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ANCHOR QEA

Memorandum

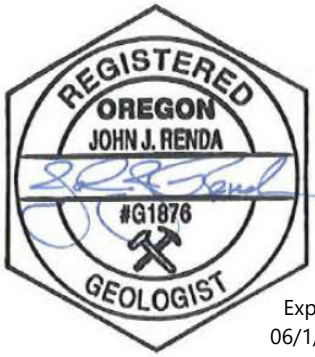
April 25, 2025

To: Wesley Thomas, Oregon Department of Environmental Quality

From: John Renda, Anchor QEA

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

ECSI No. 84



Expires: 06/1/2025

Re: LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024

This memorandum documents the first and second quarter 2024 monitoring activities associated with the NW Natural Gasco site Liquefied Natural Gas (LNG) Basin retrofit and post-lease termination drainage changes at the Former Koppers Basin, both of which occurred in 2018. 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 evaluates 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.

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 2019).

A groundwater monitoring program associated with these projects was developed in conjunction with the Oregon Department of Environmental Quality (DEQ) and implemented beginning in 2018 to assess the potential effects of these two projects on the Fill WBZ groundwater hydrology and contaminant flux to the Willamette River at the Gasco site (Anchor QEA 2018; DEQ 2018).

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 downgradient of the LNG Basin and Former Koppers Basin, and piezometer PZ-KB1 was installed in the Former Koppers Basin (Figure 1). 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 equipped 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.

Baseline monitoring was conducted, prior to completion of the LNG Basin modifications, in the second and third quarters of 2018 and summarized in the Baseline Data Report (Anchor QEA 2019). Following site modifications in 2018, monitoring results have been conducted quarterly and submitted to DEQ semiannually beginning in February 2019. The most recent monitoring report was submitted to DEQ in July 2024 (Anchor QEA 2024). DEQ provided comments on the 2023 first and second quarter monitoring report on March 14, 2024 (DEQ 2024a) and the third and fourth quarter monitoring report on October 1, 2024 (DEQ 2024b). A response to both sets of comments is included in Attachment A.

In the third quarter 2019, 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 some of the Fill WBZ monitoring wells downgradient of the LNG Basin. In March 2021, a groundwater interceptor trench system with performance monitoring wells began operation to control groundwater migrating in the Fill WBZ in the vicinity of the LNG Basin (Anchor QEA 2020a, 2020b).

[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.

The locations of the 50-foot trench (T-50) and 100-foot trench (T-100) and the trench performance monitoring wells, MW-50F, MW-51F, MW-52F, and MW-53F, are shown in Figure 1.

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.

2 Trench Design and Operational Changes

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 *Fill Water-Bearing Zone Trench Design* (Anchor QEA 2020b).

The screened section of the groundwater collection pipe near the bottom of each gravel-filled trench is approximately 2 feet or more below the Fill WBZ/Upper Silt Unit contact to allow the groundwater level in the Fill WBZ to be drawn down to the top of the underlying Upper Silt Unit, creating an inward hydraulic gradient in the Fill WBZ without fully dewatering the trench. Each collection pipe slopes to a sump to facilitate the collection and removal of dense nonaqueous phase liquid (DNAPL) if any enters the drains. Construction details for each trench are shown in Figure 2.

Continuous pumping from the trench system began on March 11, 2021. The trenches were operated to pump until the water level was near the top of the Upper Silt Unit, an elevation of 6.7 feet City of Portland datum (COP) in T-50 and 9.5 feet COP in T-100. Pumping stopped when the target elevation was achieved. 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 August 2021, and set points were established to maintain groundwater elevations in the trenches at 5.0 feet COP in T-50 and 10.0 feet COP in T-100 to reduce pump cycling. In December 2021, water levels in the T-50 trench started to rise, requiring the pump to operate at maximum capacity (approximately 16 gallons per minute). The pump could not maintain the target elevation and was replaced with a higher capacity pump to maintain the programmed groundwater elevation of 5.0 feet COP at or near the base of the Fill WBZ. Plots showing pumping rates and groundwater elevations in the two trenches are provided in Attachment B.

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. DNAPL entry was suspected based on chemistry results from the T-50 influent to the expansion pretreatment plant and observations of “oily” influent water and sediment in the oil/water separator. DNAPL was first observed in the T-50 trench sump in August 2022.

3 First and Second Quarter Trench Performance

Approximately 5.9 million gallons of water were pumped from the trench system during the first and second quarter 2024. A modeling evaluation was presented in *Fill Water-Bearing Zone Trench Design* (Anchor QEA 2020b). The simulated combined flow rates to the two trenches under the annual average, wet season average, and dry season average conditions were 20, 35, and 5.7 gallons per minute (gpm), respectively. Combined average pumping rates during first and second quarter 2024 ranged from approximately 18 to 30 gpm, which is within the range of the modeled rates. The monthly minimum, average, and maximum pumping rates are presented in Table 1, and time-series plots of pumping rates are presented in Attachment B.

3.1 T-50 DNAPL Observations and Recovery

DNAPL entry into Fill WBZ Trench T-50 was first observed in August 2022, so a DNAPL pump was installed in the sump, and DNAPL recovery from this location began in September 2022. DNAPL is routinely pumped from the T-50 sump to 55-gallon drums. DNAPL recovery volumes are estimated by gauging the drums. Table 2 shows the monthly and cumulative volumes of DNAPL removed from the T-50 sump. As of June 30, 2024, approximately 587 gallons of DNAPL have been recovered from the T-50 sump. Monthly DNAPL recovery ranged from approximately 3 to 46 gallons from January through June 2024.

Recovered DNAPL is pumped to 55-gallon drums housed in a storage unit with secondary containment and characterized for disposal. The recovered oil is periodically transported to Tradebe Environmental Services, LLC, a Resource Conservation and Recovery Act (RCRA) hazardous waste-permitted facility, for fuel blending and energy recovery. DNAPL recovery is ongoing, and waste pickups are performed as needed to limit quantities stored on site.

4 First and Second Quarter Groundwater Monitoring Evaluation

First and second quarter 2024 data were collected consistent with the methods and requirements of the DEQ-approved LNG Basin and Former Koppers Basin groundwater monitoring program (Anchor QEA 2018).

First and second quarter 2024 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 March and June 2024. A sample was not collected from

[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.

MW-50F in the first or second quarter due to the presence of DNAPL, measured at 4.01 feet in March 2024 and 3.76 feet in June 2024. A sample was not collected from MW-39F in the first quarter due to insufficient groundwater for sampling; this is similar to conditions in previous sampling events. However, sufficient groundwater was present, and a sample was collected at MW-39F in June 2024.

Field sampling data sheets are provided in Attachment C. 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 3.

Hydrographs displaying the transducer data for each of the monitoring wells included in this program and river stage are provided in Attachment D, including the transducers within the Fill WBZ trenches.

5 Groundwater Evaluation

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 operating for an extended period of time, 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]

5.1 Groundwater Hydrology

To assess the potential effects of the trench system on groundwater hydrology, hydrographs (Figure 3) and potentiometric surface maps (Attachment E) were created using average monthly groundwater levels to evaluate potential changes in the direction and magnitude of the hydraulic gradient in the Fill WBZ. At DEQ's request, estimated capture zones for the Fill WBZ trenches are shown on the potentiometric surface maps.

[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.

5.1.1 Former Koppers 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.

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. In an email dated February 22, 2023 (DEQ 2023), DEQ approved the discontinuation of weekly manual water measurements at PZ-KB1 and SW-KB1 and requested periodic visual monitoring of the Koppers Basin to verify that the dewatered condition is maintained, which is reported in the monthly progress reports.

5.1.2 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 D. Monthly average water levels were calculated and used to create potentiometric surface contour maps for January through June 2024, which are provided in Attachment E.[5] The monthly average groundwater and river elevations were also plotted with the total precipitation that occurred each month from January 2018 through June 2024 (Figure 3). Precipitation data from the site weather station are provided in Attachment F.

[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 WBZs. 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 WBZs 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 D). Fill WBZ groundwater elevations fluctuate as a result of precipitation and water levels in the river (only at select shoreline wells, and only during portions of the year).

Seasonal and spatial trends in Fill WBZ groundwater elevations are illustrated in Figure 3.[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 first and second quarter 2024, groundwater levels increased in January through March and decreased in April through June, 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 B). Water levels in the trench system were lowered and maintained near the contact between the Fill WBZ and the Upper Silt Unit.

Potentiometric surface maps (Attachment E) show that groundwater flowing from beneath the LNG Basin flows toward and is captured by the T-50 and T-100 trenches, thereby meeting the remedial action objectives (RAOs) for the trench system.

5.2 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 at 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 at 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 at 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.

5.2.1 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.

[6] As discussed in previous quarterly memoranda (e.g., Anchor QEA 2024), groundwater elevations consistently decrease moving west to east from NW St. Helens Road to the river. 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).

Water quality monitoring results for wells MW-46F through MW-53F prior to and during the first and second quarter 2024 are presented in Table 3. Figure 4 summarizes total BTEX concentrations during the monitoring period. Figure 5 summarizes total VOCs, and Figure 6 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 3 and Figures 4 through 6). 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 3 and Figures 4 through 6). Concentrations decreased following the installation of the trench system and, in the first and second quarter 2024, 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 at MW-50F showed increasing trends after pumping began. MW-50F was not sampled in first or second quarter 2024 due to the presence of approximately 4.0 feet of DNAPL in the well. The T-100 and T-50 trench sumps are routinely monitored for DNAPL (weekly at T-50 and monthly at T-100). 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 initially increased primarily due to benzene increasing from non-detect to more than 1,000 parts per billion (ppb), reaching its maximum concentration in first quarter 2022 and maintaining stable to declining concentrations in second quarter 2022 through second quarter 2024.

5.2.2 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. First and second quarter 2024 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 3. Total BTEX, total VOC, and total PAH results in the nine nearshore wells since 2014 are plotted in Figures 4, 5, and 6, respectively. During a meeting on February 15, 2024, DEQ requested that Upper Alluvium WBZ monitoring well MW-21U be added to the semiannual monitoring schedule to

evaluate the potential migration of contamination from the Fill WBZ to the Upper Alluvium WBZ along the shoreline where DEQ believes the Upper Silt Unit may be absent or discontinuous (DEQ 2024a). Groundwater sampling results for MW-21U were added to Table 3 and Figures 4 through 6. Benzene concentrations at Upper Alluvium WBZ well MW-21U were less than 1 ppb in 2019 and increased to 5,750 ppb in 2020. The benzene concentration at monitoring well MW-21U was 37.8 ppb during the March 2024 semiannual monitoring event. PAH concentrations in groundwater at Upper Alluvium WBZ monitoring well MW-21U remained stable through this time period and were similar to those at nearby Fill WBZ monitoring wells MW-21-12, MW-23-27, and OW-08-15.

As discussed in previous memoranda, prior to the LNG Basin modifications, total BTEX and total VOC concentrations in Fill WBZ 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 4 and 5), and total PAH concentrations at the nearshore wells were also generally lower than total PAH concentrations at LNG Basin wells (Figure 6).

Concentrations at a subset of nearshore Fill WBZ 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 Fill WBZ monitoring wells, with the exception of OW-5F, which remained consistent with pre-modification concentrations.

The past four sampling events at nearshore Fill WBZ wells MW-02-32, MW-04-35, OW-5F, OW-07-17, OW-08-15, OW-9-25, MW-21-12, and MW-23-27 indicate stable to declining concentrations, and several of these wells (MW-02-32, OW-08-15, and OW-9-25) were non-detect for BTEX and VOCs in first and second quarter 2024.

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. In general, BTEX, VOC, and PAH concentrations at shoreline wells have returned to pre-modification concentrations or lower. NW Natural will continue to monitor groundwater concentrations in the nearshore monitoring wells and evaluate groundwater quality trends.

5.3 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 4 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 4).

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 4. In first and second quarter 2024, the trench system removed approximately 289 pounds of benzene, 0.8 pound of B(a)P, 69 pounds of naphthalene, 4.7 pounds of total cyanide, 319 pounds of total VOCs, 170 pounds of total SVOCs, 0.2 pound of copper, and 1,654 pounds of iron (Table 4).

5.4 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 (Attachment E) 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.

6 References

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Tables

Table 1
Trench Flow Rates

Date	Flow Rates (gpm)								
	T-50			T-100			Combined		
	Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum	Average
April 2021	14.25	15.44	14.67	0.00	15.20	14.10	15.31	29.97	28.77
May 2021	0.00	15.80	14.19	0.00	15.54	9.73	0.00	29.46	23.92
June 2021	0.00	14.58	13.64	0.00	15.00	7.38	0.00	28.32	21.02
July 2021	0.00	16.16	12.70	0.00	15.52	5.02	0.00	29.25	17.72
August 2021	0.00	16.78	10.46	0.00	15.74	3.66	0.00	29.53	14.12
September 2021	4.82	13.91	8.95	0.00	17.62	3.83	4.82	26.38	12.78
October 2021	1.15	13.27	8.43	0.00	14.73	3.98	1.15	25.17	12.42
November 2021	8.72	12.27	10.59	3.58	17.04	7.20	12.32	27.17	17.79
December 2021	0.10	15.48	13.73	1.44	15.92	9.06	14.38	29.57	22.79
January 2022	10.26	16.96	16.07	1.09	14.67	12.21	18.05	30.47	28.29
February 2022	0.00	17.05	16.35	0.00	17.37	9.55	14.20	33.00	25.90
March 2022	0.00	47.98	18.88	7.66	16.41	10.69	9.13	58.88	29.57
April 2022	0.00	43.33	21.56	0.00	15.90	9.25	0.00	56.17	30.81
May 2022	21.72	24.49	23.25	8.52	14.95	10.03	30.69	38.51	33.28
June 2022	19.55	23.14	22.58	8.28	15.50	10.90	30.04	37.65	33.48
July 2022	0.00	44.39	19.05	0.00	14.62	6.89	0.00	56.33	25.94
August 2022	0.00	46.21	14.68	0.00	15.46	4.58	0.00	46.59	19.26
September 2022	0.00	22.54	5.10	0.00	16.98	3.86	0.00	25.64	8.96
October 2022	0.00	0.00	0.00	0.00	15.59	5.38	0.00	15.59	5.38
November 2022	0.00	46.46	6.57	1.93	18.49	7.98	1.93	55.56	14.55
December 2022	0.00	46.10	14.22	0.00	17.95	6.93	0.00	58.94	21.15
January 2023	13.47	19.71	17.05	0.00	15.99	7.07	16.17	32.44	24.12
February 2023	0.00	44.41	16.42	1.10	14.08	6.08	5.57	46.88	22.49
March 2023	13.46	28.19	16.94	1.40	16.00	6.83	17.72	41.43	23.77
April 2023	0.00	42.54	18.72	0.00	13.83	7.44	0.00	52.28	26.16
May 2023	7.66	36.24	19.05	4.63	12.18	7.36	16.55	44.81	26.42
June 2023	0.00	43.92	15.74	0.00	8.12	5.16	3.11	50.47	20.90
July 2023	0.00	40.31	12.63	0.00	10.70	3.69	0.00	51.00	16.32
August 2023	0.00	44.67	10.73	0.00	14.02	1.73	0.00	44.67	12.46
September 2023	0.00	38.14	9.33	0.00	11.75	1.33	0.14	38.46	10.67
October 2023	8.11	32.69	8.53	0.85	18.68	2.30	9.32	43.94	10.83
November 2023	8.20	9.98	9.17	1.60	17.20	3.25	9.86	25.61	12.43
December 2023	8.63	42.47	12.72	0.00	14.69	6.58	12.00	53.65	19.31
January 2024	13.58	22.98	16.67	4.24	12.77	8.62	17.98	32.92	25.29
February 2024	2.83	42.47	21.59	1.14	10.01	8.34	3.96	50.22	29.93
March 2024	0.00	45.18	21.36	0.00	47.27	7.23	0.00	70.56	28.59
April 2024	13.34	22.97	18.14	3.65	14.78	5.54	18.75	31.78	23.68
May 2024	14.54	20.17	15.83	3.95	13.02	5.28	19.07	29.39	21.11
June 2024	9.41	16.62	13.80	0.00	35.89	4.11	12.90	49.18	17.91

Note:
gpm: gallon per minute

Table 2
T-50 Trench DNAPL Removal Volumes

Month	Monthly Volume DNAPL Recovered (gallons)	Cumulative Volume DNAPL Recovered (gallons)
September 2022	19	19
October 2022	10	29
November 2022	14	43
December 2022	24	67
January 2023	28	95
February 2023	17	112
March 2023	37	149
April 2023	29	178
May 2023	38	216
June 2023	45	261
July 2023	41	302
August 2023	39	341
September 2023	13	354
October 2023	0[1]	354
November 2023	28	382
December 2023	70	452
January 2024	46	498
February 2024	36	534
March 2024	19	553
April 2024	14	567
May 2024	17	584
June 2024	3	587

Notes:

1. No measurable DNAPL was recovered due to malfunction of the DNAPL pump. During this time frame, DNAPL entering T-50 accumulated within the sump, with any DNAPL above the top of the sump captured by the total fluids pump and sent to the NW Natural pre-treatment system for management with the pumped groundwater.

DNAPL: dense nonaqueous phase liquid

Table 3
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	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	GS-121719-01	GS-031720-65
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	12/17/2019	3/17/2020
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	21.5–31.5 ft	21.5–31.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623338.778	7623338.778
Y	705787.943	705787.943	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**	**0.0428**	**0.054**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00674**	**0.00479**	**0.00469**	**0.00314**	**0.0111**	**0.00266**	**0.0239**	**0.00287**	**0.00137 J**	0.002 U	**0.00232**
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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	**97.5**	50 U	**59.7**	50 U	**28.6 J**	50 U	**25.5 J**	50 U	50 U	50 U
Antimony	1 UJ	**0.889 J**	1 U	1 U	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**	**5.21**	**1.05**
Barium	**8.67**	**17.1**	**7.9**	**14.7**	**8.56**	**14.3**	**7.76**	**10.9**	**8.13**	**6.1**	**9.5**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	**1.61**	1 U	**0.667 J**	1 U	1 U	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**	1 U	**1.11 J**
Iron	**507**	**2290**	**4470**	**5530**	**1290**	**4670**	**17100**	**7090**	**19400**	**30300**	**367**
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	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**173**	**1590**	**2580**	**2150**	**129**	**572**	**2230**	**1100**	**2310**	**3040**	**155**
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	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**	**1.43**	**9.08**
Potassium	--	--	--	--	--	--	--	**1330**	--	--	**2090**
Selenium	1 U	2 U	1 U	1 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	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	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**	1 U	**3.23**
Zinc	4 U	**10.6**	**2.59 J**	**12.3**	**6.36**	**4.93**	**4.69**	**9.13**	**5.04**	**5.18**	**3.54 J**
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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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	**2.54**	**2.19**
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
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	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	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	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	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	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	**0.639 J**	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	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 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 U	1 U

Table 3
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	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	GS-121719-01	GS-031720-65
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	12/17/2019	3/17/2020
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	21.5–31.5 ft	21.5–31.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	**11.9 J**	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	--	--	--	--	--	--	2 U	2 U	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**	**3.38**	**5.42**
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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	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	5 U	5 U
Carbon disulfide	--	--	--	--	--	--	10 U	10 U	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	1 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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	5 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	**12.6**	**0.785**	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	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	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**3.06**	**5.77**	**0.744 J**
m,p-Xylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.947 J**	**6.32**	**1.06**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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**	**0.585**	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	**3.08**	**6.36**	**0.758**
sec-Butylbenzene	1 U	1 U	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	1 U	1 U
tert-Butylbenzene	1 U	1 U	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	0.4 U	0.4 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.985 J**	1 U
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	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	2 U	2 U
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	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**	**17.83 J**	**7.238**
Total VOC (U = 0)	20 U	20 U	20 UJ	**11.9 J**	20 U	20 U	20 U	20 UJ	**23.106 J**	**27.364 J**	**10.172 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
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**	**31.3**	**39.4**
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	**0.968 J**	**3.87**

Table 3
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	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	GS-121719-01	GS-031720-65
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	12/17/2019	3/17/2020
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	21.5–31.5 ft	21.5–31.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
Acenaphthene	**7.54**	**0.228**	**0.506**	**0.591**	**8.16**	**9.96 J**	**20.6**	**0.155**	**30**	**36**	**25.2**
Acenaphthylene	**0.256**	**1.14**	**0.337**	**0.274**	**0.745**	**1.02 J**	**0.741**	**0.334**	**1.21**	**2.34**	**2.13**
Anthracene	**0.156**	**0.36**	**0.179**	**0.167**	**0.28**	**0.26 J**	**0.46**	**0.196**	**0.359 J**	**0.566 J**	1.43 U
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	0.341 U	0.717 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	0.341 U	0.717 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	--	**0.258**	0.0168 U	**0.0147 J**	0.0183 U	**0.0567 J**	0.0158 U	0.0173 U	0.194 U	0.341 U	0.717 U
Benzo(b,j,k)fluoranthenes	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	0.683 U	1.43 U
Benzo(k)fluoranthene	--	**0.0983**	0.0168 U	**0.00794 J**	0.0183 U	0.0732 U	0.0158 U	0.0173 U	0.194 U	0.341 U	0.717 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	0.683 U	**7.18**
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	0.341 U	0.717 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	0.341 U	0.717 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	0.683 U	1.43 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	0.683 U	1.43 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**	0.683 U	**1.56**
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	0.341 U	0.717 U
Naphthalene	**0.0764**	**3.59**	**0.112**	**0.125**	0.138 UJ	**0.716 J**	**0.283**	**0.418**	**1.22**	**96.9**	**169**
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	1.37 U	2.87 U
Pyrene	**0.112**	**0.321**	**1.45**	**0.0401**	**0.282**	**0.207 J**	**1.45**	**0.0517**	**1.52**	**2.07**	1.43 U
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**	**138.844 J**	**201.76**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C10-C12 Aliphatics unadjusted	--	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	**0.004 J**	0.04 U	**0.006 J**	**0.095**	**0.034 J**
C12-C16 Aliphatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.021 J**	**0.006 J**
C16-C21 Aliphatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.008 J**	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	--	0.04 U	0.04 U	0.04 U	**0.25**	0.04 U	**0.24**	**0.201**	**0.025 J**	**0.216**	**0.086**
C10-C12 Aromatics unadjusted	--	**0.25**	0.04 U	0.04 U	0.04 U	0.04 UJ	**0.002 J**	0.04 U	0.04 U	**0.045 J**	**0.075**
C8-C10 Aromatics unadjusted	--	**1.7**	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C12-C16 Aromatics unadjusted	--	**0.29**	0.04 U	0.04 U	0.04 U	0.04 U	**0.027 J**	0.04 U	**0.04**	**0.057**	**0.054**
C16-C21 Aromatics unadjusted	--	**0.04**	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aromatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	0.005 U	0.005 U	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	0.005 U	0.005 U	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	0.005 U	0.005 U	--	--	--
n-Octane (C8)	--	--	--	--	--	--	0.005 U	0.005 U	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	0.005 U	0.005 U	--	--	--
C5-C6 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ
C8-C10 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ
C10-C12 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.051**	0.05 U	0.05 U
C10-C12 Aromatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.179**	**0.197**
C8-C10 Aromatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.064**	0.05 U
C12-C13 Aromatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.116**	**0.118**
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**	**0.613**	**0.788**
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**	**0.886**	**0.782**
Oil-range organics	--	0.381 U	0.392 U	0.396 U	**0.439**	0.43 U	**0.335 J**	**1.08**	**0.459**	**0.475**	**0.433**

Table 3
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	MW-02-32	MW-02-32
sys_sample_code	GS-061020-10	GS-061020-11	GS-102720-88	GS-121020-13	GS-031921-65	GS-061021-14	GS-100421-109	GS-121421-08	GS-031022-14	GS-061422-01	GS-061422-02
Sample Date	6/10/2020	6/10/2020	10/27/2020	12/10/2020	3/19/2021	6/10/2021	10/4/2021	12/14/2021	3/10/2022	6/14/2022	6/14/2022
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	21.5–31.5 ft	21.5–31.5 ft
Sample Type	N	FD	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	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	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
Conventional Parameters (mg/L)											
Cyanide	**0.0774**	**0.0788**	**0.0684**	**0.0727**	**0.1**	**0.18**	**0.144**	**0.204**	**0.21**	**0.492**	**0.49**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00141 J**	**0.00143 J**	**0.00305**	**0.00111 J**	**0.00301**	**0.00553**	**0.0032**	**0.00177 J**	**0.00523**	**0.0188**	**0.0212**
Cyanide, free	0.005 U	0.005 U	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
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	**27 J**	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	1 U	1 U
Arsenic	**1.32**	**1.3**	**0.723 J**	**0.832 J**	**1.03**	**1.01**	**1.8**	1 U	**0.552 J**	**0.521 J**	**0.509 J**
Barium	**10.9**	**11**	**22.1**	**23.7**	**10.2**	**11.7**	**18.2**	**10.7**	**6.53**	**20**	**21**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	**1.47 J**	2 U	2 U	2 U	**1.62 J**	**1.23 J**	2 U	2 U	2 U
Iron	**1440**	**1400**	**1990**	**9190**	**976**	**2290**	**5390**	**631**	**623**	**304**	**319**
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	**0.269**	0.2 U	**0.372**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3510**	**3540**	**2030**	**5780**	**1130**	**1690**	**2030**	**256**	**113**	**1500**	**1520**
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	0.08 U	0.08 U
Nickel	**24**	**23.9**	**10.1**	**9.82**	**6.82**	**12.8**	**12**	**6.62**	**3**	**42.8**	**41.7**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.82 J**	**1.82 J**	**2.17**	**1.11 J**	**3.55**	**1.41 J**	**1.34 J**	**1.47 J**	**1.52 J**	**3.01**	**3.16**
Zinc	**3.71 J**	**6.49**	**6.88**	**4.25**	**5.34**	**4.15**	**4.55**	**3.46 J**	4 U	**4.66**	**5.26**
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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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 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	5 U	5 U
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	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	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	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	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	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 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	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 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 U	1 U

Table 3
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	MW-02-32	MW-02-32
sys_sample_code	GS-061020-10	GS-061020-11	GS-102720-88	GS-121020-13	GS-031921-65	GS-061021-14	GS-100421-109	GS-121421-08	GS-031022-14	GS-061422-01	GS-061422-02
Sample Date	6/10/2020	6/10/2020	10/27/2020	12/10/2020	3/19/2021	6/10/2021	10/4/2021	12/14/2021	3/10/2022	6/14/2022	6/14/2022
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	21.5–31.5 ft	21.5–31.5 ft
Sample Type	N	FD	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	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	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	2.6 U	2.62 U	0.2 U	**0.739**	**1.09**	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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	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 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	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	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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	10 U	10 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	**0.628**	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	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	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	**1.32**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	1 U	1 U	1 U	**0.579 J**	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	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	**1.15**	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	1 U	1 U
Styrene	1 U	1 U	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	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	0.4 U	0.4 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	2 U	2 U
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	0.4 U	0.4 U
Total BTEX (U = 0)	2.6 U	2.62 U	1 U	**3.096 J**	**1.09**	1 U	1 U	1 U	1 U	1 U	1 U
Total VOC (U = 0)	20 U	20 U	20 U	**4.416 J**	**1.09 J**	20 U	20 U	20 U	20 U	20 U	20 U
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**1.09**	**1.09**	**0.23**	**5.5**	**0.378 J**	**0.133**	**0.0801**	**0.0524 J**	0.0722 U	0.0697 U	0.0699 U
2-Methylnaphthalene	**0.119**	**0.13**	0.0736 U	0.285 U	0.068 U	0.068 U	0.0741 U	0.0711 U	0.0722 U	0.0697 U	0.0699 U

Table 3
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	MW-02-32	MW-02-32
sys_sample_code	GS-061020-10	GS-061020-11	GS-102720-88	GS-121020-13	GS-031921-65	GS-061021-14	GS-100421-109	GS-121421-08	GS-031022-14	GS-061422-01	GS-061422-02
Sample Date	6/10/2020	6/10/2020	10/27/2020	12/10/2020	3/19/2021	6/10/2021	10/4/2021	12/14/2021	3/10/2022	6/14/2022	6/14/2022
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	21.5–31.5 ft	21.5–31.5 ft
Sample Type	N	FD	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	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	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
Acenaphthene	**2.48**	**2.54**	**1.54**	**14.2**	**6.46**	**1.61**	**0.188**	**0.183**	**0.561**	**0.0362**	**0.0415**
Acenaphthylene	**0.426**	**0.446**	**0.318**	**1.13**	**0.46**	**0.281**	**0.23**	**0.144**	**0.25**	**0.161**	**0.182**
Anthracene	**0.417**	**0.427**	**0.178**	**0.474**	**0.188**	**0.151**	**0.137**	**0.104**	**0.169**	**0.11**	**0.122**
Benzo(a)anthracene	**0.00922 J**	0.0214 U	0.0184 U	0.0713 U	**0.00978 J**	0.017 U	0.0185 U	0.0178 U	0.0181 U	0.0174 U	0.0175 U
Benzo(a)pyrene	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U	**0.00933 J**	0.0181 U	0.0174 U	0.0175 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	**0.0139 J**	0.0178 U	0.0181 U	0.0174 U	0.0175 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0351 U	0.0342 U	0.0368 U	0.143 U	0.034 U	0.034 U	**0.0222 J**	0.0355 U	0.0361 U	0.0348 U	0.035 U
Benzo(k)fluoranthene	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U	**0.00888 J**	0.0181 U	0.0174 U	0.0175 U
Carbazole	**0.696**	**0.71**	**0.0566**	**0.989**	**2.61**	**0.0315 J**	0.037 U	0.0355 U	0.0361 U	0.0348 U	0.035 U
Chrysene	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U	0.0178 U	0.0181 U	0.0174 U	0.0175 U
Dibenzo(a,h)anthracene	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U	0.0178 U	0.0181 U	0.0174 U	0.0175 U
Dibenzofuran	0.11 U	0.107 U	0.0368 U	0.143 U	**0.148**	0.034 U	0.037 U	0.0355 U	0.0361 U	0.0348 U	0.035 U
Fluoranthene	**0.0176 J**	**0.0205 J**	0.0368 U	0.143 U	**0.0204 J**	0.034 U	**0.0204 J**	0.0355 U	0.0361 U	0.0348 U	0.035 U
Fluorene	0.329 U	0.321 U	0.148 U	**0.934**	0.213 U	0.106 U	0.104 U	0.0355 U	0.0598 U	0.0359 U	0.0415 U
Indeno(1,2,3-c,d)pyrene	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	**0.0134 J**	0.0178 U	0.0181 U	0.0174 U	0.0175 U
Naphthalene	**4.08**	**4.24**	**1.25**	**3.37**	**0.979**	**0.597**	**0.294**	0.175 U	**0.0429 J**	0.0697 U	0.0699 U
Phenanthrene	**0.166**	**0.158**	0.0736 U	0.285 U	**0.054 J**	0.068 U	0.0741 U	0.0711 U	0.0722 U	0.0697 U	0.0699 U
Pyrene	**0.268**	**0.273**	**0.174**	**0.428**	**0.307**	**0.107**	**0.118**	0.0355 U	0.0361 U	**0.129**	**0.13**
Total PAH (17) (U = 0)	**7.98282 J**	**8.2345 J**	**3.46**	**20.536**	**8.47818 J**	**2.746**	**1.0369 J**	**0.44921 J**	**1.0229 J**	**0.4362**	**0.4755**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 U	0.04 U	0.04 UJ	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ
C10-C12 Aliphatics unadjusted	0.04 U	0.04 U	0.04 UJ	0.04 UJ	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ
C12-C16 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C16-C21 Aliphatics unadjusted	0.04 UJ	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	**0.114**	**0.059**	**0.108**	**0.049**	**0.164**	**0.097**	**0.263**	**0.176**	**0.064**	**0.042**	**0.078**
C10-C12 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ
C8-C10 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C12-C16 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U
C16-C21 Aromatics unadjusted	0.04 U	**0.041**	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	0.005 U	0.005 U	0.005 U
n-Dodecane (C12)	--	--	--	--	--	--	--	--	0.005 U	0.005 U	0.005 U
n-Hexane (C6)	--	--	--	--	--	--	--	--	0.005 U	0.005 U	0.005 U
n-Octane (C8)	--	--	--	--	--	--	--	--	0.005 U	0.005 UJ	0.005 UJ
n-Pentane (C5)	--	--	--	--	--	--	--	--	0.005 U	0.005 U	0.005 U
C5-C6 Aliphatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 UJ
C8-C10 Aliphatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U
C10-C12 Aliphatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C10-C12 Aromatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C8-C10 Aromatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C12-C13 Aromatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**0.486**	**0.42**	**0.321**	**0.572**	**0.262**	**0.26**	**0.224 J**	**0.155 J**	**0.204**	**0.246 J**	**0.29 J**
Gasoline-range hydrocarbons	**0.0834 J**	**0.0774 J**	0.1 U	**0.0699 J**	**0.0521 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil-range organics	0.377 U	**0.29 J**	**0.451**	**0.275 J**	**0.508**	0.377 U	**0.314 J**	**0.189 J**	0.381 U	0.374 U	0.374 U

Table 3
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-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-091922-40	GS-121522-08	GS-032323-56	GS-061623-18	GS-092723-35	GS-121323-11	GS-032524-41	GS-061124-08	GS-031214-22	GS-102114-75	GS-031615-55
Sample Date	9/19/2022	12/15/2022	3/23/2023	6/16/2023	9/27/2023	12/13/2023	3/25/2024	6/11/2024	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	21.5–31.5 ft	21.5–31.5 ft	15–25 ft	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599	7623842.599
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705486.817	705486.817	705486.817
Conventional Parameters (mg/L)											
Cyanide	**0.189**	**0.273**	**0.266**	**0.202**	**0.306**	**0.431**	**0.208**	**0.34**	**0.743**	**0.25**	**0.451**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00115 J**	0.002 U	**0.00155 J**	**0.00332**	0.002 U	**0.00476**	0.002 U	**0.00711**	**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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	**177**	50 U	**268**	**56**	**377**
Antimony	1 U	1 U	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	**0.556 J**	**0.519 J**	**2.5**	1 U	**0.578 J**	**0.578 J**	1 U
Barium	**5.31**	**5.88**	**8.29**	**6.2**	**5.71**	**8.6**	**58.3**	**10.3**	**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	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	0.2 U	0.2 U	**0.0444 J**	**0.0556 J**
Calcium	--	--	--	--	**28500**	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**6.34**	**1.2**	**3.83**
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	**1.23 J**	2 U	2 U	**1.9 J**	**2.37**	**0.756 J**	**16**
Iron	**198**	**285**	**505**	**219**	**269**	**533**	**25600**	**301**	**1640**	**3890**	**2500**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.224**	0.2 U	**0.622**	**0.111 J**	**1.93**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**609**	**352**	**134**	**55.7**	**1150**	**153**	**996**	**454**	**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	0.08 U	0.08 U
Nickel	**7.62**	**4.83**	**3.46**	**2.42**	**6.03**	**5.46**	2 U	**21.5**	**149**	**119**	**155**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.15 J**	2 U	**1.35 J**	2 U	2 U	**1.1 J**	**1.23 J**	2 U	**478**	**96.4**	**383**
Zinc	**6.26**	**5.63**	**5.04**	**5.68**	**5.25**	**4.79**	**5.74**	**8.96**	**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	0.4 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	0.4 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	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	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	0.5 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	0.4 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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	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 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	5 U	5 U
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	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	0.5 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	0.4 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	0.4 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	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 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	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 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 U	1 U

Table 3
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-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-091922-40	GS-121522-08	GS-032323-56	GS-061623-18	GS-092723-35	GS-121323-11	GS-032524-41	GS-061124-08	GS-031214-22	GS-102114-75	GS-031615-55
Sample Date	9/19/2022	12/15/2022	3/23/2023	6/16/2023	9/27/2023	12/13/2023	3/25/2024	6/11/2024	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	21.5–31.5 ft	21.5–31.5 ft	15–25 ft	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599	7623842.599
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705486.817	705486.817	705486.817
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**10.8 J**	20 U	20 U
Acrylonitrile	2 U	2 U	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	0.2 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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	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	5 UJ	5 UJ
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	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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	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	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	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	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	1 U	1 U	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	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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	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	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	1 U	1 U
Styrene	1 U	1 U	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	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	0.5 U	0.5 U	0.5 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	0.5 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	2 U	2 U
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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	1 U	1 U	**0.32**	1 U	**0.26**
Total VOC (U = 0)	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U	20 UJ	**11.12 J**	20 UJ	**0.26 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	0.0716 U	0.0748 U	0.261 U	0.674 U	0.0647 U	0.065 U	0.0795 U	0.07 U	0.0381 U	0.282 U	**0.0972**
2-Methylnaphthalene	0.0716 U	0.0748 U	0.261 U	0.674 U	0.0647 U	0.065 U	0.0795 U	0.07 U	0.0381 U	0.282 U	**0.032 J**

Table 3
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-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-091922-40	GS-121522-08	GS-032323-56	GS-061623-18	GS-092723-35	GS-121323-11	GS-032524-41	GS-061124-08	GS-031214-22	GS-102114-75	GS-031615-55
Sample Date	9/19/2022	12/15/2022	3/23/2023	6/16/2023	9/27/2023	12/13/2023	3/25/2024	6/11/2024	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	21.5–31.5 ft	21.5–31.5 ft	15–25 ft	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599	7623842.599
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705486.817	705486.817	705486.817
Acenaphthene	**0.116**	**0.0276 J**	0.13 U	**0.796**	0.0324 U	0.0325 U	0.0398 U	0.035 U	**0.0141 J**	0.141 U	**0.327**
Acenaphthylene	**0.291**	**0.276**	**0.119 J**	**1.53**	**0.249**	**0.134**	**0.0562**	**0.0853 J**	**0.557**	**0.773**	**1.05**
Anthracene	**0.178**	**0.157**	0.13 U	**1.05**	**0.185**	**0.098**	**0.094**	**0.0647 J**	**0.841**	**1.17**	**0.965**
Benzo(a)anthracene	0.0179 U	0.0187 U	0.0652 U	0.169 U	0.0162 U	0.0163 U	0.0199 U	0.0175 U	**0.222**	**0.0829**	**0.278**
Benzo(a)pyrene	0.0179 U	0.0187 U	0.0652 U	0.169 U	0.0162 U	0.0163 U	0.0199 U	**0.0109 J**	**0.465**	**0.0935**	**0.632**
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.0179 U	0.0187 U	0.0652 U	0.169 U	0.0162 U	0.0163 U	0.0199 U	**0.0101 J**	**0.465**	**0.0459 J**	**0.509**
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0358 U	0.0374 U	0.13 U	0.337 U	0.0324 U	0.0325 U	0.0398 U	0.035 U	**0.6**	0.141 U	**0.958**
Benzo(k)fluoranthene	0.0179 U	0.0187 U	0.0652 U	0.169 U	0.0162 U	0.0163 U	0.0199 U	**0.0109 J**	**0.134**	**0.0653 J**	**0.165**
Carbazole	0.0358 U	0.0374 U	0.13 U	0.337 U	--	--	--	--	**0.0221**	0.141 U	**0.0687**
Chrysene	0.0179 U	0.0187 U	0.0652 U	0.169 U	0.0162 U	0.0163 U	0.0199 U	0.0175 U	**0.272**	0.0706 U	**0.282**
Dibenzo(a,h)anthracene	0.0179 U	0.0187 U	0.0652 U	0.169 U	0.0162 U	0.0163 U	0.0199 U	**0.00919 J**	**0.0599**	0.0706 U	**0.0867**
Dibenzofuran	0.0358 U	0.0374 U	0.13 U	0.337 U	0.0324 U	0.0325 U	0.0398 U	0.035 U	0.019 U	0.141 U	**0.0156 J**
Fluoranthene	0.0358 U	0.0374 U	0.13 U	0.337 U	0.0324 U	0.0325 U	0.0398 U	0.035 U	**0.261**	0.141 U	**0.381**
Fluorene	0.0672 U	0.0374 U	0.13 U	0.337 U	0.0556 U	0.0325 U	0.0398 U	0.035 U	**0.0564**	0.141 U	**0.0625**
Indeno(1,2,3-c,d)pyrene	0.0179 U	0.0187 U	0.0652 U	0.169 U	0.0162 U	0.0163 U	0.0199 U	**0.00962 J**	**0.47**	**0.0759**	**0.73**
Naphthalene	0.0716 U	0.0748 U	0.261 U	0.674 U	0.0647 U	**0.0577 J**	**0.0408 J**	0.07 U	**0.0324 J**	0.282 U	**0.164**
Phenanthrene	0.0716 U	0.0748 U	0.261 U	0.674 U	0.0647 U	0.065 U	0.0795 U	0.07 U	**0.0593**	0.282 U	**0.0925**
Pyrene	0.0358 U	0.0374 U	0.13 U	0.337 U	0.0324 U	0.0325 U	0.0398 U	0.035 U	**0.404**	**0.106 J**	**0.572**
Total PAH (17) (U = 0)	**0.585**	**0.4606 J**	**0.119 J**	**3.376**	**0.434**	**0.2897 J**	**0.191 J**	**0.20071 J**	**4.9131 J**	**2.4125 J**	**7.2867 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	--	--	--	--	--	0.04 U	0.04 U
C10-C12 Aliphatics unadjusted	0.04 UJ	0.04 U	0.04 UJ	0.04 U	--	--	--	--	--	0.04 U	0.04 UJ
C12-C16 Aliphatics unadjusted	0.04 UJ	0.04 U	0.04 U	0.04 U	--	--	--	--	--	0.04 U	0.04 U
C16-C21 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--	--	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	**0.152**	**0.068 J**	0.04 UJ	**0.065**	--	--	--	--	--	**0.47 J**	0.04 U
C10-C12 Aromatics unadjusted	0.04 UJ	0.04 UJ	0.04 UJ	**R**	--	--	--	--	--	0.04 U	0.04 U
C8-C10 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--	--	0.04 U	0.04 U
C12-C16 Aromatics unadjusted	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	--	--	--	--	--	0.04 U	0.04 U
C16-C21 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--	--	0.04 U	0.04 U
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--	--	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--	--	--	--	--
n-Dodecane (C12)	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--	--	--	--	--
n-Hexane (C6)	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--	--	--	--	--
n-Octane (C8)	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--	--	--	--	--
n-Pentane (C5)	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--	--	0.05 UJ	0.05 U
C6-C8 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--	--	0.05 UJ	0.05 U
C8-C10 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--	--	0.05 UJ	0.05 U
C10-C12 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--	--	0.05 UJ	0.05 UJ
C10-C12 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--	--	0.05 UJ	0.05 UJ
C8-C10 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--	--	0.05 UJ	0.05 UJ
C12-C13 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--	--	0.05 UJ	0.05 UJ
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	0.19 U	**0.154 J**	0.192 UJ	**0.194 J**	**0.279 J**	0.198 U	**0.17 J**	0.19 U	--	**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	--	0.1 U	0.1 U
Oil-range organics	**0.452**	0.392 U	**0.368 J**	**0.229 J**	**0.299 J**	**0.524**	**0.296 J**	**0.535**	--	0.377 U	0.388 U

Table 3
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	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	GS-102920-103	GS-121020-11
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	10/29/2020	12/10/2020
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	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599
Y	705486.817	705486.817	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**	**0.49**	**0.393**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.0111**	**0.00862**	**0.00922**	**0.0112**	**0.00335**	**0.00442**	**0.00271**	**0.00618**	**0.00236**	**0.0115**	**0.00587**
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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**2760**	**90.4**	**39.1 J**	**346**	**470**	**65.7**	**38.3 J**	50 U	**26.3 J**	50 U	50 U
Antimony	**0.5 J**	1 U	2 U	1 U	1 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**	**2.33**	**1.76**
Barium	**79.1**	**27.9**	**33**	**51.2**	**47.2**	**47.7**	**38.6**	**53.9**	**60.9**	**66.1**	**46.5**
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	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	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	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	2 U	2 U
Iron	**9520**	**1610**	**664**	**9530**	**2270 J**	**5320**	**1300**	**3020**	**3130**	**13300**	**1330**
Lead	**2.74**	**0.244**	0.2 U	**0.622**	**0.445**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3320**	**570**	**334**	**2010**	**1010 J**	**979**	**622**	**1770**	**1610**	**3190**	**994**
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	0.08 U	0.08 U
Nickel	**133**	**115**	**63.8**	**99**	**133**	**60.7**	**60.1 J**	**236**	**372**	**106**	**135**
Potassium	--	--	--	--	--	--	--	**3260**	--	--	--
Selenium	1 U	1 U	**0.5 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	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	0.2 U	0.2 U
Vanadium	**489**	**193**	**201**	**190**	**164**	**68.1**	**733**	**109**	**81.8**	**88.7**	**447**
Zinc	**26.6**	**4.3**	**5.09**	**7.69**	**6.47**	**4.29**	**5.46**	**4.61**	**7.55**	**5.45**	**4.38**
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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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 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	5 U	5 U
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	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	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	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	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	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 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	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 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 U	1 U

Table 3
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	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	GS-102920-103	GS-121020-11
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	10/29/2020	12/10/2020
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	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**11.4 J**	20 U	20 U	20 U
Acrylonitrile	--	--	--	2 U	2 U	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**	**0.16 J**	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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	2 U	1 U
Bromomethane (Methyl bromide)	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	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	2 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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	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	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	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	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	1 U	1 U	1 U	1 U	**0.554 J**	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	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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	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	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	1 U	1 U
Styrene	1 U	1 U	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	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	0.4 U	0.4 U
Toluene	1 U	1 U	1 U	1 U	**0.947 J**	1 U	1 U	**0.549 J**	1 U	1 U	1 U
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	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	2 U	2 U
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	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**	**0.16 J**	1 U
Total VOC (U = 0)	20 U	20 UJ	20 U	20 U	**1.501 J**	20 UJ	20 U	**204.836 J**	**48.2**	**0.16 J**	20 U
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
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	**0.108**	0.285 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	0.0726 U	0.285 U

Table 3
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	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	GS-102920-103	GS-121020-11
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	10/29/2020	12/10/2020
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	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
Acenaphthene	1.56 U	**0.0781 J**	**0.0224 J**	**0.102**	**0.0399**	**0.0516**	**0.0474**	**7.14**	**1.71**	0.227 U	**0.0749 J**
Acenaphthylene	**1.17 J**	**0.862**	**0.548**	**1.07**	**0.646**	**1.13**	**0.83**	**3.28**	**3.7**	**2.54**	**1.15 J**
Anthracene	**1.03 J**	**1.21**	**1.28**	**1.4**	**1.16**	**1.42**	**1.11**	**2.61**	**2.54**	**2.63**	**1.51 J**
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	**0.0771**	**0.0696 J**
Benzo(a)pyrene	**1.31**	**0.158**	**0.0624**	**0.434**	**0.204**	**0.044**	**0.0694**	**0.0333 J**	0.638 U	0.0318 U	**0.041 J**
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)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	0.0306 U	0.0714 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
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	0.0363 U	**0.0821 J**
Benzo(k)fluoranthene	**0.507 J**	**0.0508 J**	**0.0525**	**0.131 J**	**0.0674 J**	**0.032 J**	**0.0396**	**0.0431 J**	0.638 U	0.0481 U	0.0714 U
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**	**0.138**	0.143 U
Chrysene	**0.975**	**0.0418 J**	**0.0363 J**	**0.178**	**0.0906 J**	**0.016**	**0.0209**	0.0643 U	0.638 U	0.0193 U	0.0714 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	0.0182 U	0.0714 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	**0.207**	0.143 U
Fluoranthene	**1.07 J**	**0.0781 J**	**0.0363**	**0.279**	**0.0968**	**0.183**	**0.0845**	**0.148**	1.28 U	**0.321**	**0.123 J**
Fluorene	1.56 U	**0.118 J**	0.0359 U	**0.0888**	**0.0392**	**0.179**	**0.05**	**0.866**	1.28 U	**0.511**	**0.144 J**
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	0.0182 U	0.0714 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**	**0.0644 J**	0.285 U
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	**0.319**	**0.271 J**
Pyrene	**2.55**	**0.172**	**0.0592**	**0.487**	**0.194**	**0.235**	**0.132**	**0.147**	1.28 U	**0.353**	**0.159 J**
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**	**6.8155 J**	**3.6246 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 UJ
C10-C12 Aliphatics unadjusted	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.008 J**	0.04 U	0.04 UJ	0.04 UJ
C12-C16 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C16-C21 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.056**	0.068 U	**0.212**	0.04 U	**0.063**	0.04 U
C10-C12 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 UJ
C8-C10 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C12-C16 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.003 J**	0.04 U	**0.015 J**	0.04 U	0.04 U	0.04 U
C16-C21 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	0.005 U	0.005 U	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	0.005 U	0.005 U	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	0.005 U	0.005 UJ	--	--	--	--	--	--
n-Octane (C8)	--	--	--	0.005 U	0.005 U	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	0.005 U	**0.003 J**	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U
C8-C10 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	**0.05 J**	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U
C10-C12 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U
C10-C12 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U
C8-C10 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U
C12-C13 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U
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**	**0.71**	**0.322**
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**	0.1 U	0.1 U
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**	**1.14**	**0.435**

Table 3
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	MW-03-26	MW-03-26
sys_sample_code	GS-030921-11	GS-061021-15	GS-100721-124	GS-121421-10	GS-031022-12	GS-061522-06	GS-100422-113	GS-121922-14	GS-041223-65	GS-061523-13	GS-091323-15
Sample Date	3/9/2021	6/10/2021	10/7/2021	12/14/2021	3/10/2022	6/15/2022	10/4/2022	12/19/2022	4/12/2023	6/15/2023	9/13/2023
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	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
Conventional Parameters (mg/L)											
Cyanide	**0.425**	**0.457**	**0.379**	**0.393**	**0.363**	**0.461**	**0.456**	**0.463**	**0.369**	**0.438**	**0.434**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00381**	**0.0057**	**0.00179 J**	**0.00646 J**	**0.00944**	**0.0141**	**0.0019 J**	**0.001 J**	**0.00234**	**0.0016 J**	0.002 U
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	0.005 U	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	**26.7 J**	50 U	**29.9 J**	50 U	**66.5**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.885 J**	**1.69**	**1.45**	1 U	1 U	**0.811 J**	**1.24**	**1.39**	1 U	**0.869 J**	**1.14**
Barium	**63**	**64.6**	**45.2**	**53.2**	**49.8**	**64.6**	**54.3**	**82.6**	**51**	**59.6**	**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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	**1.41 J**	2 U	**2.25**	2 U	2 U	**1.01 J**	2 U	2 U
Iron	**5480**	**20900**	**18500**	**1010**	**3890**	**5480**	**12200**	**15300**	**1010**	**10400**	**7630**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.166 J**	0.2 U	0.2 U	0.186 U	0.2 U	**0.161 J**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3320**	**3930**	**6220**	**900**	**1810**	**2120**	**4790**	**4860**	**1730**	**4170**	**5680**
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	0.08 U	0.08 U
Nickel	**266**	**183**	**145**	**217**	**180**	**488**	**188**	**122**	**410**	**231**	**253**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**72.5**	**84.9**	**289**	**359**	**32.4**	**57.4**	**273**	**58.9**	**76.9**	**103**	**1090**
Zinc	**6.6**	**5.78**	**10.3**	**6.37**	**6.7**	**6.03**	**8.13**	**3.79 J**	**4.84**	**8.63**	**8.69**
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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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 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	5 U	5 U
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	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	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	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	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	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 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	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 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 U	1 U

Table 3
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	MW-03-26	MW-03-26
sys_sample_code	GS-030921-11	GS-061021-15	GS-100721-124	GS-121421-10	GS-031022-12	GS-061522-06	GS-100422-113	GS-121922-14	GS-041223-65	GS-061523-13	GS-091323-15
Sample Date	3/9/2021	6/10/2021	10/7/2021	12/14/2021	3/10/2022	6/15/2022	10/4/2022	12/19/2022	4/12/2023	6/15/2023	9/13/2023
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	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**251**	**0.73**	0.2 U	0.2 U	**0.82**	**1.51**	**0.3**	0.2 U	**3.96**	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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	1 U	1 U
Bromomethane (Methyl bromide)	5 UJ	5 U	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	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	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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	10 U	10 U
Ethylbenzene	**0.96**	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	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	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	5 U	5 U
Isopropylbenzene (Cumene)	**0.69 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	1 U	1 U	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	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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	0.5 U	0.5 U
o-Xylene	**2.33**	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	0.5 U
sec-Butylbenzene	1 U	1 U	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	1 U	1 U
tert-Butylbenzene	1 U	1 U	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	0.4 U	0.4 U
Toluene	**0.72 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	2 U	2 U
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	0.4 U	0.2 U
Total BTEX (U = 0)	**255.01 J**	**0.73**	1 U	1 U	**0.82**	**1.51**	**0.3**	1 U	**3.96**	1 U	1 U
Total VOC (U = 0)	**255.7 J**	**0.73**	20 U	20 U	**0.82**	**1.51**	**0.3**	20 UJ	**3.96**	20 U	20 U
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**5.95**	**0.156 J**	**0.26**	**0.0352 J**	**0.0956**	**0.147**	**0.216**	0.316 U	**0.0783**	**0.373**	**0.101**
2-Methylnaphthalene	2.8 U	0.0662 U	0.0806 U	0.0655 U	0.0659 U	**0.0617 J**	**0.118**	0.316 U	0.0712 U	**0.0839 J**	0.0761 U

Table 3
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	MW-03-26	MW-03-26
sys_sample_code	GS-030921-11	GS-061021-15	GS-100721-124	GS-121421-10	GS-031022-12	GS-061522-06	GS-100422-113	GS-121922-14	GS-041223-65	GS-061523-13	GS-091323-15
Sample Date	3/9/2021	6/10/2021	10/7/2021	12/14/2021	3/10/2022	6/15/2022	10/4/2022	12/19/2022	4/12/2023	6/15/2023	9/13/2023
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	15–25 ft	15–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
Acenaphthene	**11.3**	**1.05 J**	**1.89**	**0.242**	**0.252**	**0.202**	**0.413**	**0.456**	**0.102**	**0.325**	**0.914**
Acenaphthylene	**4.71**	**1.55 J**	**1.56**	**0.757**	**1.51**	**1.52**	**2.22**	**1.84**	**1.41**	**2.32**	**1.71**
Anthracene	**2.96**	**1.35 J**	**1.42**	**1.13**	**2**	**2.07**	**2.36**	**2.12**	**1.94**	**2.73**	**1.99**
Benzo(a)anthracene	0.7 U	**0.0658 J**	**0.0609**	**0.0487**	**0.0515**	**0.0531**	**0.0507**	**0.0809**	**0.0654**	**0.067**	**0.0523**
Benzo(a)pyrene	0.7 U	**0.0964 J**	0.0287 U	**0.0381**	**0.0115 J**	**0.0223**	0.0195 U	**0.0415 J**	**0.0196**	0.0211 U	**0.0304**
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.7 U	**0.0629 J**	0.0201 U	**0.0397**	**0.019 J**	**0.0291**	0.0244 U	**0.0513 J**	**0.0365 J**	0.0211 U	**0.03 J**
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1.4 U	**0.0679 J**	0.0403 U	**0.0598**	**0.0317 J**	**0.0866**	0.039 U	0.158 U	**0.0654**	0.0422 U	**0.0319 J**
Benzo(k)fluoranthene	0.7 U	**0.0588 J**	0.0468 U	**0.0324**	**0.0346**	**0.0351**	0.0609 U	**0.0494 J**	**0.0472 J**	0.0792 U	**0.0466 J**
Carbazole	**2.01**	**0.0898 J**	**0.0846**	**0.0426**	**0.121**	**0.137**	0.146 U	**0.103 J**	**0.112**	**0.145**	--
Chrysene	0.7 U	**0.0356 J**	**0.0151 J**	**0.0123 J**	**0.0136 J**	**0.0133 J**	**0.0122 J**	0.079 U	**0.0142 J**	**0.0121 J**	**0.0204**
Dibenzo(a,h)anthracene	0.7 U	0.0166 U	**0.0116 J**	0.0164 U	0.0165 U	0.0171 U	0.0195 U	0.079 U	0.0178 U	0.0211 U	0.019 U
Dibenzofuran	1.4 U	**0.0778 J**	**0.0745**	**0.0635**	**0.119**	**0.0566**	**0.103**	**0.132 J**	**0.0338 J**	**0.214**	0.038 U
Fluoranthene	1.4 U	**0.0956 J**	**0.0937**	**0.0504**	**0.0915**	**0.0758**	**0.0906**	**0.136 J**	**0.0489**	**0.1**	**0.0942**
Fluorene	**1.7**	**0.31 J**	**0.261**	**0.136**	**0.375**	**0.247**	**0.506**	**0.344**	**0.128**	**0.584**	**0.286**
Indeno(1,2,3-c,d)pyrene	0.7 U	**0.0455 J**	0.0201 U	**0.0385**	**0.0206**	**0.0514**	**0.0107 J**	**0.0474 J**	**0.0494**	0.0211 U	**0.0219**
Naphthalene	**22.5**	**0.284 J**	**0.373**	0.0655 U	**0.0849**	**0.54**	**0.221**	0.316 U	**0.172**	**0.183**	**0.129**
Phenanthrene	**2.36 J**	**0.147 J**	**0.285**	0.0655 U	**0.433**	**0.395**	**0.25**	**0.43**	**0.174**	**0.962**	**0.256**
Pyrene	1.4 U	**0.161 J**	**0.157**	**0.0528**	**0.0787**	**0.0698**	**0.11**	**0.219**	**0.0529**	**0.116**	**0.154**
Total PAH (17) (U = 0)	**45.53 J**	**5.3805 J**	**6.1273 J**	**2.6377 J**	**5.0076 J**	**5.4722 J**	**6.3622 J**	**5.8155 J**	**4.3255 J**	**7.483 J**	**5.7667 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	--
C10-C12 Aliphatics unadjusted	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	--
C12-C16 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--
C16-C21 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--
C21-C34 Aliphatics unadjusted	**0.082**	**0.078**	**0.043**	**0.08**	**0.053**	**0.051**	**0.135**	**0.05**	**0.062**	0.04 U	--
C10-C12 Aromatics unadjusted	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	**0.048 J**	--
C8-C10 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	0.04 U	0.04 U	--
C12-C16 Aromatics unadjusted	0.04 UJ	0.04 UJ	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 UJ	--
C16-C21 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	--
n-Dodecane (C12)	--	--	--	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--
n-Hexane (C6)	--	--	--	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--
n-Octane (C8)	--	--	--	--	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 UJ	0.005 U	--
n-Pentane (C5)	--	--	--	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--
C5-C6 Aliphatics unadjusted	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--
C6-C8 Aliphatics unadjusted	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	--
C8-C10 Aliphatics unadjusted	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	--
C10-C12 Aliphatics unadjusted	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--
C10-C12 Aromatics unadjusted	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--
C8-C10 Aromatics unadjusted	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	--
C12-C13 Aromatics unadjusted	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**0.756**	**0.723**	**0.659**	**0.521**	**0.696 J**	**0.645**	**0.635**	**0.979 J**	**0.421 J**	**0.82**	**0.442**
Gasoline-range hydrocarbons	**1.5**	0.1 U	0.1 U	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	**0.294 J**	0.377 U	0.381 U	0.381 U	0.377 U	0.374 U	0.381 U	0.385 U	0.385 U	0.388 U	**0.259 J**

Table 3
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	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-121223-06	GS-031924-23	GS-061024-06	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	12/12/2023	3/19/2024	6/10/2024	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	15–25 ft	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705486.817	705486.817	705486.817	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Conventional Parameters (mg/L)											
Cyanide	**0.389**	**0.41**	**0.411**	**0.107**	**0.138**	**0.0784**	**0.126**	**0.0639**	**0.132**	**0.219**	**0.171**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 U	**0.00338**	**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 U	0.005 U	**0.005**	0.005 UJ	0.005 U	0.005 U	**0.002 J**	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**25.6 J**	50 U	50 U	50 U	**38 J**	**365**	**38.6 J**	50 U	50 U	**36 J**	50 U
Antimony	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Arsenic	1 U	1 U	**0.812 J**	**1.89**	**5.04**	**2.84**	**4.13**	**1.94**	**5.08**	**3.72**	**3.27**
Barium	**50.1**	**55.3**	**60.3**	**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	0.2 U	0.2 U	1 U	0.2 U
Cadmium	0.2 U	0.2 U	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	2 U	2 U	**20**	**40.7**	**9.89**	**47.1 J**	**12.3**	**3.98**	**19**	**22.5**
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**2.11**	**1.44 J**	**1.15 J**	**0.789 J**	**1.21**	**3.57**	**2.09**	**1.01**	1 U	**0.607 J**	**0.874 J**
Iron	**628**	**969**	**11700**	**18100**	**34500**	**16100**	**26800**	**12500**	**29000**	**34400**	**38400 J**
Lead	**0.13 J**	0.2 U	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	**720**	**2460**	**5090**	**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	0.08 U	0.08 U
Nickel	**388**	**415**	**140**	**10.5**	**22.3**	**6.04**	**24.1**	**6.93**	**3.17**	**10.4**	**12.2**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1060**	**89.7**	**108**	1 U	**0.711 J**	**2.67**	1 U	**0.667 J**	**0.889 J**	**0.839 J**	**0.978 J**
Zinc	**9.25**	**7.89**	**8.64**	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	0.4 U	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	0.4 U	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	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	0.5 U	0.5 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	0.5 U	0.5 U	0.5 U	0.4 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	0.5 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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	2 UJ	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	**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	5 U	5 U
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	0.5 U	0.5 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	0.5 U	0.5 U	0.5 U	0.4 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	0.5 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	0.5 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	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 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	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 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 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	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-121223-06	GS-031924-23	GS-061024-06	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	12/12/2023	3/19/2024	6/10/2024	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	15–25 ft	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705486.817	705486.817	705486.817	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	2 U	--	--	--	--	--	--	2 U	2 U
Benzene	0.2 U	**14.2**	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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	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	--	--	--	--	--	--	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	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	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	10 U	5 U
Chloroform	1 U	1 U	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 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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	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	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	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	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	1 U	1 U	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	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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	0.5 U	0.5 U
o-Xylene	0.5 U	**0.29 J**	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	1 U	1 U
Styrene	1 U	1 U	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	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	0.5 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	2 U	2 U
Vinyl chloride	0.2 U	0.2 U	0.2 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	**14.49 J**	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 U	**14.49 J**	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)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**0.0608 J**	**0.321**	0.74 U	**1.02**	**10.1**	**2.57**	**16.9**	**2.4 J**	65.2 U	**12.2**	**7.47**
2-Methylnaphthalene	**0.0425 J**	**0.0675 J**	0.74 U	0.0463 U	4 U	**0.102**	**0.572**	2.7 U	65.2 U	**0.111**	**0.0673**

Table 3
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	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-121223-06	GS-031924-23	GS-061024-06	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	12/12/2023	3/19/2024	6/10/2024	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	15–25 ft	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705486.817	705486.817	705486.817	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Acenaphthene	**0.0741**	**0.198 J**	0.37 U	**29.5**	**45.6**	**43.3**	**94.8**	**38.7**	**97.8**	**65.9**	**68.3**
Acenaphthylene	**0.937**	**2.05**	**1.66**	**0.944**	**4.22**	**1.71**	**3.56**	**2.4**	32.6 U	**1.94**	**2.24**
Anthracene	**1.59**	**2.38**	**1.97**	**1.11**	**2.75**	**1.76**	**4.04**	**1.32 J**	32.6 U	**2.39**	**2.29**
Benzo(a)anthracene	**0.0458**	**0.0698**	0.185 U	**0.128**	1 U	**0.522**	**0.404**	0.676 U	16.3 U	**0.191**	**0.227**
Benzo(a)pyrene	**0.0271**	0.0182 U	0.185 U	**0.0384**	1 U	**0.527**	**0.209**	0.676 U	16.3 U	**0.0862**	**0.109**
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.0275**	0.0182 U	0.185 U	--	1 U	**0.382**	**0.197**	0.676 U	16.3 U	**0.0785 J**	**0.116 J**
Benzo(b,j,k)fluoranthenes	--	--	--	**0.0563**	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**0.0685**	0.0365 U	0.37 U	**0.0192 J**	2 U	**0.347**	**0.162**	1.35 U	32.6 U	**0.0431**	**0.0444**
Benzo(k)fluoranthene	**0.034**	0.057 U	0.185 U	--	1 U	**0.11**	**0.069 J**	0.676 U	16.3 U	**0.0341 J**	**0.057 J**
Carbazole	--	--	--	**0.0398**	2 U	**0.151**	**0.319**	1.35 U	32.6 U	**0.115**	**0.0791**
Chrysene	**0.0122 J**	0.0182 U	0.185 U	**0.151**	1 U	**0.521**	**0.39**	0.676 U	16.3 U	**0.164**	**0.196**
Dibenzo(a,h)anthracene	0.0162 U	0.0182 U	0.185 U	0.0194 U	1 U	**0.0408**	0.0788 U	0.676 U	16.3 U	**0.00976 J**	0.0167 U
Dibenzofuran	0.0324 U	**0.102**	0.37 U	**0.138**	2 U	**0.241**	**0.808**	1.35 U	32.6 U	**0.513**	**0.387**
Fluoranthene	**0.0348**	**0.0634**	0.37 U	**4.16**	**4.55**	**6.59**	**9.98**	**5.32**	32.6 U	**5.11**	**5.98**
Fluorene	**0.0559**	**0.394**	**0.485**	**8.11**	**12.5**	**6.94**	**27.6**	**9.77**	**22.4 J**	**17.4**	**20.6**
Indeno(1,2,3-c,d)pyrene	**0.045**	0.0182 U	0.185 U	**0.0165 J**	1 U	**0.28**	**0.106**	0.676 U	16.3 U	**0.0358**	**0.0422**
Naphthalene	**0.12**	**0.177**	0.74 U	0.333 U	**3.42 J**	**1.11**	**4.02**	2.7 U	65.2 U	**0.875**	**0.716**
Phenanthrene	**0.0648**	**0.661**	**0.379 J**	**0.487**	**5.58**	**1.63**	**6.76**	2.7 U	65.2 U	**4.37**	**3.16**
Pyrene	**0.0316 J**	**0.0598**	0.37 U	**3.78**	**4.72**	**6.71**	**9.66**	**5.12**	32.6 U	**4.64**	**5.41**
Total PAH (17) (U = 0)	**3.2108 J**	**6.1205 J**	**4.494 J**	**48.5004 J**	**83.34 J**	**72.5818**	**162.529 J**	**62.63 J**	**120.2 J**	**103.37846 J**	**109.5549 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U
C10-C12 Aliphatics unadjusted	--	--	--	--	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	**0.004 J**
C12-C16 Aliphatics unadjusted	--	--	--	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C16-C21 Aliphatics unadjusted	--	--	--	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	--	--	--	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C10-C12 Aromatics unadjusted	--	--	--	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.005 J**	**0.007 J**
C8-C10 Aromatics unadjusted	--	--	--	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.007 J**
C12-C16 Aromatics unadjusted	--	--	--	--	**0.086**	**0.044**	**0.11**	**0.056**	**0.075**	**0.072**	**0.075**
C16-C21 Aromatics unadjusted	--	--	--	--	**0.064**	**0.052**	**0.098**	**0.067**	**0.062**	0.059 U	**0.06**
C21-C34 Aromatics unadjusted	--	--	--	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	0.005 U	0.005 U
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	0.005 U	0.005 U
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	0.005 U	0.005 UJ
n-Octane (C8)	--	--	--	--	--	--	--	--	--	0.005 U	0.005 U
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	0.005 U	0.005 UJ
C5-C6 Aliphatics unadjusted	--	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted	--	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C8-C10 Aliphatics unadjusted	--	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C10-C12 Aliphatics unadjusted	--	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C10-C12 Aromatics unadjusted	--	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C8-C10 Aromatics unadjusted	--	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
C12-C13 Aromatics unadjusted	--	--	--	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.032 J**	0.05 U
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	0.192 U	**0.857 J**	**0.84 J**	--	**0.958**	**0.474**	**0.703**	**0.251**	**0.611**	**0.735**	**0.79**
Gasoline-range hydrocarbons	0.1 U	**0.0746 J**	0.1 U	--	**0.086 J**	0.1 U	**0.129**	0.1 U	0.1 U	**0.128**	**0.109**
Oil-range organics	**0.912**	0.388 U	0.374 U	--	0.377 U	0.404 U	0.385 U	0.377 U	0.377 U	0.374 U	0.385 U

Table 3
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	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	GS-100521-113	GS-121421-07
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	10/5/2021	12/14/2021
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	24–34 ft	24–34 ft
Sample Type	N	N	N	N	N	N	N	N	FD	N	N
Matrix	WG	WG	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	7624102.6	7624102.6
Y	705378.2	705378.2	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**	**0.247**	**0.114**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
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**	0.002 U	**0.00106 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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	**28.3 J**	**29.4 J**	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	1 U	1 U
Arsenic	**3.65**	**4.28**	**3.94**	**1.57**	**3.26**	**3.77**	**2.33**	**1.74**	**1.71**	**3.64**	**2.07**
Barium	**102**	**96.9**	**135**	**84.6**	**117**	**123**	**139**	**116**	**117**	**122**	**104**
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	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	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	**8.4**	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	2 U	2 U
Iron	**32600**	**29900**	**41100**	**15700**	**33700**	**20800**	**23900**	**27600**	**27500**	**40900**	**18900**
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	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**8600**	**7980**	**10400**	**4740**	**9020**	**6040**	**6930**	**8430**	**8280**	**10700**	**5120**
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	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	**5.72**	2 U
Potassium	--	--	**3030**	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	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	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**	4 U	**2.18 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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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	**1.03**	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	5 U	5 U
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	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	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	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	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	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 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	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 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 U	1 U

Table 3
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	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	GS-100521-113	GS-121421-07
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	10/5/2021	12/14/2021
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	24–34 ft	24–34 ft
Sample Type	N	N	N	N	N	N	N	N	FD	N	N
Matrix	WG	WG	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	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	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**	**0.417**	**0.117 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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	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	5 U	5 U
Carbon disulfide	10 U	10 U	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	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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	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	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	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	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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**	**1.64**	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	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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	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**	**1.36**	0.5 U
sec-Butylbenzene	1 U	1 U	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	1 U	1 U
tert-Butylbenzene	1 U	1 U	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	0.4 U	0.4 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	2 U	2 U
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	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**	**3.417**	**0.117 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**	**4.447**	**0.117 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**7.63**	**7.82**	**11.8**	**1.25**	**7.81**	**1.31 J**	**3.26**	**3.22**	**3.17**	**10.8**	**1.48**
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	**0.225**	**0.065 J**

Table 3
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	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	GS-100521-113	GS-121421-07
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	10/5/2021	12/14/2021
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	24–34 ft	24–34 ft
Sample Type	N	N	N	N	N	N	N	N	FD	N	N
Matrix	WG	WG	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	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Acenaphthene	**38.5**	**80.9**	**65.2**	**40.7**	**48.6**	**37.7**	**38.7**	**42.4**	**45.8**	**63.4**	**40.1**
Acenaphthylene	**2.21**	**4.94**	**3.17**	**1.48**	**2.69**	**2.35**	**3.59**	**2.89**	**3.14**	**2.2**	**1.42**
Anthracene	**2.51**	**3.29**	**3.17**	**1.15**	**2.28**	**1.49**	**1.55**	**1.75**	**1.96**	**2.21**	**1.29**
Benzo(a)anthracene	**0.166**	**0.35**	**0.147**	**0.124**	**0.126**	**0.255 J**	**0.215**	0.643 U	**0.318 J**	**0.0843**	**0.13**
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	0.0527 U	**0.0333**
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)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	0.0362 U	**0.0379**
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
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	**0.0352 J**	0.0333 U
Benzo(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	0.0357 U	**0.0175 J**
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	**0.172**	0.0416 U
Chrysene	**0.135**	**0.299**	**0.0986**	**0.117**	**0.112**	0.352 U	**0.159 J**	0.643 U	0.637 U	0.06 U	**0.0941**
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	0.0207 U	0.0167 U
Dibenzofuran	**0.47**	**0.822**	**0.982**	**0.131**	**0.449**	0.704 U	**0.249 J**	1.29 U	1.27 U	**0.697**	**0.174**
Fluoranthene	**6.39**	**7.97**	**6.24**	**3.81**	**5.43**	**5.51**	**5.34**	**3.92**	**4.11**	**3.61**	**4.17**
Fluorene	**9.89**	**22.9**	**17**	**7.26**	**12.1**	**9.9**	**9.27**	**11.1**	**10.9**	**12.9**	**7.99**
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	0.0207 U	0.0167 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	**1.9**	**0.319**
Phenanthrene	**2.63**	**3.38**	**4.79**	**0.644**	**2.9**	1.41 U	**1.78**	**1.37 J**	**1.59 J**	**4.69**	**0.703**
Pyrene	**5.59**	**7.24**	**5.58**	**3.59**	**5.05**	**5.35**	**5.17**	**3.84**	**4.11**	**3.16**	**3.85**
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**	**94.4145 J**	**60.2198 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ
C10-C12 Aliphatics unadjusted	**0.006 J**	**0.011 J**	**0.009 J**	0.04 U	0.04 UJ	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 U	0.04 UJ
C12-C16 Aliphatics unadjusted	0.04 U	**0.017 J**	**0.004 J**	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C16-C21 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	**0.063**	0.04 UJ	**0.042**	**0.109**	**0.129**	**0.053**	0.04 U	**0.129**
C10-C12 Aromatics unadjusted	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 UJ	0.04 UJ	0.04 U	0.04 UJ
C8-C10 Aromatics unadjusted	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C12-C16 Aromatics unadjusted	**0.095**	**0.056 J**	**0.091**	0.04 U	**0.058 J**	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	**0.128**	0.04 UJ
C16-C21 Aromatics unadjusted	0.085 U	**0.061 J**	**0.081**	0.04 U	**0.06**	**0.052**	**0.059**	**0.047**	**0.051**	**0.128**	0.04 U
C21-C34 Aromatics unadjusted	0.04 U	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	**1.17**	**1.25**	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
C8-C10 Aliphatics unadjusted	0.05 U	**0.037 J**	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ
C10-C12 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
C10-C12 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
C8-C10 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
C12-C13 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	**0.05**	0.05 U
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**	**0.907**	**0.539**
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**	**0.127**	**0.0641 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	0.374 U	**0.226 J**

Table 3
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	MW-04-35	MW-04-35
sys_sample_code	GS-032122-39	GS-061422-04	GS-092222-62	GS-121522-12	GS-121522-13	GS-041223-68	GS-061523-16	GS-091323-20	GS-121423-15	GS-032124-38	GS-061024-05
Sample Date	3/21/2022	6/14/2022	9/22/2022	12/15/2022	12/15/2022	4/12/2023	6/15/2023	9/13/2023	12/14/2023	3/21/2024	6/10/2024
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	24–34 ft	24–34 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Conventional Parameters (mg/L)											
Cyanide	**0.118**	**0.154**	**0.304**	**0.128**	**0.126**	**0.152**	**0.112**	**0.283**	**0.169**	**0.156**	**0.186**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	**0.00365**	0.002 UJ	0.002 U	0.002 U	**0.00259**	0.002 U	0.002 U	0.002 U	0.002 U	**0.00209**
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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**101**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**1.53**	**2.23**	**3.48**	**3.06**	**3.05**	**1.94**	**1.78**	**3.35**	**2.54**	**1.68**	**1.86**
Barium	**108**	**89**	**134**	**122**	**123**	**117**	**114**	**130**	**116**	**127**	**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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	**22.5**	2 U	2 U	**1.83 J**	**1.12 J**	**16.6**	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**20400**	**21400**	**37200**	**18100**	**17900**	**23300**	**20600**	**34200**	**25700**	**27200**	**29300**
Lead	0.2 U	0.2 U	**0.125 J**	0.2 U	0.2 U	0.2 U	**0.161 J**	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**5490**	**5680**	**11900**	**6360**	**6320**	**6740**	**5570**	**10600**	**7430**	**8390**	**8880**
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	0.08 U	0.08 U
Nickel	2 U	2 U	**11.8**	**1.09 J**	2 U	**1.14 J**	2 U	**9.94**	2 U	**2.93**	2 U
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	20 U	20 U	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	**2.52 J**	4 U	4 U	**3.47 J**	**3.26 J**	**2.71 J**	**4.2**	4 U	**2.1 J**	**4.48**	**3.69 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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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	**0.75 J**	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	5 U	5 U
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	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	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	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	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	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 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	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 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 U	1 U

Table 3
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	MW-04-35	MW-04-35
sys_sample_code	GS-032122-39	GS-061422-04	GS-092222-62	GS-121522-12	GS-121522-13	GS-041223-68	GS-061523-16	GS-091323-20	GS-121423-15	GS-032124-38	GS-061024-05
Sample Date	3/21/2022	6/14/2022	9/22/2022	12/15/2022	12/15/2022	4/12/2023	6/15/2023	9/13/2023	12/14/2023	3/21/2024	6/10/2024
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	24–34 ft	24–34 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**0.22**	0.2 U	**0.99**	**0.11 J**	**0.11 J**	**0.23**	**0.43**	**0.23**	**0.13 J**	**0.65**	**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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 UJ	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	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	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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	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	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	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	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	**0.54 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	1 U	1 U	**1.64**	1 U	1 U	1 U	1 U	**0.71 J**	1 U	**0.61 J**	**0.68 J**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	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	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	**1.21**	0.5 U	0.5 U	0.5 U	0.5 U	**0.27 J**	0.5 U	**0.28 J**	**0.39 J**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	2 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	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	0.4 U	0.4 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	2 U	2 U
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Total BTEX (U = 0)	**0.22**	1 U	**3.84**	**0.11 J**	**0.11 J**	**0.23**	**0.43**	**1.21 J**	**0.13 J**	**1.54 J**	**1.22 J**
Total VOC (U = 0)	**0.22**	20 U	**5.13 J**	**0.11 J**	**0.11 J**	**0.23**	**0.43**	**1.21 J**	**0.13 J**	**1.54 J**	**1.22 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**1.71**	**7.37**	**9.91**	**0.828**	**0.778**	0.738 U	**0.905**	**2.96**	**1**	**1.54**	**3.18**
2-Methylnaphthalene	0.0803 U	**0.0783**	**0.154**	0.673 U	0.688 U	0.738 U	**0.0564 J**	**0.0788**	0.0755 U	**0.0568 J**	0.802 U

Table 3
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	MW-04-35	MW-04-35
sys_sample_code	GS-032122-39	GS-061422-04	GS-092222-62	GS-121522-12	GS-121522-13	GS-041223-68	GS-061523-16	GS-091323-20	GS-121423-15	GS-032124-38	GS-061024-05
Sample Date	3/21/2022	6/14/2022	9/22/2022	12/15/2022	12/15/2022	4/12/2023	6/15/2023	9/13/2023	12/14/2023	3/21/2024	6/10/2024
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	24–34 ft	24–34 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Acenaphthene	**31.7**	**62.7**	**58.5**	**37.2**	**39.5**	**26.5**	**24.5**	**59.7**	**38.8**	**28**	**39.5**
Acenaphthylene	**2.06**	**2.48**	**4.17**	**4.97**	**4.83**	**2.08**	**1.75**	**4.03**	**2.83**	**2.18**	**3.71**
Anthracene	**1.39**	**2.23**	**3.57**	**1.45**	**1.53**	**0.9**	**1.41**	**2.63**	**1.82**	**1.32**	**1.56**
Benzo(a)anthracene	**0.0883**	**0.118**	**0.162**	**0.189**	**0.219**	**0.129 J**	**0.0798**	**0.187**	**0.134**	**0.0877**	**0.145 J**
Benzo(a)pyrene	**0.0196 J**	**0.0209**	**0.0438**	0.168 U	0.172 U	0.185 U	**0.0254**	**0.038**	**0.0278**	**0.0228**	0.2 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.0241**	**0.0272 J**	**0.0358**	0.168 U	0.172 U	0.185 U	**0.0193**	**0.038**	**0.0354**	**0.021**	0.2 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0402 U	0.0389 U	0.0398 U	0.336 U	0.344 U	0.369 U	0.0376 U	0.0375 U	0.0377 U	0.0358 U	0.401 U
Benzo(k)fluoranthene	**0.0146 J**	**0.0126 J**	**0.0244 J**	0.168 U	0.172 U	0.185 U	**0.0141 J**	**0.0281 J**	**0.0179 J**	**0.0148 J**	0.2 U
Carbazole	0.1 U	0.0876 U	**0.266**	0.336 U	0.344 U	0.369 U	**0.225**	--	--	--	--
Chrysene	**0.0913**	**0.108**	**0.13**	**0.189**	**0.189**	0.185 U	**0.0888**	**0.17**	**0.138**	**0.0841**	**0.1 J**
Dibenzo(a,h)anthracene	0.0201 U	0.0195 U	0.0199 U	0.168 U	0.172 U	0.185 U	0.0188 U	0.0188 U	0.0189 U	0.0179 U	0.2 U
Dibenzofuran	**0.114**	**0.141**	**0.725**	0.336 U	0.344 U	0.369 U	**0.113**	**0.204**	**0.144**	**0.107**	0.401 U
Fluoranthene	**3.59**	**4.47**	**6.28**	**5.3**	**5.6**	**2.78**	**3.22**	**6.77**	**4.46**	**3.01**	**3.71**
Fluorene	**7.72**	**18.3**	**18.3**	**10.5**	**11.2**	**7.01**	**8.18**	**17.9**	**10.6**	**8.79**	**11.4**
Indeno(1,2,3-c,d)pyrene	0.0201 U	0.0195 U	0.0199 U	0.168 U	0.172 U	0.185 U	0.0188 U	0.0188 U	0.0189 U	0.0179 U	0.2 U
Naphthalene	**0.316**	**0.383**	**1.58**	0.673 U	0.688 U	0.738 U	**0.933**	**1.03**	**0.269**	**0.85**	**0.521 J**
Phenanthrene	**0.777**	**2.72**	**4.44**	**0.551 J**	**0.533 J**	0.738 U	**0.665**	**1.12**	**0.708**	**0.713**	**1.22**
Pyrene	**3.36**	**4.2**	**5.66**	**4.95**	**5.14**	**2.73**	**3.06**	**6.37**	**4.29**	**2.82**	**3.56**
Total PAH (17) (U = 0)	**51.1509 J**	**97.848 J**	**103.05 J**	**65.299 J**	**68.741 J**	**42.129 J**	**44.0018 J**	**100.0899 J**	**64.1301 J**	**47.9702 J**	**65.426 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	--	--	--	--
C10-C12 Aliphatics unadjusted	0.04 UJ	0.04 UJ	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--
C12-C16 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--
C16-C21 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--
C21-C34 Aliphatics unadjusted	**0.068 J**	0.04 U	0.04 U	**0.074 J**	**0.083 J**	**0.057**	**0.152**	--	--	--	--
C10-C12 Aromatics unadjusted	0.04 U	0.04 UJ	0.04 U	0.04 UJ	0.04 UJ	0.04 UJ	**R**	--	--	--	--
C8-C10 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--
C12-C16 Aromatics unadjusted	0.04 UJ	**0.082**	**0.071 J**	**0.049 J**	**0.04 J**	**0.04**	0.04 UJ	--	--	--	--
C16-C21 Aromatics unadjusted	0.04 U	**0.058**	**0.071**	**0.058**	**0.064**	**0.049**	0.04 U	--	--	--	--
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.016 J**	--	--	--	--
n-Dodecane (C12)	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.007 J**	--	--	--	--
n-Hexane (C6)	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--	--
n-Octane (C8)	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 UJ	**0.007 J**	--	--	--	--
n-Pentane (C5)	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--	--
C5-C6 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--
C6-C8 Aliphatics unadjusted	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	--	--	--	--
C8-C10 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	--	--	--	--
C10-C12 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--
C10-C12 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--
C8-C10 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	--	--	--	--
C12-C13 Aromatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**0.468 J**	**0.823 J**	**1.16**	**0.525 J**	**0.61 J**	**0.628 J**	**0.439**	**0.836**	**0.786**	**0.833 J**	**1.15 J**
Gasoline-range hydrocarbons	0.1 U	0.1 U	**0.131**	0.1 U	0.1 U	0.1 U	0.1 U	**0.0655 J**	**0.0626 J**	**0.0657 J**	**0.0598 J**
Oil-range organics	**0.518**	0.381 U	0.381 U	**0.344 J**	**0.381 J**	0.385 U	**0.401**	0.385 U	0.385 U	**0.643**	0.388 U

Table 3
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	MW-21-12	MW-21-12
sys_sample_code	GS-031414-36	GS-101014-40	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	3/14/2014	10/10/2014	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	7–12 ft	7–12 ft
Sample Type	N	N	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	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	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
Conventional Parameters (mg/L)											
Cyanide	**0.0136**	**0.0276**	**0.0132**	**0.019**	**0.0224**	**0.041**	**0.0183**	**0.0211**	**0.0338**	**0.03**	**0.0561**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00218**	0.002 U	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 U	0.005 U	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
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	**205**	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	1 U	1 U
Arsenic	1 U	1 U	1 U	**0.833 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Barium	**44.8**	**55.3**	**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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	**0.944 J**	1 U	1 U	**0.689 J**	1 U	1 U	**1.25**	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	1 U	**1.19**	1 U	**0.611 J**	1 U	**0.889 J**	1 U	**0.737 J**	1 U	1 U	2 U
Iron	**17300**	**17000**	**11300**	**7650**	**11200**	**22100**	**14100**	**19000**	**20900**	**20700**	**18500**
Lead	0.2 U	**0.3**	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	**1940**	**1550**	**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	0.08 U	0.08 U
Nickel	**1.31 J**	**3.43**	**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	2 U	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	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	0.2 U	0.2 U
Vanadium	**0.656 J**	**2.8**	1 U	1 U	**0.656 J**	**0.5 J**	**1.92**	**0.503 J**	1 U	1 U	2 U
Zinc	4 U	**7.57**	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	0.5 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	0.5 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	0.5 U	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	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	0.5 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	0.5 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	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	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	1 U	1 U	50 U	50 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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	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	5 U	5 U	250 U	250 U	5 U
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	25 U	25 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	0.4 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	0.5 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	0.5 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	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	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	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	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	1 U	1 U	50 U	50 U	1 U

Table 3
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	MW-21-12	MW-21-12
sys_sample_code	GS-031414-36	GS-101014-40	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	3/14/2014	10/10/2014	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	7–12 ft	7–12 ft
Sample Type	N	N	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	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	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
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	25 U	25 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U	500 U	500 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U	10 U
Acetone	20 U	20 U	**12.9 J**	20 U	20 U	20 U	20 U	20 U	1000 U	1000 U	20 U
Acrylonitrile	--	--	--	--	--	2 U	2 U	2 U	100 U	100 U	2 U
Benzene	0.25 U	**0.33**	**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	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	1 U	1 U	50 U	50 U	1 U
Bromodichloromethane	1 U	1 U	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	1 U	1 U	50 U	50 U	1 U
Bromomethane (Methyl bromide)	5 U	5 UJ	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	0.5 U	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	0.5 U	0.5 U	25 U	25 U	0.5 U
Chloroethane	5 U	5 U	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	1 U	1 U	50 U	50 U	1 U
Chloromethane	5 U	5 U	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	1 U	1 U	50 U	50 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U	50 U	50 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Dichloromethane (Methylene chloride)	5 U	5 U	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	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	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	5 U	5 U	250 U	250 U	5 U
Isopropylbenzene (Cumene)	**7.37**	**6.52**	**8.25**	**7.47**	**6.75**	**7.1**	**5.04**	**5.24**	50 U	50 U	**6.25**
m,p-Xylene	**1.5**	**1.49**	**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	10 U	10 U	500 U	500 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
n-Butylbenzene	**2.36**	**1.68**	**1.89**	**2.12**	**1.39**	**1.94**	**1.68**	**1.65**	50 U	50 U	**1.94**
n-Propylbenzene	**2.88**	**2.7**	**2.7**	**3.55**	**2.55**	**2.8**	**2.41**	**1.7**	25 U	25 U	**1.9**
o-Xylene	**0.38 J**	**0.28 J**	**0.28 J**	**0.419 J**	**0.405 J**	**0.427 J**	**0.659**	**0.544**	25 U	25 U	**0.674**
sec-Butylbenzene	**2.34**	**1.73**	**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	1 U	1 U	50 U	50 U	1 U
tert-Butylbenzene	1 U	1 U	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	0.5 U	0.5 U	0.4 U	0.4 U	20 U	20 U	0.4 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Trichloroethene (TCE)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.5 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	100 U	100 U	2 U
Vinyl chloride	0.5 U	0.5 U	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)	**1.88 J**	**2.1 J**	**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)	**16.83 J**	**14.73 J**	**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)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**1.39**	**2.33**	**3.08**	**3.1**	64.2 U	**1.67**	**1.98**	**1.82**	**2.39**	**2.08**	**2.03 J**
2-Methylnaphthalene	0.377 U	**0.265 J**	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

Table 3
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	MW-21-12	MW-21-12
sys_sample_code	GS-031414-36	GS-101014-40	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	3/14/2014	10/10/2014	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	7–12 ft	7–12 ft
Sample Type	N	N	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	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	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
Acenaphthene	**16.1**	**16.2**	**27.6**	**30.7**	**55.8**	**34.4**	**30.6**	**37.2**	**36.1**	**33.6**	**31.2**
Acenaphthylene	0.849 U	1.4 U	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	**0.296**	**0.625**	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	0.189 U	**0.06 J**	**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	0.189 U	**0.0875 J**	**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	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.189 U	0.1 U	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,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.189 U	0.2 U	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(k)fluoranthene	0.189 U	0.1 U	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
Carbazole	0.189 U	0.2 U	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	0.189 U	**0.05 J**	**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	0.189 U	0.1 U	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	**1.13**	**1.02**	**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	0.189 U	**0.182 J**	**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	**11.3**	**10.9**	**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	0.189 U	**0.05 J**	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	0.943 U	**1.14 J**	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	0.189 U	**0.322 J**	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
Pyrene	**0.139 J**	**0.235**	**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)	**27.835 J**	**30.1165 J**	**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**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	**0.014 J**	**0.009 J**	0.04 U	0.04 U	0.04 U	0.04 U
C10-C12 Aliphatics unadjusted	--	0.04 U	0.04 UJ	**0.053**	**0.046**	**0.043**	**0.021 J**	**0.044 J**	**0.074**	**0.068**	**0.051**
C12-C16 Aliphatics unadjusted	--	0.04 U	0.04 U	**0.05**	0.04 U	**0.017 J**	**0.015 J**	**0.047**	**0.079**	**0.071**	**0.047**
C16-C21 Aliphatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.107**	0.04 U	0.068 U	0.04 U	**0.028 J**
C10-C12 Aromatics unadjusted	--	**0.084**	**0.072**	**0.079**	**0.053**	**0.04**	**0.063**	**0.032 J**	**0.03 J**	0.04 UJ	**0.037 J**
C8-C10 Aromatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 UJ	0.04 U
C12-C16 Aromatics unadjusted	--	**0.23**	**0.21**	**0.26**	**0.176**	**0.201**	**0.201**	**0.145**	**0.15 J**	**0.136 J**	**0.144**
C16-C21 Aromatics unadjusted	--	**0.094**	**0.1**	**0.14**	**0.084**	**0.113**	**0.093**	**0.103**	**0.095 J**	**0.081 J**	**0.097**
C21-C34 Aromatics unadjusted	--	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 UJ	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	0.005 U	0.005 U	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	**0.008**	**0.007**	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	0.005 U	0.005 U	--	--	--	--
n-Octane (C8)	--	--	--	--	--	0.005 U	0.005 U	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	0.005 U	0.005 UJ	--	--	--	--
C5-C6 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	1 U	0.05 U	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.048 J**	1 U	**0.623**	**0.623**	**1.38 J**
C8-C10 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	**0.029 J**	**0.028 J**	1 U	0.05 U	0.05 U	0.05 UJ
C10-C12 Aliphatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	1 U	0.05 U	0.05 U	0.05 U
C10-C12 Aromatics unadjusted	--	**0.14**	**0.18**	**0.18**	**0.172**	**0.145**	**0.124**	1 U	**0.13**	**0.127**	**0.128**
C8-C10 Aromatics unadjusted	--	0.05 U	0.05 U	0.05 U	0.05 U	**0.033 J**	0.05 U	1 U	**0.037 J**	**0.037 J**	0.05 U
C12-C13 Aromatics unadjusted	--	**0.099**	**0.25**	**0.2**	**0.163**	**0.155**	**0.115**	1 U	**0.156**	**0.148**	**0.141**
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	**1.5**	**1.72**	**1.65**	**1.59**	**1.23**	**1.4**	**1.31**	**2.22**	**2.25**	**1.98**
Gasoline-range hydrocarbons	--	**0.6**	**0.628**	**1.16**	**0.752**	**0.678**	**0.716**	**6.82**	**8.21**	**8.75**	**8.61**
Oil-range organics	--	0.392 U	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 3
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	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	GS-061623-17	GS-121323-12
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	6/16/2023	12/13/2023
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	7–12 ft	7–12 ft
Sample Type	N	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623633.518	7623633.518
Y	705643.011	705643.011	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**	**0.0143**	**0.018**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
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	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	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	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	1 U
Arsenic	1 U	1 U	1 U	1 U	1 U	--	**1.81**	**1.44**	**0.725 J**	**4.66**	**0.671 J**
Barium	**73.3**	**72**	**47.6**	**50.4**	**57.1**	--	**90.4**	**99**	**42.4**	**67.1**	**67.9**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	2 U	**1.04 J**	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	**3.7**	2 U
Iron	**24900**	**24800**	**16500**	**15900**	**21400**	--	**18100**	**15400**	**10700**	**26300**	**30800**
Lead	0.2 U	1 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	**0.129 J**	**2.44**	**0.223**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**2330**	**2260**	**1320**	**1370**	**1840**	--	**1950**	**2120**	**956**	**1730**	**1800**
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	0.08 U
Nickel	**1.3 J**	2 U	2 U	2 U	2 U	--	**2.36**	**18.6**	**1.19 J**	**8.74**	**1.23 J**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	--	**2.79**	**2.82**	**2.33**	**16.4**	**3.26**
Zinc	**2.09 J**	4 U	4 U	4 U	4 U	--	4 U	**5.12**	4 U	**3.36 J**	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	0.4 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	0.4 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	0.5 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	0.5 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	0.4 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	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 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	2 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 U	1 U
1,2,4-Trichlorobenzene	100 U	200 U	200 U	200 U	100 U	2 U	2 U	5 U	2 U	2 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 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	5 U	5 U
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	0.5 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	0.4 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	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	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	0.5 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 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	0.5 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 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 U	1 U

Table 3
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	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	GS-061623-17	GS-121323-12
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	6/16/2023	12/13/2023
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	7–12 ft	7–12 ft
Sample Type	N	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
1,3-Dichloropropene, trans-	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
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	0.5 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	1 U	1 U
2-Chlorotoluene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 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	10 U	10 U
4-Chlorotoluene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	1000 U	2000 U	2000 U	2000 U	1000 U	20 U	20 U	50 U	20 U	20 U	20 U
Acrylonitrile	100 U	200 U	200 U	200 U	100 U	2 U	2 U	5 U	2 U	2 U	2 U
Benzene	**18800**	**17600**	**9690**	**10400**	**8420**	**3370**	**1940**	**372**	**2.36**	**1.32**	**0.12 J**
Bromobenzene	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
Bromodichloromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 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	5 U	5 U
Carbon disulfide	500 U	1000 U	1000 U	1000 U	500 U	10 U	10 U	25 U	10 U	10 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	1 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	0.5 U	0.5 U
Chloroethane	250 U	500 U	500 U	500 U	250 U	5 U	5 U	12.5 U	5 U	5 U	5 U
Chloroform	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
Chloromethane	250 U	500 U	500 U	500 U	250 U	5 U	5 U	12.5 U	5 U	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	1 U	1 U
Dibromochloromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
Dibromomethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
Dichlorodifluoromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 UJ	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	1000 U	1000 U	1000 U	1000 U	500 U	10 U	10 U	25 U	10 U	10 U	10 U
Ethylbenzene	25 U	50 U	50 U	50 U	25 U	**0.644**	**0.656**	1.25 U	**0.25 J**	**0.8**	0.5 U
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	0.5 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	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**	**4.09**	**3.02**
m,p-Xylene	50 U	100 U	100 U	100 U	50 U	**0.539 J**	1 U	2.5 U	1 U	**0.53 J**	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	**40.6**	10 U
Methyl tert-butyl ether (MTBE)	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
n-Butylbenzene	50 U	100 U	100 U	100 U	50 U	**0.825 J**	1 U	**1.38 J**	1 U	**1.4**	**0.92 J**
n-Propylbenzene	25 U	50 U	50 U	50 U	25 U	**0.615**	**0.658**	1.25 U	0.5 U	**1.59**	**1.18**
o-Xylene	25 U	50 U	50 U	50 U	25 U	**1.4**	**1.27**	**1.1 J**	**0.57**	**1.17**	**0.86**
sec-Butylbenzene	50 U	100 U	100 U	100 U	50 U	**0.908 J**	1 U	2.5 U	1 U	**1.36**	**0.74 J**
Styrene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 U	1 U
tert-Butylbenzene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U	1 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	0.4 U	0.4 U
Toluene	50 U	100 U	100 U	100 U	50 U	**4.15**	**3.94**	2.5 U	1 U	1 U	1 U
Trichloroethene (TCE)	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 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	2 U	2 U
Vinyl chloride	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.2 U
Total BTEX (U = 0)	**18800**	**17600**	**9690**	**10400**	**8420**	**3376.733 J**	**1945.866**	**373.1 J**	**3.18 J**	**3.82 J**	**0.98 J**
Total VOC (U = 0)	**18800**	**17600**	**9690**	**10400**	**8420 J**	**3381.001 J**	**1948.354**	**376.38 J**	**3.83 J**	**52.86 J**	**6.84 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	2.87 U	6.55 U	**1.28**	**1.55**	**1.91**	0.513 U	**0.408**	**1.25**	**1.45**	**2.19**	**1.44**
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	0.795 U	0.889 U

Table 3
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	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	GS-061623-17	GS-121323-12
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	6/16/2023	12/13/2023
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	7–12 ft	7–12 ft
Sample Type	N	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
Acenaphthene	**39.2**	**51.4**	**38**	**38.1**	**37.3**	**7.07 J**	**5.52**	**10.6**	**12.7**	**13.2**	**13.8**
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	1.12 U	1.81 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	0.398 U	0.445 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	**0.129 J**	0.222 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	0.199 U	0.222 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)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	0.199 U	0.222 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
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	0.398 U	0.445 U
Benzo(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	0.199 U	0.222 U
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	0.398 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	**0.134 J**	0.222 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	0.199 U	0.222 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	0.994 U	0.834 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	**0.219 J**	0.445 U
Fluorene	**20.5**	**26.8**	**18.1**	**18.5**	**18.2**	**0.713 J**	**2.58**	**6.56**	**6.86**	**8.44**	**6.58**
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	**0.104 J**	0.222 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	1.61 U	0.889 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	0.795 U	0.889 U
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	**0.348 J**	**0.25 J**
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**	**22.574 J**	**20.63 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 U	0.04 U	0.04 UJ	0.04 UJ	0.04 U	--	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	--
C10-C12 Aliphatics unadjusted	0.04 U	0.04 UJ	0.04 UJ	**0.044 J**	0.04 U	--	0.04 UJ	0.04 UJ	0.04 UJ	**0.16**	--
C12-C16 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	**0.042**	0.04 U	--	0.04 U	**0.057**	0.04 U	**0.512**	--
C16-C21 Aliphatics unadjusted	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U	--	0.04 U	**0.054**	0.04 U	**0.352**	--
C21-C34 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	**0.041**	0.04 U	0.04 U	**0.064**	--
C10-C12 Aromatics unadjusted	**0.049**	0.04 UJ	**0.042 J**	**0.045 J**	0.04 U	--	0.04 UJ	**0.044**	0.04 UJ	**0.052 J**	--
C8-C10 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	0.04 U	0.04 U	0.04 U	0.04 U	--
C12-C16 Aromatics unadjusted	**0.159**	**0.122**	**0.161**	**0.167**	**0.075 J**	--	**0.052 J**	**0.157**	**0.101**	**0.248 J**	--
C16-C21 Aromatics unadjusted	**0.11**	**0.091**	**0.104**	**0.102**	**0.071**	--	0.04 U	**0.108**	**0.075**	**0.242**	--
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	0.04 U	0.04 U	0.04 U	0.04 U	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	0.005 U	0.005 U	0.005 U	--
n-Dodecane (C12)	--	--	--	--	--	--	--	0.005 U	0.005 U	**0.015**	--
n-Hexane (C6)	--	--	--	--	--	--	--	0.005 U	0.005 U	0.005 U	--
n-Octane (C8)	--	--	--	--	--	--	--	0.005 U	0.005 UJ	0.005 U	--
n-Pentane (C5)	--	--	--	--	--	--	--	0.005 U	0.005 U	0.005 U	--
C5-C6 Aliphatics unadjusted	1 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	1 U	0.05 U	0.05 U	0.05 U	0.05 U	--
C6-C8 Aliphatics unadjusted	**1.64 J**	**8.61**	**5**	**5.2**	**4.4 J**	1 U	**0.629 J**	0.05 U	0.05 UJ	0.05 U	--
C8-C10 Aliphatics unadjusted	1 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	1 U	0.05 UJ	0.05 U	0.05 U	0.05 U	--
C10-C12 Aliphatics unadjusted	1 UJ	0.05 U	0.05 U	0.05 U	0.05 UJ	1 U	0.05 U	0.05 U	0.05 U	0.05 U	--
C10-C12 Aromatics unadjusted	1 UJ	**0.116**	**0.101**	**0.106**	**0.114**	1 U	0.05 U	**0.086**	0.05 U	**0.23**	--
C8-C10 Aromatics unadjusted	1 UJ	0.05 U	0.05 U	0.05 U	0.05 U	1 U	0.05 U	0.05 U	0.05 U	**0.051**	--
C12-C13 Aromatics unadjusted	1 UJ	**0.156**	**0.13**	**0.146**	**0.141**	1 U	0.05 U	**0.096**	**0.051**	**0.32**	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**2.13**	**2.37**	**1.82**	**1.86**	**1.75**	--	**2.41**	**3.84**	**2.11**	**974**	**5.62**
Gasoline-range hydrocarbons	**46.9**	**43.2**	**27.1**	**29.5**	**54.1**	**6.7**	**4.12**	**1.15 J**	**0.184**	**0.72**	**0.786**
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	19.3 U	0.44 U

Table 3
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U
sys_sample_code	GS-031824-19	GS-061224-14	GS-031214-16	GS-100814-35	GS-031715-60	GS-092515-85	GS-031016-21	GS-101816-82	GS-091817-10	GS-091918-43	GS-091918-44
Sample Date	3/18/2024	6/12/2024	3/12/2014	10/8/2014	3/17/2015	9/25/2015	3/10/2016	10/18/2016	9/18/2017	9/19/2018	9/19/2018
Depth	7–12 ft	7–12 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734
Y	705643.011	705643.011	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896
Conventional Parameters (mg/L)											
Cyanide	**0.0213**	0.005 U	**0.0358**	**0.0396**	**0.0375**	**0.034**	**0.0346**	**0.0316**	**0.0316**	**0.0196**	**0.0312**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
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	0.002 U	0.002 U
Cyanide, free	0.005 U	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	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	**28.9 J**	50 U	**37.8 J**	50 U	**327**	50 U	50 U	**61.3**	**77.9 J**	**76 J**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.942 J**	**1.41**	**21.6**	**23**	**22.1**	**22.6**	**20.4**	**16.9**	**16.6**	**16.1**	**16.3**
Barium	**216**	**51.8**	**38.3**	**38.6**	**36.8**	**40.5**	**42.8**	**42.2**	**40.1**	**35.8**	**35.5**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	**1.39**	**0.722 J**	1 U	**0.644 J**	1 U	**0.556 J**	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**1.95 J**	2 U	1 U	1 U	1 U	**0.711 J**	1 U	1 U	**0.667 J**	1 U	1 U
Iron	**36200**	**21300**	**17600**	**19900**	**19400**	**18800**	**19900**	**19000**	**17500**	**16800**	**18700**
Lead	**0.543**	**0.344**	0.2 U	0.2 U	0.2 U	**0.111 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3810**	**1580**	**4730**	**5320**	**5360**	**5190**	**5580**	**5840**	**5440**	**5080**	**5170**
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	**2.26**	**1.9 J**	**3.42**	**3.36**	**3.19**	**3.94**	**3.22**	**3.58**	**4.02**	**3.08**	**3.31**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	**0.833 J**	1 U	1 U	1 U	1 U	**0.711 J**	**1.36 J**	**0.652 J**
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	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	0.2 U	0.2 U
Vanadium	**4.18**	**4.25**	**0.856 J**	**0.7 J**	1 U	**1.44**	1 U	1 U	**0.733 J**	**0.967 J**	**0.849 J**
Zinc	**2.37 J**	**3.64 J**	4 U	**4.99**	4 U	**4.81**	**2.4 J**	**3.81 J**	4 U	4 U	4 U
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.4 U	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	0.4 U
1,1,1-Trichloroethane	0.4 U	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	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	1 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	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	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	0.4 U
1,1-Dichloroethene	0.4 U	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	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	**0.6 J**	**0.71 J**	**0.62 J**	**0.94 J**	**0.611 J**	1 U	**0.651 J**	**0.661 J**	**0.644 J**
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
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	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	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	0.4 U
1,2-Dichloroethene, cis-	0.4 U	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	0.4 U
1,2-Dichloroethene, trans-	0.4 U	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	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	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 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	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 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 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U
sys_sample_code	GS-031824-19	GS-061224-14	GS-031214-16	GS-100814-35	GS-031715-60	GS-092515-85	GS-031016-21	GS-101816-82	GS-091817-10	GS-091918-43	GS-091918-44
Sample Date	3/18/2024	6/12/2024	3/12/2014	10/8/2014	3/17/2015	9/25/2015	3/10/2016	10/18/2016	9/18/2017	9/19/2018	9/19/2018
Depth	7–12 ft	7–12 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734
Y	705643.011	705643.011	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	**23.8**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	--	--	--	--	--	--	2 U	2 U	2 U
Benzene	**0.34**	0.2 U	**0.63**	**0.38**	**0.36**	**0.48**	**0.395**	**0.301**	**1.48**	**1.84**	**1.9**
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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	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
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	0.5 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	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	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	**0.28 J**	0.5 U	**0.25 J**	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	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	5 U	5 U
Isopropylbenzene (Cumene)	**4.06**	**5.01**	**7.88**	**7.39**	**8.83**	**8.85**	**7.42**	**8.02**	**10.1**	**8.27**	**8.14**
m,p-Xylene	**0.67 J**	**0.5 J**	**0.99 J**	**1.07**	**0.94 J**	**1.15**	**0.876 J**	**0.837 J**	**0.915 J**	**0.817 J**	**0.8 J**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	**1.23**	**1.79**	**0.75 J**	**0.67 J**	**0.77 J**	**0.79 J**	**0.752 J**	**0.586 J**	**0.746 J**	**0.717 J**	**0.712 J**
n-Propylbenzene	**1.67**	**1.98**	**2.2**	**2.14**	**2.54**	**2.95**	**2.71**	**2.42**	**3.41**	**3.3**	**3.25**
o-Xylene	**0.86**	**0.58**	**0.55**	**0.58**	**0.55**	**0.7**	**0.547**	**0.496 J**	**0.648**	**0.667**	**0.659**
sec-Butylbenzene	**1.25**	**1.75**	**1.12**	**1.03**	**1.04**	**1.26**	**0.94 J**	**0.835 J**	**1.15**	**0.995 J**	**1**
Styrene	1 U	1 U	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	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	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	0.4 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (TCE)	0.4 U	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	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	0.2 U	0.2 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	0.4 U
Total BTEX (U = 0)	**1.87 J**	**1.08 J**	**2.17 J**	**2.31 J**	**1.85 J**	**2.58 J**	**1.818 J**	**1.634 J**	**3.043 J**	**3.324 J**	**3.359 J**
Total VOC (U = 0)	**10.08 J**	**35.41 J**	**14.72 J**	**14.25 J**	**15.65 J**	**17.37 J**	**14.251 J**	**13.495 J**	**19.1 J**	**17.267 J**	**17.105 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--									
1,2-Dichlorobenzene	--	--									
1,3-Dichlorobenzene	--	--									
1,4-Dichlorobenzene	--	--									
1-Methylnaphthalene	**3.58**	**4.24**	**16.7**	**19.3**	**18.5**	**24.8**	**21.7**	68 U	**13.2**	**12.1**	**11.4**
2-Methylnaphthalene	0.732 U	1.52 U	**6.59**	**8.5**	**6.63**	**15.7**	**6.57**	68 U	**2.51**	**3.71**	**3.49**

Table 3
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U
sys_sample_code	GS-031824-19	GS-061224-14	GS-031214-16	GS-100814-35	GS-031715-60	GS-092515-85	GS-031016-21	GS-101816-82	GS-091817-10	GS-091918-43	GS-091918-44
Sample Date	3/18/2024	6/12/2024	3/12/2014	10/8/2014	3/17/2015	9/25/2015	3/10/2016	10/18/2016	9/18/2017	9/19/2018	9/19/2018
Depth	7–12 ft	7–12 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734
Y	705643.011	705643.011	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896
Acenaphthene	**17.9**	**30.8**	**34.2**	**32**	**45.4**	**44.9**	**41.9**	**54.8**	**38.2**	**32.9**	**32.1**
Acenaphthylene	1.61 U	3.08 U	0.762 U	**2.12**	**0.819**	**1.98**	**3.27**	34 U	0.67 U	1.08 U	1.05 U
Anthracene	0.635 U	3.32 U	**0.726**	**1.3 J**	**0.724**	**1.43**	**0.937 J**	34 U	**0.81**	**0.79**	**0.836**
Benzo(a)anthracene	**0.141**	**0.673**	0.381 U	1 U	**0.0459**	**0.537**	0.707 U	17 U	**0.171**	**0.0684 J**	**0.0651 J**
Benzo(a)pyrene	**0.0742 J**	**0.332 J**	0.381 U	1 U	**0.0189**	**0.135**	0.707 U	17 U	**0.0616**	0.0866 U	0.0882 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.0469 J**	0.379 U	0.381 U	1 U	**0.023**	**0.2 J**	0.707 U	17 U	**0.0712 J**	0.0866 U	0.0882 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.156 U	0.759 U	0.381 U	2 U	0.0328 U	0.133 U	1.41 U	34 U	**0.0168 J**	0.173 U	0.176 U
Benzo(k)fluoranthene	0.0781 U	0.379 U	0.381 U	1 U	**0.018**	**0.0767 J**	0.707 U	17 U	**0.0364 J**	0.0866 U	0.0882 U
Carbazole	--	--	**0.541**	2 U	**0.36**	**1.33**	1.41 U	34 U	**0.135**	**0.173**	**0.19**
Chrysene	**0.185**	**0.645**	0.381 U	1 U	**0.0291**	**0.419**	0.707 U	17 U	**0.112**	0.0866 U	0.0882 U
Dibenzo(a,h)anthracene	0.0781 U	0.379 U	0.381 U	1 U	0.0164 U	0.0667 U	0.707 U	17 U	**0.00964 J**	0.0866 U	0.0882 U
Dibenzofuran	1.46 U	2.37 U	**3.61**	**2.82**	**2.33**	**6.07**	**3.36**	34 U	**1.64**	**2.39**	**2.44**
Fluoranthene	**0.314**	**0.825**	**0.716**	**1.2 J**	**0.628**	**3.03**	**0.795 J**	34 U	**1.28**	**1.03**	**1.09**
Fluorene	**12.3**	**21.7**	**7.09**	**7.9**	**6**	**10.5**	**7.09**	34 U	**3.99**	**5.28**	**5.31**
Indeno(1,2,3-c,d)pyrene	0.0781 U	0.379 U	0.381 U	1 U	0.0164 U	0.0667 U	0.707 U	17 U	**0.0214**	0.0866 U	0.0882 U
Naphthalene	1.9 U	3.56 U	**7.77**	**10.4**	**5.74**	**20.5**	**6.93**	68 U	**1.41 J**	1.19 U	1.1 U
Phenanthrene	0.635 U	2.85 U	**6.39**	**6.42**	**4.99**	**10.9**	**5.81**	68 U	**4.43**	**5.45**	**5.72**
Pyrene	**0.646**	**1.75**	**0.434**	2 U	**0.414**	**2.14**	1.41 U	34 U	**0.853**	**0.666**	**0.688**
Total PAH (17) (U = 0)	**31.6071 J**	**56.725 J**	**63.916**	**69.84 J**	**71.4799**	**112.4477 J**	**73.302 J**	**54.8**	**53.98304 J**	**49.8944 J**	**49.2991 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--									
C10-C12 Aliphatics unadjusted	--	--									
C12-C16 Aliphatics unadjusted	--	--									
C16-C21 Aliphatics unadjusted	--	--									
C21-C34 Aliphatics unadjusted	--	--									
C10-C12 Aromatics unadjusted	--	--									
C8-C10 Aromatics unadjusted	--	--									
C12-C16 Aromatics unadjusted	--	--									
C16-C21 Aromatics unadjusted	--	--									
C21-C34 Aromatics unadjusted	--	--									
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--									
n-Dodecane (C12)	--	--									
n-Hexane (C6)	--	--									
n-Octane (C8)	--	--									
n-Pentane (C5)	--	--									
C5-C6 Aliphatics unadjusted	--	--									
C6-C8 Aliphatics unadjusted	--	--									
C8-C10 Aliphatics unadjusted	--	--									
C10-C12 Aliphatics unadjusted	--	--									
C10-C12 Aromatics unadjusted	--	--									
C8-C10 Aromatics unadjusted	--	--									
C12-C13 Aromatics unadjusted	--	--									
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**18.5**	**713**	--	**1.07**	**1.52**	**1.29**	**1.26**	**1.22**	**0.892**	**1.18**	**1.24**
Gasoline-range hydrocarbons	**0.567**	**0.924**	--	**0.478**	**0.485**	**0.718**	**0.849**	**0.586**	**0.614**	**0.533**	**0.555**
Oil-range organics	0.385 U	25 U	--	0.385 U	0.381 U	0.396 U	0.381 U	**0.348 J**	**0.329 J**	0.374 U	0.374 U

Table 3
Laboratory Testing Results

Location ID	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-092419-46	GS-092920-17	GS-090821-25	GS-090821-26	GS-091922-42	GS-031824-18	GS-031114-14	GS-100714-26	GS-031815-67	GS-092815-86	GS-031716-67
Sample Date	9/24/2019	9/29/2020	9/8/2021	9/8/2021	9/19/2022	3/18/2024	3/11/2014	10/7/2014	3/18/2015	9/28/2015	3/17/2016
Depth	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 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
Sample Type	N	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705734.949	705734.949	705734.949	705734.949	705734.949
Conventional Parameters (mg/L)											
Cyanide	**0.0251**	**0.0169**	**0.0189**	**0.0186**	**0.0222**	**0.0441**	**0.185**	**0.0612**	**0.0724**	**0.0587**	**0.181**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	**0.00115 J**	0.002 U	0.002 U	0.002 U	0.002 U	**0.00819**	0.002 U	**0.00205**	0.002 U	**0.0116**
Cyanide, free	0.005 U	0.005 U	0.005 UJ	0.005 UJ	0.005 U	0.005 U	0.005 U	**0.0023 J**	0.005 U	0.005 UJ	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	**55.6**	**51.8**	50 U	**58.6**	**180**	**63**	**71.8**	50 U	**156**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Arsenic	**17.2**	**16.7**	**23.2**	**23.4**	**20.1**	**19**	**0.856 J**	**0.567 J**	**0.578 J**	1 U	1 U
Barium	**27.3**	**29.8**	**27.9**	**28.6**	**31.8**	**36.5**	**60.4**	**49.8**	**58.2**	**50.4**	**55.4**
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	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	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	2 U	2 U	2 U	2 U	**0.822 J**	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	1 U	2 U	**1.49 J**	2 U	2 U	2 U	**3.34**	**0.956 J**	**1.92**	1 U	**1.48**
Iron	**16400**	**20700**	**17500**	**16800**	**15000**	**17200**	**29600**	**29300**	**29700**	**28200**	**25100**
Lead	0.2 U	1 U	0.2 U	0.2 U	0.2 U	**1.16**	**0.611**	**0.244**	**0.322**	**0.156 J**	**0.489**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**4950**	**6510**	**5260**	**5080**	**6150**	**7540**	**3840**	**3970**	**3750**	**4110**	--
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.16 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**2.68**	**2.29**	**5.27**	**3.37**	**2.52**	**2.92**	**2.29**	**1.23**	**0.833 J**	1 U	**1.37**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.622 J**	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	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	0.2 U	0.2 U	0.2 U
Vanadium	1 U	2 U	2 U	2 U	2 U	2 U	**1.69**	**1**	**1.03**	**0.611 J**	**1.1**
Zinc	4 U	4 U	4 U	4 U	4 U	4 U	4 U	**2.27 J**	**4.92**	**2.44 J**	**3.24 J**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	4 U	4 U	0.4 U	0.4 U	0.5 U	0.5 U	5 U	1 U	0.5 U
1,1,1-Trichloroethane	0.4 U	0.4 U	4 U	4 U	0.4 U	0.4 U	0.5 U	0.5 U	5 U	1 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 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	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	4 U	4 U	0.4 U	0.4 U	0.5 U	0.5 U	5 U	1 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	**0.434 J**	0.5 U
1,1-Dichloropropene	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	20 U	20 U	2 U	2 U	2 U	2 U	20 U	4 U	2 U
1,2,3-Trichloropropane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	20 U	20 U	2 U	2 U	2 U	2 U	20 U	4 U	2 U
1,2,4-Trimethylbenzene	**0.532 J**	**0.505 J**	10 U	10 U	1 U	1 U	**2.33**	**2.43**	10 U	**1.24 J**	**1.08**
1,2-Dibromo-3-chloropropane	5 U	5 U	50 U	50 U	5 U	5 U	5 U	5 U	50 U	10 U	5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	4 U	4 U	0.4 U	0.4 U	0.5 U	0.5 U	5 U	1 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	0.5 UJ	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	**0.324 J**	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	10 U	10 U	1 U	1 U	**0.53 J**	**0.6 J**	10 U	2 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
1,3-Dichloropropane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-092419-46	GS-092920-17	GS-090821-25	GS-090821-26	GS-091922-42	GS-031824-18	GS-031114-14	GS-100714-26	GS-031815-67	GS-092815-86	GS-031716-67
Sample Date	9/24/2019	9/29/2020	9/8/2021	9/8/2021	9/19/2022	3/18/2024	3/11/2014	10/7/2014	3/18/2015	9/28/2015	3/17/2016
Depth	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 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
Sample Type	N	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705734.949	705734.949	705734.949	705734.949	705734.949
1,3-Dichloropropene, trans-	1 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
1,4-Dichlorobenzene	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
2,2-Dichloropropane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
2-Chlorotoluene	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	100 U	20 U	10 U
4-Chlorotoluene	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	100 U	20 U	10 U
Acetone	**10.6 J**	20 U	200 U	200 U	20 U	20 U	20 U	20 U	200 U	40 U	20 U
Acrylonitrile	2 U	2 U	20 U	20 U	2 U	2 U	--	--	--	--	--
Benzene	**0.246**	**5750**	**2620**	**2700**	**109**	**37.8**	**0.85**	**0.54**	**11 J**	**1.52**	**0.432**
Bromobenzene	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
Bromochloromethane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Bromodichloromethane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	50 U	50 U	5 U	5 U	5 U	5 UJ	50 U	10 U	5 U
Carbon disulfide	10 U	10 U	100 U	100 U	10 U	10 U	--	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	10 U	10 U	1 U	1 U	0.5 U	0.5 U	5 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
Chloroethane	5 U	5 U	50 U	50 U	5 U	5 U	5 U	5 U	50 U	10 U	5 U
Chloroform	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Chloromethane	5 U	5 U	50 U	50 U	5 U	5 U	5 U	5 U	50 U	10 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Dibromochloromethane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Dibromomethane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Dichlorodifluoromethane	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Dichloromethane (Methylene chloride)	5 U	10 U	100 U	100 U	10 U	10 U	5 U	5 U	50 U	10 U	3 U
Ethylbenzene	0.5 U	**0.319 J**	**3.58 J**	**3.72 J**	**0.6**	0.5 U	**0.62**	**0.69**	5 U	1 U	**0.501**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	50 U	50 U	5 U	5 U	5 U	5 U	50 U	10 U	5 U
Isopropylbenzene (Cumene)	**11.2**	**13.3**	10 U	10 U	**1.02**	**1.22**	**16.7**	**16.4**	**10.5**	**8.16**	**11.1**
m,p-Xylene	**0.862 J**	**0.8 J**	10 U	10 U	**0.53 J**	**0.58 J**	**2.01**	**1.94**	10 U	**1.16 J**	**1.31**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	100 U	100 U	10 U	10 U	10 U	10 U	100 U	20 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
n-Butylbenzene	**1.01**	**1.22**	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
n-Propylbenzene	**3.98**	**4.88**	5 U	5 U	**0.5**	**0.41 J**	**6.2**	**5.54**	**5.1**	**2.7**	**4.75**
o-Xylene	**0.811**	**1.14**	**2.81 J**	**2.98 J**	**0.48 J**	**0.42 J**	**0.79**	**1**	5 U	**0.64 J**	**0.616**
sec-Butylbenzene	**1.11**	**1.56**	10 U	10 U	1 U	1 U	**0.71 J**	**0.73 J**	10 U	2 U	**0.611 J**
Styrene	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
tert-Butylbenzene	1 U	1 U	10 U	10 U	1 U	1 U	1 U	1 U	10 U	2 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	4 U	4 U	0.4 U	0.4 U	0.5 U	0.5 U	5 U	1 U	0.5 U
Toluene	1 U	**1.5**	10 U	10 U	1 U	1 U	**0.75 J**	**0.65 J**	10 U	2 U	**0.582 J**
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	0.5 UJ	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	20 U	20 U	2 U	2 U	2 U	2 U	20 U	4 U	2 U
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.2 U	0.5 U	0.5 U	0.5 U	**0.732 J**	0.5 U
Total BTEX (U = 0)	**1.919 J**	**5753.759 J**	**2626.39 J**	**2706.7 J**	**110.61 J**	**38.8 J**	**5.02 J**	**4.82 J**	**11 J**	**3.32 J**	**3.441 J**
Total VOC (U = 0)	**30.351 J**	**5775.224 J**	**2626.39 J**	**2706.7 J**	**112.13 J**	**40.43 J**	**31.49 J**	**30.52 J**	**26.6 J**	**16.91 J**	**20.982 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene							--	--	--	--	--
1,2-Dichlorobenzene							--	--	--	--	--
1,3-Dichlorobenzene							--	--	--	--	--
1,4-Dichlorobenzene							--	--	--	--	--
1-Methylnaphthalene	**14**	**14.7**	**24.3**	**25.4**	**10.2**	**5.22**	**74.8**	**133**	**113**	**0.688**	**94.5**
2-Methylnaphthalene	**2.92**	**3.89**	**3.87 J**	**3.94**	**5.21 J**	**3.07**	**1.34**	**1.43**	**1.43**	**0.302**	2.78 U

Table 3
Laboratory Testing Results

Location ID	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-21U	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-092419-46	GS-092920-17	GS-090821-25	GS-090821-26	GS-091922-42	GS-031824-18	GS-031114-14	GS-100714-26	GS-031815-67	GS-092815-86	GS-031716-67
Sample Date	9/24/2019	9/29/2020	9/8/2021	9/8/2021	9/19/2022	3/18/2024	3/11/2014	10/7/2014	3/18/2015	9/28/2015	3/17/2016
Depth	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 ft	25–35 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
Sample Type	N	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623643.734	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705645.896	705645.896	705645.896	705645.896	705645.896	705645.896	705734.949	705734.949	705734.949	705734.949	705734.949
Acenaphthene	**44.8**	**52**	**52**	**52.3**	**30.7**	**23.7**	**43.2**	**44**	**51.3**	**1.03**	**41.8**
Acenaphthylene	0.798 U	3.98 U	3.78 U	1.11 U	3.69 U	1.02 U	**0.637**	**1.56**	**1.54**	**0.296**	**1.36 J**
Anthracene	**0.71**	**1.09**	3.78 U	**0.981**	3.69 U	**1.35**	**1.58**	**1.45**	**1.52**	**0.353**	**1.36 J**
Benzo(a)anthracene	**0.0713**	0.159 U	1.89 U	**0.044**	1.84 U	**0.0547**	**0.435**	**0.208**	**0.481**	**0.0789**	0.695 U
Benzo(a)pyrene	**0.0285**	0.159 U	1.89 U	**0.0109 J**	1.84 U	0.0181 U	**0.481**	**0.247**	**0.616**	**0.0602**	0.695 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.0351 J**	0.159 U	1.89 U	**0.0109 J**	1.84 U	**0.0109 J**	--	**0.215**	**0.532**	**0.0597 J**	0.695 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	**0.588**	--	--	--	--
Benzo(g,h,i)perylene	0.0319 U	0.318 U	3.78 U	0.0395 U	3.69 U	0.0362 U	**0.529**	**0.18 J**	**0.515 J**	**0.0449**	1.39 U
Benzo(k)fluoranthene	**0.0229 J**	0.159 U	1.89 U	**0.00988 J**	1.84 U	**0.0149 J**	--	0.157 U	**0.177 J**	**0.0275 J**	0.695 U
Carbazole	0.0319 U	0.318 U	3.78 U	**0.175**	3.69 U	--	**0.266**	**0.662**	0.675 U	**0.426**	1.39 U
Chrysene	**0.0374**	0.159 U	1.89 U	**0.0158 J**	1.84 U	**0.024**	**0.572**	**0.266**	**0.371**	**0.101**	**0.434 J**
Dibenzo(a,h)anthracene	**0.0125 J**	0.159 U	1.89 U	0.0198 U	1.84 U	0.0181 U	0.19 U	0.157 U	0.338 U	0.0174 U	0.695 U
Dibenzofuran	**1.3**	**1.77**	**2.45 J**	**2.14**	**2.86 J**	**2.91**	**1.28**	**1.24**	**1.51**	**0.102**	**0.904 J**
Fluoranthene	**0.859**	**1.23**	3.78 U	**0.861**	3.69 U	**1.15**	**2.46**	**1.53**	**1.9**	**0.692**	**1.34 J**
Fluorene	**3.85**	**5.75**	**4.77**	**4.45**	**4.29**	**4.81**	**7.21**	**7.38**	**8.04**	**0.611**	**5.2**
Indeno(1,2,3-c,d)pyrene	**0.0148 J**	0.159 U	1.89 U	0.0198 U	1.84 U	0.0181 U	**0.438**	**0.149 J**	**0.346**	**0.0375**	0.695 U
Naphthalene	**0.903**	1.99 U	7.55 U	**1.48**	7.37 U	0.339 U	**2.79**	**4.4**	**3.81**	**3.16**	2.29 U
Phenanthrene	**4.47**	**5.21**	**6.7 J**	**5.87**	**6.45 J**	**6.62**	**4.47**	**3.01**	**3.17**	**1.42**	**2.28 J**
Pyrene	**0.572**	**0.903**	3.78 U	**0.579**	3.69 U	**0.755**	**3.02**	**1.91**	**2.39**	**0.76**	**1.89**
Total PAH (17) (U = 0)	**59.3065 J**	**70.073**	**67.34 J**	**70.55248 J**	**46.65 J**	**41.5595 J**	**69.75**	**67.935 J**	**78.138 J**	**9.0337 J**	**55.664 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted							--	0.04 U	0.04 U	0.04 U	0.04 U
C10-C12 Aliphatics unadjusted							--	0.04 UJ	**0.11 J**	**0.092**	**0.22**
C12-C16 Aliphatics unadjusted							--	0.04 U	0.04 U	0.04 U	0.04 U
C16-C21 Aliphatics unadjusted							--	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted							--	0.04 U	0.04 U	0.04 U	0.04 U
C10-C12 Aromatics unadjusted							--	**0.064**	**0.07**	**0.051**	**0.058**
C8-C10 Aromatics unadjusted							--	**0.43**	**0.29**	**0.2**	**0.14**
C12-C16 Aromatics unadjusted							--	**0.15**	**0.17**	**0.14**	**0.17**
C16-C21 Aromatics unadjusted							--	**0.04**	**0.058**	**0.05**	**0.071**
C21-C34 Aromatics unadjusted							--	0.04 U	0.04 U	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)							--	--	--	--	--
n-Dodecane (C12)							--	--	--	--	--
n-Hexane (C6)							--	--	--	--	--
n-Octane (C8)							--	--	--	--	--
n-Pentane (C5)							--	--	--	--	--
C5-C6 Aliphatics unadjusted							--	0.05 U	0.05 U	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted							--	0.05 U	0.05 U	0.05 U	0.05 U
C8-C10 Aliphatics unadjusted							--	0.05 U	0.05 U	0.05 U	0.05 U
C10-C12 Aliphatics unadjusted							--	0.05 U	0.05 U	**0.13**	**0.085**
C10-C12 Aromatics unadjusted							--	**1**	**1.1**	**0.96**	**0.9**
C8-C10 Aromatics unadjusted							--	**0.053**	**0.058**	0.05 U	0.05 U
C12-C13 Aromatics unadjusted							--	**0.12**	**0.21**	**0.15**	**0.16**
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**1.03**	**1.62**	**1.48**	**1.51**	**1.02**	**0.963 J**	--	**0.922**	**2.59**	**2.04**	**1.88**
Gasoline-range hydrocarbons	**0.56**	**6.78**	**6.81**	**7.03**	**0.416**	**0.235**	--	**2.94**	**2.99**	**4.12**	**4.51**
Oil-range organics	0.374 U	**0.404**	0.374 U	0.374 U	0.385 U	0.385 U	--	0.392 U	0.396 U	0.426 U	0.385 U

Table 3
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	MW-23-27	MW-23-27
sys_sample_code	GS-100516-51	GS-101317-87	GS-092618-67	GS-093019-62	GS-121719-03	GS-031820-71	GS-061020-09	GS-102920-102	GS-120920-05	GS-032921-93	GS-061021-16
Sample Date	10/5/2016	10/13/2017	9/26/2018	9/30/2019	12/17/2019	3/18/2020	6/10/2020	10/29/2020	12/9/2020	3/29/2021	6/10/2021
Depth	17.7–27.7 ft	17.7–27.7 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	17.7–27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Conventional Parameters (mg/L)											
Cyanide	**0.0587**	**0.0585**	**0.0532**	**0.0544**	**0.0556**	**0.0556**	**0.0785**	**0.0328**	**0.0295**	**0.036**	**0.0334**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	**0.00215**	**0.00194 J**	0.002 U	0.002 U	**0.00112 J**	**0.00168 J**	0.004 U	0.002 UJ	0.002 U	**0.00166 J**
Cyanide, free	0.005 UJ	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	0.005 UJ
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**864**	**4470**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	**1.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	**2.16**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Barium	**66.6**	**159**	**47.1**	**47.7**	**48.9**	**12.4**	**12.6**	**37.9**	**35.1**	**48**	**50.5**
Beryllium	0.2 U	**0.289**	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	**0.244**	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	**1.59**	**9.1**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**7.29**	**32.3**	1 U	1 U	**0.82 J**	**1.13 J**	2 U	2 U	2 U	2 U	2 U
Iron	**32600**	**62000**	**27400**	**28900**	**28900**	**7440**	**7170**	**22700**	**4170**	**30400**	**30500**
Lead	**2.36**	**11.6**	0.2 U	0.2 U	0.2 U	**0.144 J**	**0.112 J**	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**4200**	**4720**	**3450**	**4080**	**3680**	**874**	**898**	**2870**	**2650**	**3370**	**3510**
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	0.08 U	0.08 U
Nickel	**2.63**	**18.8**	1 U	**0.535 J**	**1.14**	**1.18 J**	2 U	**1.27 J**	2 U	**1.15 J**	**1.1 J**
Potassium	--	--	**2840**	--	--	**1460**	--	--	--	--	--
Selenium	1 U	**1.77**	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	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	**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	0.2 U
Vanadium	**4.88**	**27.7**	1 U	**0.629 J**	**0.788 J**	**1.85 J**	**1.39 J**	**1.09 J**	2 U	2 U	2 U
Zinc	**8.63**	**46.8**	**3.49 J**	**3.27 J**	**4.16**	4 U	**2.04 J**	**3.5 J**	**3.71 J**	4 U	4 U
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	2 U	0.4 U	2 U	0.4 U	0.4 U	1 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.5 U	0.5 U	2 U	0.4 U	2 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	2.5 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)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	2.5 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	0.5 U	0.5 U	2 U	0.4 U	2 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	0.5 U	0.5 U	0.4 U	0.5 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	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	10 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	10 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**1.57**	**2.48**	5 U	**1.89**	5 U	**1.11**	**0.589 J**	**1.83**	**1.54**	**1.26**	**1.19**
1,2-Dibromo-3-chloropropane	5 U	5 U	25 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	2.5 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	0.5 U	0.5 U	2 U	0.4 U	2 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	0.5 U	0.5 U	0.4 U	0.5 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	0.5 U	0.5 U	0.4 U	0.5 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	2.5 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 U	**0.69 J**	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	2.5 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	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 3
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	MW-23-27	MW-23-27
sys_sample_code	GS-100516-51	GS-101317-87	GS-092618-67	GS-093019-62	GS-121719-03	GS-031820-71	GS-061020-09	GS-102920-102	GS-120920-05	GS-032921-93	GS-061021-16
Sample Date	10/5/2016	10/13/2017	9/26/2018	9/30/2019	12/17/2019	3/18/2020	6/10/2020	10/29/2020	12/9/2020	3/29/2021	6/10/2021
Depth	17.7–27.7 ft	17.7–27.7 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	17.7–27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
1,3-Dichloropropene, trans-	1 U	1 U	5 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U
1,4-Dichlorobenzene	0.5 U	0.5 U	2.5 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	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	100 U	20 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	--	2 U	10 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**1.02**	**0.51**	**0.59 J**	**3.04**	**2.18**	**9.15**	**23.5**	**34.5**	**56.7**	**14.3**	**4.23**
Bromobenzene	0.5 U	0.5 U	2.5 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	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	5 U	1 U	5 U	1 U	1 U	2 U	2 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	25 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	--	10 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	2.5 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	5 U	5 U	25 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	25 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Dichloromethane (Methylene chloride)	3 U	3 U	15 U	5 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	**0.658**	**0.9**	2.5 U	**0.833**	2.5 U	**0.633**	**0.525**	**0.93**	**0.901**	**0.625**	**0.644**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	25 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	**17.9**	**23.2**	**11.7**	**23.6**	**12.6**	**15.8**	**14.2**	**25.1**	**22.7**	**17.5**	**17.6**
m,p-Xylene	**1.7**	**2.4**	5 U	**2.27**	5 U	**1.8**	**1.47**	**2.58**	**2.45**	**1.84**	**1.82**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	50 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	**6.1**	**9.25**	**5.22**	**8.04**	**6.01**	**6.2**	**4.85**	**8.17**	**7.9**	**5.44**	**6.33**
o-Xylene	**0.905**	**1.26**	2.5 U	**1.23**	2.5 U	**0.865**	**0.717**	**1.51**	**1.24**	**0.878**	**1**
sec-Butylbenzene	**0.806 J**	**1.35**	5 U	**0.927 J**	5 U	**0.849 J**	**0.628 J**	**1.1**	**0.918 J**	**0.729 J**	**0.953 J**
Styrene	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	5 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.5 U	0.5 U	2 U	0.4 U	2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	**0.672 J**	**0.75 J**	5 U	**0.876 J**	5 U	**0.63 J**	**0.547 J**	**0.66 J**	**0.71 J**	**0.667 J**	**0.632 J**
Trichloroethene (TCE)	0.5 U	0.5 U	0.5 U	0.4 U	0.5 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	10 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	0.5 U	0.4 U	0.5 U	0.4 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)	**4.955 J**	**5.82 J**	**0.59 J**	**8.249 J**	**2.18**	**13.078 J**	**26.759 J**	**40.18 J**	**62.001 J**	**18.31 J**	**8.326 J**
Total VOC (U = 0)	**31.331 J**	**42.79 J**	**17.51 J**	**42.706 J**	**20.79**	**37.037 J**	**47.026 J**	**76.38 J**	**95.059 J**	**43.239 J**	**34.399 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**190**	**167**	**84.9**	**104**	**90.7**	**88.4**	**78.2**	**105**	**98.8**	**79.2 J**	**70.5**
2-Methylnaphthalene	67.7 U	**1.75 J**	**0.893**	**0.834**	**0.881**	**0.488**	0.0706 U	**0.874**	**0.892 J**	**0.675 J**	2.67 U

Table 3
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	MW-23-27	MW-23-27
sys_sample_code	GS-100516-51	GS-101317-87	GS-092618-67	GS-093019-62	GS-121719-03	GS-031820-71	GS-061020-09	GS-102920-102	GS-120920-05	GS-032921-93	GS-061021-16
Sample Date	10/5/2016	10/13/2017	9/26/2018	9/30/2019	12/17/2019	3/18/2020	6/10/2020	10/29/2020	12/9/2020	3/29/2021	6/10/2021
Depth	17.7–27.7 ft	17.7–27.7 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	17.7–27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Acenaphthene	**81.2**	**82.6**	**44.9**	**59.4**	**49.8**	**54.6**	**49.8**	**59**	**65.9**	**61.3 J**	**52.2**
Acenaphthylene	33.9 U	**8.73**	**1.73**	**0.771**	**0.802**	**0.776**	0.662 U	0.831 U	**1.55**	1.12 U	**1.77**
Anthracene	33.9 U	**2.39**	**0.995**	**1.3**	**1.27**	**1.18**	**0.88**	**1.42**	**1.37**	**1.29 J**	**1.35**
Benzo(a)anthracene	16.9 U	**1.02 J**	**0.143 J**	**0.0889**	**0.103**	**0.139**	**0.105**	**0.0783**	0.35 U	**0.0867 J**	0.668 U
Benzo(a)pyrene	16.9 U	**1.28**	0.18 U	**0.0293**	**0.0426**	**0.154**	**0.0939**	**0.0199**	0.35 U	**0.0326**	0.668 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	16.9 U	**1.04 J**	0.18 U	**0.0284**	**0.0402**	**0.091**	**0.0653**	**0.019**	0.35 U	**0.0281 J**	0.668 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	33.9 U	**1.28 J**	0.361 U	0.0351 U	**0.0219 J**	**0.132**	**0.0754**	0.038 U	0.7 U	0.0357 U	1.34 U
Benzo(k)fluoranthene	16.9 U	**0.416 J**	0.18 U	**0.0162 J**	**0.0291**	**0.0354 J**	**0.0256 J**	**0.0109 J**	0.35 U	**0.0107 J**	0.668 U
Carbazole	33.9 U	1.39 U	0.361 U	0.0456 U	0.0673 U	0.114 U	0.11 U	0.0439 U	0.7 U	0.0417 U	1.34 U
Chrysene	16.9 U	**0.987 J**	**0.0915 J**	**0.092**	**0.106**	**0.136**	**0.102**	**0.0892**	0.35 U	**0.0795 J**	0.668 U
Dibenzo(a,h)anthracene	16.9 U	0.693 U	0.18 U	0.0176 U	0.0179 U	**0.0113 J**	**0.011 J**	0.019 U	0.35 U	0.0179 U	0.668 U
Dibenzofuran	33.9 U	**1.65**	**1.03**	**0.81**	**0.725**	**0.692**	**0.531**	**0.72**	**0.822**	**0.524 J**	1.34 U
Fluoranthene	33.9 U	**2.91**	**1.06**	**1.19**	**1.31**	**1.35**	**1.12**	**1.55**	**1.66**	**1.51 J**	**1.47**
Fluorene	33.9 U	**10**	**6.48**	**6.39**	**7.01**	**5.34**	**4.85**	**8.02**	**9.87**	**6.89 J**	**7.65**
Indeno(1,2,3-c,d)pyrene	16.9 U	**1.16**	0.18 U	**0.0103 J**	**0.0172 J**	**0.0825**	**0.0454**	0.019 U	0.35 U	0.0179 U	0.668 U
Naphthalene	67.7 U	**4.56**	**1.1**	**1.02**	**0.96**	**0.938**	**1**	**1.14**	**1.67**	**1.03 J**	**1.74 J**
Phenanthrene	67.7 U	**2.36 J**	**0.818**	**0.737**	**1.18**	**0.753**	**0.592**	**0.908**	1.4 U	**1.06 J**	2.67 U
Pyrene	33.9 U	**3.97**	**1.17**	**1.34**	**1.46**	**1.68**	**1.36**	**1.84**	**1.98**	**1.73 J**	**1.85**
Total PAH (17) (U = 0)	**81.2**	**126.453 J**	**59.3805 J**	**73.2471 J**	**65.033 J**	**67.8862 J**	**60.1256 J**	**74.9693 J**	**84.892 J**	**75.7226 J**	**68.03 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	0.04 U	**0.289**	**0.013 J**	0.04 U	0.04 U	0.04 U	0.04 U	0.04 UJ	0.04 UJ	0.04 U	0.04 UJ
C10-C12 Aliphatics unadjusted	**0.354**	**0.029 J**	**0.285**	**0.398**	**0.423**	**0.25**	**0.151**	**0.382 J**	**0.321 J**	**0.275**	**0.234 J**
C12-C16 Aliphatics unadjusted	0.04 U	0.04 U	**0.005 J**	**0.009 J**	**0.053**	**0.011 J**	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
C16-C21 Aliphatics unadjusted	0.04 U	0.04 U	**0.009 J**	0.04 U	0.04 U	**0.011 J**	0.04 UJ	0.04 U	0.04 U	0.04 U	0.04 U
C21-C34 Aliphatics unadjusted	0.04 U	0.04 U	**0.13**	**0.069**	**0.16**	**0.116**	**0.042**	**0.072**	**0.103**	**0.065**	**0.07**
C10-C12 Aromatics unadjusted	**0.078**	**0.078**	**0.063**	**0.061**	**0.026 J**	**0.041**	0.04 U	**0.068**	**0.066**	**0.061**	**0.052 J**
C8-C10 Aromatics unadjusted	**0.213**	**0.262**	**0.153**	**0.141**	0.044 U	**0.085**	**0.058**	**0.143**	**0.15**	**0.136**	**0.094**
C12-C16 Aromatics unadjusted	**0.218**	**0.227**	**0.19**	**0.2**	**0.109**	**0.136**	**0.113**	**0.206**	**0.189**	**0.169**	**0.156 J**
C16-C21 Aromatics unadjusted	**0.05**	**0.069**	**0.062**	0.075 U	0.058 U	**0.059**	**0.079**	**0.101**	**0.094**	**0.087**	**0.079**
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	0.005 U	0.005 U	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	**0.013**	**0.009**	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	0.005 U	0.005 U	--	--	--	--	--	--	--	--
n-Octane (C8)	--	0.005 U	0.005 U	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	0.005 U	0.005 U	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
C6-C8 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
C8-C10 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
C10-C12 Aliphatics unadjusted	**0.486**	**0.904**	**0.666**	**0.812**	**0.644**	**0.38**	0.05 UJ	**0.374**	**0.175**	**0.557**	0.05 U
C10-C12 Aromatics unadjusted	**1.17**	**1.21**	**0.937**	**0.982**	**1.15**	**0.828 J**	**0.585 J**	**1.03**	**0.886**	**1.12**	0.05 U
C8-C10 Aromatics unadjusted	0.05 U	**0.065**	**0.05**	**0.066**	**0.064**	0.05 U	0.05 UJ	0.05 U	0.05 U	**0.055**	**0.051**
C12-C13 Aromatics unadjusted	**0.239**	**0.298**	**0.18**	**0.274**	**0.271**	**0.191**	**0.133 J**	**0.22**	**0.181**	**0.26**	0.05 U
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**2.55**	**3.25**	**1.92**	**1.52**	**1.14**	**1.45**	**0.851 J**	**1.32**	**1.03**	**2.71**	**2.19**
Gasoline-range hydrocarbons	**4.8**	**6.5**	**3.49**	**5.41**	**4.19**	**3.05**	**2.27**	**5.31**	**4.13**	**2.9**	**4.29**
Oil-range organics	0.388 U	0.381 U	**0.518**	**0.31 J**	**0.454**	0.377 U	0.377 U	**0.271 J**	**0.723**	**0.371 J**	0.377 U

Table 3
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	MW-23-27	MW-23-27
sys_sample_code	GS-100621-118	GS-121421-09	GS-031022-16	GS-061422-03	GS-101022-119	GS-121922-15	GS-041123-61	GS-061523-14	GS-092123-33	GS-121323-08	GS-032024-35
Sample Date	10/6/2021	12/14/2021	3/10/2022	6/14/2022	10/10/2022	12/19/2022	4/11/2023	6/15/2023	9/21/2023	12/13/2023	3/20/2024
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	17.7–27.73 ft	17.7–27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Conventional Parameters (mg/L)											
Cyanide	**0.0549**	**0.156**	**0.0874**	**0.151**	**0.143**	**0.169**	**0.148**	**0.247**	**0.163**	**0.222**	**0.141**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	**0.0038 J**	**0.00237**	**0.00566**	0.002 U	**0.0013 J**	0.002 U	**0.00139 J**	0.002 U	**0.00294**	**0.00207**
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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**32.3 J**	50 U	50 U
Antimony	1 U	1 U	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	1 U	1 U
Barium	**55.6**	**57.9**	**52.6**	**45.8**	**37**	**66.9**	**40.7**	**45.5**	**36.6**	**60.7**	**52.6**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 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	2 U	2 U	2 U	2 U	**1.82 J**	2 U
Iron	**33900**	**38100**	**32400**	**27800**	**21100**	**38100**	**27000**	**21400**	**20300**	**36000**	**32700**
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	**0.112 J**	**0.144 J**	**7.29**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**4140**	**4440**	**3930**	**3270**	**2590**	**4570**	**3240**	**2770**	**2480**	**4310**	**4030**
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	0.08 U	0.08 U
Nickel	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1 J**	2 U	**2.94**	**4.82**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**1.57 J**	2 U	2 U
Zinc	**4.44**	4 U	4 U	**2.66 J**	**3.95 J**	**4.42**	4 U	**3.96 J**	**3.39 J**	**2.77 J**	**2.09 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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**0.888 J**	1 U	1 U	1 U	**0.88 J**	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	5 U	5 U
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	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	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	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	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	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 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	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 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 U	1 U

Table 3
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	MW-23-27	MW-23-27
sys_sample_code	GS-100621-118	GS-121421-09	GS-031022-16	GS-061422-03	GS-101022-119	GS-121922-15	GS-041123-61	GS-061523-14	GS-092123-33	GS-121323-08	GS-032024-35
Sample Date	10/6/2021	12/14/2021	3/10/2022	6/14/2022	10/10/2022	12/19/2022	4/11/2023	6/15/2023	9/21/2023	12/13/2023	3/20/2024
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	17.7–27.73 ft	17.7–27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**2.83**	**0.64**	**0.38**	**0.31**	**0.41**	**0.49**	**0.33**	**0.2**	**0.15 J**	**0.18 J**	**0.13 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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	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	5 U	5 U
Carbon disulfide	10 U	10 U	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	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	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	5 U	5 U
Chloroform	1 U	1 U	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	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	1 U	1 U
Dibromochloromethane	1 U	1 U	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	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	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	10 U	10 U
Ethylbenzene	**0.611**	**0.568**	**0.61**	**0.58**	**0.74**	**0.88**	**0.67**	**0.49 J**	**0.43 J**	**0.37 J**	**0.26 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	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	5 U	5 U
Isopropylbenzene (Cumene)	**15.8**	**16.9**	**16.5**	**18.1**	**19.2**	**25.8**	**22.2**	**14.5**	**9.67**	**17**	**14.9**
m,p-Xylene	**1.72**	**1.58**	**1.58**	**1.55**	**2.08**	**2.21**	**1.56**	**0.69 J**	**0.79 J**	1 U	**0.55 J**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	**5.42**	**4.71**	**5.38**	**5.32**	**6.21**	**8.32**	**6.48**	**4.54**	**3.44**	**4.61**	**4.18**
o-Xylene	**1**	**0.77**	**0.8**	**0.81**	**1.07**	**1.31**	**1.22**	**0.62**	**0.71**	**0.79**	**0.94**
sec-Butylbenzene	**0.818 J**	**0.628 J**	**0.68 J**	**0.77 J**	**0.72 J**	**1.1**	**0.93 J**	**0.57 J**	1 U	**0.57 J**	**0.69 J**
Styrene	1 U	1 U	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	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	0.4 U	0.4 U
Toluene	**0.555 J**	**0.576 J**	**0.54 J**	**0.55 J**	**1.05**	**0.74 J**	**0.67 J**	**0.54 J**	1 U	**0.5 J**	1 U
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	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	2 U	2 U
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	0.2 U	0.2 U	0.2 U
Total BTEX (U = 0)	**6.716 J**	**4.134 J**	**3.91 J**	**3.8 J**	**5.35**	**5.63 J**	**4.45 J**	**2.54 J**	**2.08 J**	**1.84 J**	**1.88 J**
Total VOC (U = 0)	**29.642 J**	**26.372 J**	**26.47 J**	**27.99 J**	**32.36 J**	**40.85 J**	**34.06 J**	**22.15 J**	**15.19 J**	**24.02 J**	**21.65 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**75.6**	**45.5**	**37.1**	**34.5**	**70.1**	**54.4**	**28.4**	**25.9**	**33.5**	**24.1**	**10.2**
2-Methylnaphthalene	**0.664**	**0.133**	0.975 U	**0.245**	6.51 U	8.52 U	0.751 U	0.715 U	8.95 U	0.709 U	0.799 U

Table 3
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	MW-23-27	MW-23-27
sys_sample_code	GS-100621-118	GS-121421-09	GS-031022-16	GS-061422-03	GS-101022-119	GS-121922-15	GS-041123-61	GS-061523-14	GS-092123-33	GS-121323-08	GS-032024-35
Sample Date	10/6/2021	12/14/2021	3/10/2022	6/14/2022	10/10/2022	12/19/2022	4/11/2023	6/15/2023	9/21/2023	12/13/2023	3/20/2024
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	17.7–27.73 ft	17.7–27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Acenaphthene	**57.6**	**47.5**	**48.4**	**51.9**	**66.2**	**49.6**	**43.8**	**42.1**	**37.6**	**50.4**	**39**
Acenaphthylene	**0.927**	0.708 U	**3.14**	**1.65**	**3.46**	**5.32**	**1.5**	**1.68**	4.48 U	**5.65**	**1.41**
Anthracene	**0.837**	**1.16**	**1.33**	**1.16**	3.26 U	4.26 U	**1.08**	**0.934**	4.48 U	**1.2**	**0.869**
Benzo(a)anthracene	**0.0664**	**0.0761**	**0.14 J**	**0.0643**	1.63 U	2.13 U	**0.117 J**	0.179 U	2.24 U	**0.0886 J**	0.2 U
Benzo(a)pyrene	0.0302 U	**0.0269**	0.244 U	**0.0107 J**	1.63 U	2.13 U	0.188 U	0.179 U	2.24 U	0.177 U	0.2 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.0246**	**0.0255**	0.244 U	**0.0141 J**	1.63 U	2.13 U	0.188 U	0.179 U	2.24 U	0.177 U	0.2 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0402 U	0.0371 U	0.488 U	0.039 U	3.26 U	4.26 U	0.376 U	0.357 U	4.48 U	0.354 U	0.4 U
Benzo(k)fluoranthene	**0.0206**	**0.0158 J**	0.244 U	0.0195 U	1.63 U	2.13 U	0.188 U	0.179 U	2.24 U	0.177 U	0.2 U
Carbazole	0.126 U	0.0464 U	0.488 U	0.0584 U	3.26 U	4.26 U	0.376 U	0.357 U	--	--	--
Chrysene	**0.0664**	**0.0654**	0.244 U	**0.0721**	1.63 U	2.13 U	0.188 U	**0.103 J**	2.24 U	**0.102 J**	0.2 U
Dibenzo(a,h)anthracene	**0.0106 J**	0.0186 U	0.244 U	0.0195 U	1.63 U	2.13 U	0.188 U	0.179 U	2.24 U	0.177 U	0.2 U
Dibenzofuran	**0.377**	**0.27**	**0.384 J**	**0.229**	3.26 U	4.26 U	0.376 U	0.357 U	4.48 U	0.354 U	0.4 U
Fluoranthene	**0.965**	**1.41**	**1.25**	**1.2**	3.26 U	4.26 U	**1.09**	**1.14**	4.48 U	**1.15**	**0.939**
Fluorene	**6.14**	**5.71**	**7.34**	**7.14**	**9.07**	**8.36**	**7.08**	**6.88**	**6.16**	**7.58**	**6.67**
Indeno(1,2,3-c,d)pyrene	0.0201 U	0.0186 U	0.244 U	0.0195 U	1.63 U	2.13 U	0.188 U	0.179 U	2.24 U	0.177 U	0.2 U
Naphthalene	**1.37**	**0.721**	**1.65**	**0.901**	6.51 U	8.52 U	0.695 U	**1.18**	8.95 U	**0.912**	**0.459 J**
Phenanthrene	**0.737**	**0.468**	0.975 U	**0.475**	6.51 U	8.52 U	0.751 U	0.715 U	8.95 U	0.709 U	0.799 U
Pyrene	**1.15**	**1.6**	**1.46**	**1.44**	**1.83 J**	4.26 U	**1.3**	**1.37**	4.48 U	**1.46**	**1.14**
Total PAH (17) (U = 0)	**70.5786 J**	**58.9117 J**	**64.71 J**	**66.2722 J**	**80.56 J**	**63.28**	**55.967 J**	**55.387 J**	**43.76**	**68.5426 J**	**50.487 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	**0.037 J**	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	0.04 UJ	--	--	--
C10-C12 Aliphatics unadjusted	**0.607 J**	**0.05 J**	**0.206 J**	**0.282 J**	**0.215 J**	**0.519**	**0.514**	**0.491**	--	--	--
C12-C16 Aliphatics unadjusted	**0.022 J**	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.098**	--	--	--
C16-C21 Aliphatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--
C21-C34 Aliphatics unadjusted	**0.067**	**0.069**	**0.045**	**0.053**	**0.045**	**0.058**	**0.054**	**0.059**	--	--	--
C10-C12 Aromatics unadjusted	**0.083**	**0.057 J**	**0.065**	**0.043 J**	**0.057 J**	**0.049 J**	0.04 UJ	**R**	--	--	--
C8-C10 Aromatics unadjusted	**0.106**	**0.229**	**0.188**	**0.08**	**0.153**	**0.083**	**0.047**	**0.042**	--	--	--
C12-C16 Aromatics unadjusted	**0.283**	**0.103 J**	**0.156**	**0.125**	**0.145 J**	**0.179 J**	**0.139**	**0.079 J**	--	--	--
C16-C21 Aromatics unadjusted	**0.151**	**0.045**	**0.076**	**0.065**	**0.054**	**0.091**	**0.092**	**0.079**	--	--	--
C21-C34 Aromatics unadjusted	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	--	--	--
n-Dodecane (C12)	--	--	**0.008**	**0.009**	**0.008**	**0.012**	**0.011**	0.005 U	--	--	--
n-Hexane (C6)	--	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--
n-Octane (C8)	--	--	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 UJ	0.005 U	--	--	--
n-Pentane (C5)	--	--	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--	--	--
C5-C6 Aliphatics unadjusted	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--	--
C6-C8 Aliphatics unadjusted	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U	--	--	--
C8-C10 Aliphatics unadjusted	0.05 UJ	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	--	--	--
C10-C12 Aliphatics unadjusted	**0.495**	**0.293**	**0.437**	**0.363**	**0.598**	**0.69**	**0.541**	**0.452**	--	--	--
C10-C12 Aromatics unadjusted	**0.907**	**1.06 J**	**1.02**	**0.9**	**1.1**	**1.24**	**1.24**	**0.7**	--	--	--
C8-C10 Aromatics unadjusted	**0.038 J**	0.05 U	0.05 U	0.05 U	0.05 U	**0.059**	**0.052 J**	0.05 U	--	--	--
C12-C13 Aromatics unadjusted	**0.19**	**0.187**	**0.183**	**0.139**	**0.206**	**0.219**	**0.194**	**0.143**	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**2.44**	**1.21**	**2.19**	**1.9**	**1.39**	**1.4 J**	**2.15 J**	**1.84**	**2.26**	**2.12**	**1.86 J**
Gasoline-range hydrocarbons	**3.44**	**3.5**	**3.37**	**3.45**	**3.04**	**2.48 J**	**4.48 J**	**3.43**	**2.89**	**3.91**	**2.92 J**
Oil-range organics	**0.461**	**0.3 J**	**0.291 J**	**0.206 J**	0.381 U	**0.303 J**	0.385 U	0.396 U	0.392 U	**0.333 J**	0.388 U

Table 3
Laboratory Testing Results

Location ID	MW-23-27	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-061124-12	GS-051718-03	GS-082318-05	GS-121218-01	GS-121218-02	GS-031119-01	GS-061219-03	GS-061219-04	GS-071019-03	GS-090919-02	GS-121719-02
Sample Date	6/11/2024	5/17/2018	8/23/2018	12/12/2018	12/12/2018	3/11/2019	6/12/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019
Depth	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	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	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	705734.949	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Conventional Parameters (mg/L)											
Cyanide	**0.166**	**0.0429**	**0.0277**	**0.0356**	**0.0361**	**0.0325**	**0.0256**	**0.0235**	--	**0.0121**	**0.0165**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 U	**0.00205**	**0.00146 J**	**0.00145 J**	0.002 U	**0.00104 J**	0.002 U	--	0.002 U	0.002 U
Cyanide, free	0.005 U	**0.0307**	0.005 U	**0.00329 J**	**0.00354 J**	0.005 U	**0.0164**	**0.0178**	--	0.005 UJ	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	**164**	**75.4**	**52.6**	**54.9**	**76**	**30.8 J**	**31.8 J**	--	**50.5**	**37.5 J**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Arsenic	1 U	1 U	**1.35**	**0.668 J**	**0.689 J**	1 U	**0.502 J**	**0.509 J**	--	**0.969 J**	**0.562 J**
Barium	**33.2**	**11.8**	**12.3**	**17.7**	**17.8**	**13**	**11.5**	**11.6**	--	**10.3**	**14.7**
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	--	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	**0.092 J**	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	1 U	**0.669 J**	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	**1.16**	**2.02**	**0.877 J**	**0.968 J**	**1.08**	**1.7**	**1.1**	--	**1.78**	**1.67**
Iron	**22600**	**2650**	**11700**	**7310**	**7490**	**5260**	**2450**	**2440**	--	**4360**	**4150**
Lead	0.2 U	**0.444**	**0.22**	**0.139 J**	**0.189 J**	**0.204**	**0.128 J**	0.2 U	--	**0.125 J**	**0.102 J**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**2780**	**381**	**1180**	**915**	**922**	**398**	**242**	**235**	--	**343**	**472**
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	0.08 U
Nickel	2 U	**7.88**	**4.86**	**12**	**12.2**	**8.25**	**5.26**	**5.3**	--	**9.06**	**10.6**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	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	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	0.2 U
Vanadium	2 U	**1.74**	**3.42**	**1.67**	**1.73**	**1.14**	**1.05**	**1.09**	--	**1.43**	**2.73**
Zinc	4 U	**4.89**	**3.41 J**	**3.69 J**	**3.96 J**	**4.84**	**3.55 J**	**2.81 J**	--	**2.98 J**	**4.49**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.4 U	20 U	40 U	40 U	40 U	0.4 U	0.4 U	40 U	2 U	40 U	20 U
1,1,1-Trichloroethane	0.4 U	20 U	40 U	40 U	40 U	0.4 U	0.4 U	40 U	2 U	40 U	20 U
1,1,2,2-Tetrachloroethane	0.5 U	1 U	50 U	2 U	2 U	0.5 U	2 U	2 U	2.5 U	50 U	25 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	1 U	50 U	2 U	2 U	0.5 U	2 U	2 U	2.5 U	50 U	25 U
1,1-Dichloroethane	0.4 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	40 U	20 U
1,1-Dichloroethene	0.4 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	0.5 U	0.5 U
1,1-Dichloropropene	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
1,2,3-Trichlorobenzene	2 U	100 U	200 U	200 U	200 U	2 U	2 U	200 U	10 U	200 U	100 U
1,2,3-Trichloropropane	1 U	5 U	100 U	10 U	10 U	1 U	10 U	10 U	5 U	100 U	50 U
1,2,4-Trichlorobenzene	2 U	100 U	200 U	200 U	200 U	2 U	2 U	200 U	10 U	200 U	100 U
1,2,4-Trimethylbenzene	1 U	**14.4**	100 U	10 U	10 U	**1.67**	10 U	10 U	5 U	100 U	50 U
1,2-Dibromo-3-chloropropane	5 U	10 U	500 U	20 U	20 U	5 U	20 U	20 U	25 U	500 U	250 U
1,2-Dichlorobenzene	0.5 U	25 U	50 U	50 U	50 U	0.5 U	0.5 U	50 U	2.5 U	50 U	25 U
1,2-Dichloroethane	0.4 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	40 U	20 U
1,2-Dichloroethene, cis-	0.4 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	0.4 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	1 U	50 U	2 U	2 U	0.5 U	2 U	2 U	2.5 U	50 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	**6.66**	100 U	10 U	10 U	**0.67 J**	10 U	10 U	5 U	100 U	50 U
1,3-Dichlorobenzene	0.5 U	25 U	50 U	50 U	50 U	0.5 U	0.5 U	50 U	2.5 U	50 U	25 U
1,3-Dichloropropane	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
1,3-Dichloropropene, cis-	1 U	1 U	100 U	2 U	2 U	1 U	2 U	2 U	5 U	100 U	50 U

Table 3
Laboratory Testing Results

Location ID	MW-23-27	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-061124-12	GS-051718-03	GS-082318-05	GS-121218-01	GS-121218-02	GS-031119-01	GS-061219-03	GS-061219-04	GS-071019-03	GS-090919-02	GS-121719-02
Sample Date	6/11/2024	5/17/2018	8/23/2018	12/12/2018	12/12/2018	3/11/2019	6/12/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019
Depth	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	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	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	705734.949	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
1,3-Dichloropropene, trans-	1 U	1 U	100 U	2 U	2 U	1 U	2 U	2 U	5 U	100 U	50 U
1,4-Dichlorobenzene	0.5 U	25 U	50 U	50 U	50 U	0.5 U	0.5 U	50 U	2.5 U	50 U	25 U
2,2-Dichloropropane	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
2-Chlorotoluene	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
2-Hexanone (Methyl butyl ketone)	10 U	500 U	1000 U	1000 U	1000 U	10 U	10 U	1000 U	50 U	1000 U	500 U
4-Chlorotoluene	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	500 U	1000 U	1000 U	1000 U	10 U	10 U	1000 U	50 U	1000 U	500 U
Acetone	20 U	1000 U	2000 U	2000 U	2000 U	20 U	20 U	2000 U	100 U	2000 U	1000 U
Acrylonitrile	2 U	100 U	200 U	200 U	200 U	2 U	2 U	200 U	10 U	200 U	100 U
Benzene	**0.17 J**	**12100**	**45700**	**23600**	**26700**	**6190**	**8890**	**8250**	**9080**	**11800**	**5540**
Bromobenzene	0.5 U	25 U	50 U	50 U	50 U	0.5 U	0.5 U	50 U	2.5 U	50 U	25 U
Bromochloromethane	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Bromodichloromethane	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Bromoform (Tribromomethane)	1 U	50 U	100 U	100 U	100 U	1 U	4 U	100 U	5 U	100 U	50 U
Bromomethane (Methyl bromide)	5 U	250 U	500 U	500 U	500 U	5 U	5 UJ	500 U	25 U	500 U	250 U
Carbon disulfide	10 U	500 U	1000 U	1000 U	1000 U	10 U	10 U	1000 U	50 U	1000 U	500 U
Carbon tetrachloride (Tetrachloromethane)	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Chlorobenzene	0.5 U	25 U	50 U	50 U	50 U	0.5 U	0.5 U	50 U	2.5 U	50 U	25 U
Chloroethane	5 U	250 U	500 U	500 U	500 U	5 U	5 U	500 U	25 U	500 UJ	250 U
Chloroform	1 U	5 U	100 U	10 U	10 U	1 U	10 U	10 U	5 U	100 U	50 U
Chloromethane	5 U	250 U	500 U	500 U	500 U	5 U	5 U	500 U	25 U	500 U	250 U
Cymene, p- (4-Isopropyltoluene)	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Dibromochloromethane	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Dibromomethane	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Dichlorodifluoromethane	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 UJ	50 U
Dichloromethane (Methylene chloride)	10 U	150 U	300 U	300 U	300 U	3 U	3 U	300 U	15 U	500 U	250 U
Ethylbenzene	**0.28 J**	**25.1**	**96.2**	**20.9**	**21.9**	**14.4**	**14.5**	22 U	**13.9**	50 U	**14.8 J**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	1 U	50 U	2 U	2 U	0.5 U	2 U	2 U	2.5 U	50 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	250 U	500 U	500 U	500 U	5 U	5 U	500 U	25 U	500 U	250 U
Isopropylbenzene (Cumene)	**24**	50 U	100 U	100 U	100 U	**1.36**	**0.9 J**	100 U	5 U	100 U	50 U
m,p-Xylene	**0.57 J**	**93.3**	**272**	**60.6**	**63**	**39.1**	**36.4**	40 U	**31.4**	100 U	**37.7 J**
Methyl ethyl ketone (2-Butanone)	10 U	500 U	1000 U	1000 U	1000 U	10 U	10 U	1000 U	50 U	1000 U	500 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	100 U	2 U	2 U	1 U	2 U	2 U	5 U	100 U	50 U
n-Butylbenzene	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
n-Propylbenzene	**5.03**	25 U	50 U	50 U	50 U	0.5 U	0.5 U	50 U	2.5 U	50 U	25 U
o-Xylene	**1.53**	**37.8**	**109**	**28.4**	**29**	**25.8**	**19.6**	20 U	**16.9**	50 U	**18.4 J**
sec-Butylbenzene	**1.09**	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Styrene	1 U	50 U	100 U	100 U	100 U	**0.51 J**	1 U	100 U	5 U	100 U	50 U
tert-Butylbenzene	1 U	50 U	100 U	100 U	100 U	1 U	1 U	100 U	5 U	100 U	50 U
Tetrachloroethene (PCE)	0.4 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	40 U	20 U
Toluene	**0.53 J**	**455**	**2720**	**973**	**897**	**179**	**237**	**205**	**281**	**453**	**340**
Trichloroethene (TCE)	0.4 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	100 U	200 U	200 U	200 U	2 U	2 U	200 U	10 U	200 U	100 U
Vinyl chloride	0.2 U	1 U	40 U	2 U	2 U	0.4 U	2 U	2 U	2 U	0.5 U	0.5 U
Total BTEX (U = 0)	**3.08 J**	**12711.2**	**48897.2**	**24682.9**	**27710.9**	**6448.3**	**9197.5**	**8455**	**9423.2**	**12253**	**5950.9 J**
Total VOC (U = 0)	**33.2 J**	**12732.26**	**48897.2**	**24682.9**	**27710.9**	**6452.51 J**	**9198.4 J**	**8455**	**9423.2**	**12253 J**	**5950.9 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**7.66**	**64.6**	**33.6**	**6.89**	**6.31**	**3.03**	**2.5**	**2.45**	--	**3.16**	**2.67**
2-Methylnaphthalene	0.744 U	**65**	**30.6**	**3.12**	**3.27**	**1.81**	**1.35**	**1.29**	--	**1.51**	**1.63**

Table 3
Laboratory Testing Results

Location ID	MW-23-27	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-061124-12	GS-051718-03	GS-082318-05	GS-121218-01	GS-121218-02	GS-031119-01	GS-061219-03	GS-061219-04	GS-071019-03	GS-090919-02	GS-121719-02
Sample Date	6/11/2024	5/17/2018	8/23/2018	12/12/2018	12/12/2018	3/11/2019	6/12/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019
Depth	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	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	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	705734.949	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Acenaphthene	**47.1**	**113**	**53**	**7.94**	**7.73**	**3.23**	**2.54**	**2.56**	--	**3.76**	**2.74**
Acenaphthylene	**3.47**	**11.7**	**4.39**	**1.61**	**1.76**	**1.23**	**0.71**	**0.806**	--	**1.19**	**0.873**
Anthracene	**1.02**	**12.2**	**15.4**	**3.24**	**3.18**	**1.84**	**1.61**	**1.71**	--	**2.36**	**1.69**
Benzo(a)anthracene	**0.107 J**	**1.16 J**	**3.22**	**0.718 J**	**0.52 J**	**0.322 J**	**0.269**	**0.256**	--	**0.424**	**0.234**
Benzo(a)pyrene	0.186 U	**0.931 J**	**2.51**	**0.644 J**	**0.559 J**	**0.381**	**0.395**	**0.364**	--	**0.6**	**0.223**
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.186 U	**0.782 J**	**2.28 J**	**0.409 J**	**0.361 J**	**0.295 J**	**0.294**	**0.334**	--	**0.524 J**	**0.173**
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.372 U	**1.68**	**2.53**	**0.928 J**	1.35 U	**0.623 J**	**0.573**	**0.553**	--	**0.619**	**0.296 J**
Benzo(k)fluoranthene	0.186 U	**0.385 J**	**0.684 J**	0.676 U	0.675 U	**0.183 J**	**0.15 J**	**0.135 J**	--	**0.168 J**	**0.122 J**
Carbazole	--	**12**	**27.4**	**5.04**	**5.09**	**2**	**2.49**	**2.43**	--	**3.62**	**2.52**
Chrysene	0.186 U	**0.967 J**	**3.44**	**0.857 J**	**0.577 J**	**0.28 J**	**0.309**	**0.257**	--	**0.417**	**0.208**
Dibenzo(a,h)anthracene	0.186 U	0.656 U	**0.257 J**	**0.377 J**	0.675 U	0.342 U	0.169 U	0.168 U	--	0.162 U	0.159 U
Dibenzofuran	0.372 U	**44.4**	**21.4**	**2.4**	**2.61**	**0.86**	**0.725**	**0.76**	--	**1.22**	**0.847**
Fluoranthene	**1.14**	**20.7**	**32.1**	**4.12**	**3.87**	**1.9**	**1.75**	**1.78**	--	**2.43**	**1.58**
Fluorene	**7.89**	**54.8**	**31.8**	**4.13**	**4.3**	**1.35**	**1.21**	**1.29**	--	**1.94**	**1.34**
Indeno(1,2,3-c,d)pyrene	0.186 U	**1.28 J**	**2**	**0.877**	**0.473 J**	**0.352**	**0.389**	**0.406**	--	**0.503**	**0.247**
Naphthalene	**0.633 J**	**28.9**	**825**	**149**	**139**	**48.1**	**74.2**	**73.4**	--	**104**	**94.4**
Phenanthrene	0.744 U	**70.2**	**108**	**10.4**	**10.4**	**3.3**	**3.59**	**3.54**	--	**3.74**	**3.57**
Pyrene	**1.46**	**16.7**	**28.1**	**3.35**	**3.22**	**1.59**	**1.51**	**1.48**	--	**2.09**	**1.31**
Total PAH (17) (U = 0)	**62.82 J**	**400.385 J**	**1145.311 J**	**191.72 J**	**179.22 J**	**66.786 J**	**90.849 J**	**90.161 J**	--	**126.275 J**	**110.636 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**1.82 J**	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	**3.15 J**	--	--	--	--	--	--	--	--	--	--
Oil-range organics	**0.389**	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031220-40	GS-060920-04	GS-092220-02	GS-121620-15	GS-031121-25	GS-031121-26	GS-060821-06	GS-090221-14	GS-121521-19	GS-030922-08	GS-062022-18
Sample Date	3/12/2020	6/9/2020	9/22/2020	12/16/2020	3/11/2021	3/11/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022
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	6.1–16.1 ft	6.1–16.1 ft
Sample Type	N	N	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	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	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Conventional Parameters (mg/L)											
Cyanide	**0.0332**	**0.0148**	**0.0111**	**0.0222**	**0.0215**	**0.021**	**0.0136**	**0.0097**	**0.032**	**0.0138**	**0.008**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.00101 J**	0.002 U	**0.00128 J**	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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**208**	**49.6 J**	**63.6**	**163**	**346**	**275**	**56.8**	**54.7**	**83.8**	**291**	**46.6 J**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**1.01**	**0.768 J**	**0.977 J**	**0.582 J**	**0.816 J**	**0.828 J**	**0.699 J**	**0.894 J**	**0.871 J**	**0.843 J**	**0.729 J**
Barium	**9.45**	**11**	**10**	**11.5**	**9.25**	**9.14**	**9.08**	**9.75**	**10.8**	**9.21**	**10**
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	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	0.2 U
Calcium	--	--	--	--	--	--	--	**8540**	--	--	--
Chromium	**0.558 J**	1 U	**0.594 J**	**0.722 J**	1 U	1 U	2 U	--	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	**1.44**	--	--	--
Copper	**1.74 J**	**1.85 J**	**1.21 J**	**2.03**	**3.01**	**3.6**	**1.47 J**	**1.55 J**	**1.97 J**	**1.99 J**	**1.39 J**
Iron	**7260**	**2420**	**3120**	**3420**	**5370**	**5620**	**3270**	**3360**	**4130**	**5090**	**2800**
Lead	**0.347**	**0.154 J**	**0.176 J**	**1.83**	**0.493**	**0.525**	**0.212**	0.2 U	**0.24**	**0.379**	**0.14 J**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**467**	**230**	**280**	**353**	**350**	**350**	**247**	**248**	**286**	**295**	**207**
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	0.08 U	0.08 U
Nickel	**5.22**	**6.58**	**7.57**	**7.88 J**	**4.87**	**4.93**	**5.61**	**6.3**	**7.41**	**5.47**	**5.86**
Potassium	**1320**	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**2.8**	**1.78 J**	**3.18**	**1.39 J**	**2.71**	**2.91**	**1.32 J**	**1.42 J**	**1.39 J**	**2.85**	**1.49 J**
Zinc	**2.47 J**	**4.9**	**3.03 J**	**3.68 J**	**4.41**	**6.06**	**4.77**	4 U	**2.51 J**	**2.28 J**	**7.13**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	40 U	20 U	20 U	0.4 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U
1,1,1-Trichloroethane	40 U	20 U	20 U	0.4 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U
1,1,2,2-Tetrachloroethane	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
1,1-Dichloroethane	40 U	20 U	20 U	0.4 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U
1,1-Dichloroethene	40 U	20 U	20 U	0.4 U	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U
1,1-Dichloropropene	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
1,2,3-Trichlorobenzene	200 U	100 U	100 U	2 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U
1,2,3-Trichloropropane	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
1,2,4-Trichlorobenzene	200 U	100 U	100 U	2 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U
1,2,4-Trimethylbenzene	100 U	50 U	50 U	**2.19**	50 U	50 U	50 U	50 U	50 U	100 U	50 U
1,2-Dibromo-3-chloropropane	500 U	250 U	250 U	5 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U
1,2-Dichlorobenzene	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
1,2-Dichloroethane	40 U	20 U	20 U	0.4 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U
1,2-Dichloroethene, cis-	40 U	20 U	20 U	0.4 U	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U
1,2-Dichloroethene, trans-	40 U	20 U	20 U	0.4 U	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U
1,2-Dichloropropane	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	100 U	50 U	50 U	**0.782 J**	50 U	50 U	50 U	50 U	50 U	100 U	50 U
1,3-Dichlorobenzene	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
1,3-Dichloropropane	100 U	100 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
1,3-Dichloropropene, cis-	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U

Table 3
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031220-40	GS-060920-04	GS-092220-02	GS-121620-15	GS-031121-25	GS-031121-26	GS-060821-06	GS-090221-14	GS-121521-19	GS-030922-08	GS-062022-18
Sample Date	3/12/2020	6/9/2020	9/22/2020	12/16/2020	3/11/2021	3/11/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022
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	6.1–16.1 ft	6.1–16.1 ft
Sample Type	N	N	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	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	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
1,3-Dichloropropene, trans-	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
1,4-Dichlorobenzene	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
2,2-Dichloropropane	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 UJ	50 U	100 U	50 U
2-Chlorotoluene	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
2-Hexanone (Methyl butyl ketone)	1000 U	500 U	500 U	10 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U
4-Chlorotoluene	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000 U	500 U	500 U	10 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U
Acetone	2000 U	1000 U	1000 U	20 U	1000 U	1000 U	1000 U	1000 U	1000 U	2000 U	1000 U
Acrylonitrile	200 U	100 U	100 U	2 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U
Benzene	**12500**	**6160**	**5020**	**5860**	**10100**	**9540**	**6790**	**6570**	**7910**	**10700**	**3570**
Bromobenzene	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
Bromochloromethane	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Bromodichloromethane	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Bromoform (Tribromomethane)	100 U	50 U	50 U	2 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Bromomethane (Methyl bromide)	500 U	250 U	250 U	5 U	250 U	250 U	250 U	250 UJ	250 UJ	500 U	250 U
Carbon disulfide	1000 U	500 U	500 U	10 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U
Carbon tetrachloride (Tetrachloromethane)	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Chlorobenzene	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
Chloroethane	500 U	250 U	250 U	5 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U
Chloroform	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Chloromethane	500 U	250 U	250 U	5 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U
Cymene, p- (4-Isopropyltoluene)	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Dibromochloromethane	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Dibromomethane	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Dichlorodifluoromethane	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Dichloromethane (Methylene chloride)	1000 U	500 U	500 U	10 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U
Ethylbenzene	50 U	**14.5 J**	**13.2 J**	**19.7**	**25.6**	**25.6**	**20.9 J**	**19.5 J**	**24 J**	**31 J**	**20 J**
Ethylene dibromide (1,2-Dibromoethane)	50 U	25 U	25 U	1 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	250 U	250 U	5 U	250 U	250 U	250 U	250 U	250 U	500 U	250 U
Isopropylbenzene (Cumene)	100 U	50 U	50 U	**1.52**	50 U	50 U	50 U	50 U	50 U	100 U	50 U
m,p-Xylene	100 U	**34 J**	**32.4 J**	**57**	**63.6**	**63.1**	**51.3**	**39 J**	**63.5**	**59 J**	**40 J**
Methyl ethyl ketone (2-Butanone)	1000 U	500 U	500 U	10 U	500 U	500 U	500 U	500 U	500 U	1000 U	500 U
Methyl tert-butyl ether (MTBE)	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
n-Butylbenzene	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
n-Propylbenzene	50 U	25 U	25 U	0.5 U	25 U	25 U	25 U	25 U	25 U	50 U	25 U
o-Xylene	**25.3 J**	**16 J**	**16.4 J**	**32.3**	**29.8**	**30.6**	**24.6 J**	**18 J**	**27.5**	**33 J**	**20 J**
sec-Butylbenzene	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Styrene	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
tert-Butylbenzene	100 U	50 U	50 U	1 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U
Tetrachloroethene (PCE)	40 U	20 U	20 U	0.4 U	20 U	20 U	20 U	20 U	20 U	40 U	20 U
Toluene	**343**	**364**	**341**	**254**	**571**	**558**	**445**	**406**	**312**	**467**	**248**
Trichloroethene (TCE)	40 U	20 U	20 U	0.4 U	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	200 U	100 U	100 U	2 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U
Vinyl chloride	40 U	20 U	20 U	0.4 U	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U
Total BTEX (U = 0)	**12868.3 J**	**6588.5 J**	**5423 J**	**6223**	**10790**	**10217.3**	**7331.8 J**	**7052.5 J**	**8337 J**	**11290 J**	**3898 J**
Total VOC (U = 0)	**12868.3 J**	**6588.5 J**	**5423 J**	**6227.492 J**	**10790**	**10217.3**	**7331.8 J**	**7052.5 J**	**8337 J**	**11290 J**	**3898 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**7.58**	**3.98**	**3.23**	**4.14 J**	**6.82**	**5.64 J**	**4.55**	**5.61 J**	**5.27**	**7.43**	**7.47**
2-Methylnaphthalene	**6.34**	**1.78 J**	**2.86**	**3.48 J**	6.78 U	6.69 U	2.59 U	6.56 U	**3.08**	**2.74**	7.11 U

Table 3
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031220-40	GS-060920-04	GS-092220-02	GS-121620-15	GS-031121-25	GS-031121-26	GS-060821-06	GS-090221-14	GS-121521-19	GS-030922-08	GS-062022-18
Sample Date	3/12/2020	6/9/2020	9/22/2020	12/16/2020	3/11/2021	3/11/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022
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	6.1–16.1 ft	6.1–16.1 ft
Sample Type	N	N	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	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	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Acenaphthene	**6**	**2.83**	**3.17**	**4.51**	**4.45**	**4.35**	**3.32**	**4.47**	**5.62**	5.43 U	12.9 U
Acenaphthylene	**3.02**	**1.15 J**	**1.5**	3.31 U	**2.46 J**	**2.09 J**	**1.47**	**2.13 J**	**1.61**	**1.87**	**2.09 J**
Anthracene	**3.32**	**2.09**	**2.57**	**2.23 J**	**2.41 J**	**2.42 J**	**2.15**	**2.62 J**	**2.6**	**2.48**	3.56 U
Benzo(a)anthracene	**0.42 J**	**0.32 J**	**0.233**	1.66 U	1.69 U	1.67 U	0.647 U	1.64 U	**0.325**	**0.175 J**	1.78 U
Benzo(a)pyrene	**0.54 J**	**0.432 J**	**0.258**	1.66 U	1.69 U	1.67 U	0.647 U	1.64 U	**0.381**	**0.161 J**	1.78 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.8 U	0.64 U	**0.18**	1.66 U	1.69 U	1.67 U	0.647 U	1.64 U	**0.316 J**	**0.184 J**	1.78 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**2.26**	**0.816 J**	**0.462**	**1.86 J**	**2.2 J**	**2.13 J**	1.29 U	3.28 U	**1.04**	**0.812**	3.56 U
Benzo(k)fluoranthene	0.8 U	0.64 U	**0.0982 J**	1.66 U	1.69 U	1.67 U	0.647 U	1.64 U	**0.195 J**	0.189 U	1.78 U
Carbazole	**7.66**	**5.9**	**4.95**	**5.17**	**8.64**	**9.4**	**7.73**	**8.93**	**10.6**	**9.98**	**9.12**
Chrysene	0.8 U	0.64 U	**0.188**	1.66 U	1.69 U	1.67 U	0.647 U	1.64 U	**0.203 J**	**0.132 J**	1.78 U
Dibenzo(a,h)anthracene	0.8 U	0.64 U	0.164 U	1.66 U	1.69 U	1.67 U	0.647 U	1.64 U	0.325 U	0.189 U	1.78 U
Dibenzofuran	**1.94**	1.28 U	**1.16**	3.31 U	3.39 U	3.34 U	**0.728 J**	3.28 U	**1.58**	**1.17**	3.56 U
Fluoranthene	**2.76**	**1.6**	**1.67**	3.31 U	3.39 U	3.34 U	**1.13 J**	3.28 U	**1.77**	**1.24**	3.56 U
Fluorene	**2.72**	**1.82**	**1.73**	**1.82 J**	**2.29 J**	**2.38 J**	**1.7**	**2.38 J**	**2.43**	**2.55**	**2.22 J**
Indeno(1,2,3-c,d)pyrene	**1.42**	0.64 U	**0.327**	**0.952 J**	**1.44 J**	**1.17 J**	0.647 U	1.64 U	**0.828**	**0.567**	1.78 U
Naphthalene	**217**	**144**	**100**	**165**	**240**	**233**	**140**	**242**	**168**	**154**	**240**
Phenanthrene	**7.34**	**3.15**	**3.33**	**4.1 J**	**4.49 J**	**4.3 J**	**2.83**	**3.93 J**	**4.68**	**3.4**	7.11 U
Pyrene	**2.5**	**1.58**	**1.49**	3.31 U	3.39 U	3.34 U	**1.13 J**	3.28 U	**1.59**	**1.11**	3.56 U
Total PAH (17) (U = 0)	**255.64 J**	**161.568 J**	**120.0662 J**	**183.952 J**	**259.74 J**	**251.84 J**	**153.73 J**	**257.53 J**	**194.668 J**	**171.421 J**	**244.31 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-090722-02	GS-121422-02	GS-031323-10	GS-061323-01	GS-091123-02	GS-121323-09	GS-031824-21	GS-061124-13	GS-051718-04	GS-082218-02	GS-082218-03
Sample Date	9/7/2022	12/14/2022	3/13/2023	6/13/2023	9/11/2023	12/13/2023	3/18/2024	6/11/2024	5/17/2018	8/22/2018	8/22/2018
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	22–33 ft	22–33 ft	22–33 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	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	7623719.23	7623719.23	7623719.23
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	705298.71	705298.71	705298.71
Conventional Parameters (mg/L)											
Cyanide	**0.0098**	**0.0286**	**0.0123**	**0.0069**	**0.0284**	**0.0431**	**0.0399**	**0.009**	**0.15**	**0.149**	**0.145**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	**0.0312**	0.002 U	0.002 U	0.002 U	0.002 U	**0.00237**	**0.00237**
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	**0.0762**	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**87.2**	**163**	**204**	50 U	**62.5**	50 U	**23000**	**303**	**236**	**37.4 J**	**43.8 J**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**1.63**	**0.704 J**	**0.839 J**	**0.842 J**	**1.8**	1 U	**1.07**	**0.846 J**	**1.42**	**1.19**	**1.2**
Barium	**10.8**	**12.1**	**8.87**	**12**	**8.47**	**13.4**	**16**	**7.47**	**29.7**	**30.3**	**30.6**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.28**	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	**2.9**	2 U	2 U	**26.4**	2 U	**0.767 J**	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**1.63 J**	**1.65 J**	**1.38 J**	**1.05 J**	**2.51**	**1.01 J**	2 U	**1.33 J**	**1.41**	1 U	1 U
Iron	**3550**	**3870**	**5100**	**4380**	**4280**	**4700**	**63900**	**3080**	**16800**	**11800**	**11800**
Lead	0.2 U	**0.262**	**0.345**	0.2 U	**0.167 J**	0.2 U	0.2 U	**0.426**	**1.42**	**0.226**	**0.202**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**170**	**289**	**289**	**325**	**284**	**512**	**1880**	**241**	**2570**	**2150**	**2010**
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	0.08 U	0.08 U
Nickel	**6.18**	**7.67**	**3.65**	**6**	**5.31**	**7.63**	**35.5**	**4.65**	**7.2**	**0.732 J**	**0.758 J**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.88 J**	2 U	**2.42**	**1.3 J**	**2.67**	**1.13 J**	**20.6**	**2.6**	**2.57**	**1.53**	**1.52**
Zinc	4 UJ	**2.25 J**	**2.39 J**	4 U	**2.24 J**	4 U	**6**	4 U	**6.9**	**3.18 J**	**2.82 J**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	20 U	20 U	40 U	20 U	20 U	0.4 U	100 U	0.4 U	20 U	40 U	40 U
1,1,1-Trichloroethane	20 U	20 U	40 U	20 U	20 U	0.4 U	100 U	0.4 U	20 U	40 U	40 U
1,1,2,2-Tetrachloroethane	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	1 U	50 U	50 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	0.5 U	125 U	0.5 U	1 U	50 U	50 U
1,1-Dichloroethane	20 U	20 U	40 U	20 U	20 U	0.4 U	100 U	0.4 U	1 U	40 U	40 U
1,1-Dichloroethene	0.5 U	0.5 U	40 U	0.5 U	0.5 U	0.4 U	100 U	0.4 U	1 U	0.5 U	0.5 U
1,1-Dichloropropene	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
1,2,3-Trichlorobenzene	100 U	100 U	200 U	100 U	100 U	2 U	500 U	2 U	100 U	200 U	200 U
1,2,3-Trichloropropane	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	5 U	100 U	100 U
1,2,4-Trichlorobenzene	100 U	100 U	200 U	100 U	100 U	2 U	500 U	2 U	100 U	200 U	200 U
1,2,4-Trimethylbenzene	50 U	50 U	100 U	50 U	50 U	**3.66 J**	250 U	**2**	**131**	**54.3 J**	**53.2 J**
1,2-Dibromo-3-chloropropane	250 U	250 U	500 U	250 U	250 U	5 U	1250 U	5 U	10 U	500 U	500 U
1,2-Dichlorobenzene	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	25 U	50 U	50 U
1,2-Dichloroethane	20 U	20 U	40 U	20 U	20 U	0.4 U	100 U	0.4 U	1 U	40 U	40 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	40 U	0.5 U	0.5 U	0.4 U	100 U	0.4 U	1 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	40 U	0.5 U	0.5 U	0.4 U	100 U	0.4 U	1 U	0.5 U	0.5 U
1,2-Dichloropropane	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	1 U	50 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	50 U	50 U	100 U	50 U	50 U	**1.35**	250 U	**0.67 J**	**48.8**	100 U	100 U
1,3-Dichlorobenzene	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	25 U	50 U	50 U
1,3-Dichloropropane	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
1,3-Dichloropropene, cis-	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	1 U	100 U	100 U

Table 3
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-090722-02	GS-121422-02	GS-031323-10	GS-061323-01	GS-091123-02	GS-121323-09	GS-031824-21	GS-061124-13	GS-051718-04	GS-082218-02	GS-082218-03
Sample Date	9/7/2022	12/14/2022	3/13/2023	6/13/2023	9/11/2023	12/13/2023	3/18/2024	6/11/2024	5/17/2018	8/22/2018	8/22/2018
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	22–33 ft	22–33 ft	22–33 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	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	7623719.23	7623719.23	7623719.23
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	705298.71	705298.71	705298.71
1,3-Dichloropropene, trans-	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	1 U	100 U	100 U
1,4-Dichlorobenzene	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	25 U	50 U	50 U
2,2-Dichloropropane	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
2-Chlorotoluene	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
2-Hexanone (Methyl butyl ketone)	500 U	500 U	1000 U	500 U	500 U	10 U	2500 U	10 U	500 U	1000 U	1000 U
4-Chlorotoluene	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	500 U	1000 U	500 U	500 U	10 U	2500 U	10 U	500 U	1000 U	1000 U
Acetone	1000 U	1000 U	2000 U	1000 U	1000 U	20 U	5000 U	20 U	1000 U	2000 U	2000 U
Acrylonitrile	100 U	100 U	200 U	100 U	100 U	2 U	500 U	2 U	100 U	200 U	200 U
Benzene	**3340**	**5740**	**10200**	**6850**	**5230**	**4580**	**28000**	**2120**	**12600**	**7140**	**7370**
Bromobenzene	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	25 U	50 U	50 U
Bromochloromethane	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Bromodichloromethane	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Bromoform (Tribromomethane)	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Bromomethane (Methyl bromide)	250 UJ	250 U	500 U	250 U	250 U	5 U	1250 U	5 U	250 U	500 UJ	500 UJ
Carbon disulfide	500 U	500 U	1000 U	500 U	500 U	10 U	2500 U	10 U	500 U	1000 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Chlorobenzene	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	25 U	50 U	50 U
Chloroethane	250 U	250 U	500 U	250 U	250 U	5 U	1250 U	5 U	250 U	500 U	500 U
Chloroform	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	5 U	100 U	100 U
Chloromethane	250 U	250 U	500 UJ	250 U	250 UJ	5 U	1250 U	5 U	250 U	500 U	500 U
Cymene, p- (4-Isopropyltoluene)	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Dibromochloromethane	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Dibromomethane	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Dichlorodifluoromethane	50 U	50 U	100 UJ	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Dichloromethane (Methylene chloride)	500 U	500 U	1000 U	500 U	500 U	10 U	2500 U	10 U	150 U	300 U	300 U
Ethylbenzene	25 U	**17.5 J**	**38 J**	**31.5**	**28.5**	**29.6**	**77.5 J**	**11.1**	**697**	**410**	**441**
Ethylene dibromide (1,2-Dibromoethane)	25 U	25 U	50 U	25 U	25 U	0.5 U	125 U	0.5 U	1 U	50 U	50 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	250 U	500 U	250 U	250 U	5 U	1250 U	5 U	250 U	500 U	500 U
Isopropylbenzene (Cumene)	50 U	50 U	100 U	50 U	50 U	**2.21 J**	250 U	**1.69**	**37 J**	100 U	100 U
m,p-Xylene	50 U	**39.5 J**	**132**	**78**	**66**	**122**	**330**	**38.6 J**	**280**	**132**	**142**
Methyl ethyl ketone (2-Butanone)	500 U	500 U	1000 U	500 U	500 U	10 U	2500 U	10 U	500 U	1000 U	1000 U
Methyl tert-butyl ether (MTBE)	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	1 U	100 U	100 U
n-Butylbenzene	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
n-Propylbenzene	25 U	25 U	50 U	25 U	25 U	**0.26 J**	125 U	0.5 U	**23.6 J**	50 U	50 U
o-Xylene	25 U	**21.5 J**	**59**	**30.5**	**30**	**55.7**	**140**	**18.1**	**348**	**168**	**181**
sec-Butylbenzene	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Styrene	50 U	50 U	100 U	50 U	50 U	**0.61 J**	250 U	**1**	50 U	100 U	100 U
tert-Butylbenzene	50 U	50 U	100 U	50 U	50 U	1 U	250 U	1 U	50 U	100 U	100 U
Tetrachloroethene (PCE)	20 U	20 U	40 U	20 U	20 U	0.4 U	100 U	**0.55**	1 U	40 U	40 U
Toluene	**118**	**462**	**965**	**546**	**480**	**422**	**3690**	**183**	**63.5**	100 U	100 U
Trichloroethene (TCE)	0.5 U	0.5 U	40 U	0.5 U	0.5 U	0.4 U	100 U	0.4 U	1 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	100 U	200 U	100 U	100 U	2 U	500 U	2 U	100 U	200 U	200 U
Vinyl chloride	0.5 U	0.5 U	40 U	0.5 U	0.5 U	0.2 U	50 U	0.2 U	1 U	0.5 U	0.5 U
Total BTEX (U = 0)	**3458**	**6280.5 J**	**11394 J**	**7536**	**5834.5**	**5209.3**	**32237.5 J**	**2370.8 J**	**13988.5**	**7850**	**8134**
Total VOC (U = 0)	**3458 J**	**6280.5 J**	**11394 J**	**7536**	**5834.5 J**	**5217.39 J**	**32237.5 J**	**2376.71 J**	**14228.9 J**	**7904.3 J**	**8187.2 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**4.26**	**5.76 J**	**4.64**	**4.68 J**	**4.8 J**	**6.82**	**19.4**	**5.04**	**507**	**301**	**305**
2-Methylnaphthalene	**2.05**	6.54 U	**3.8**	6.62 U	6.51 U	**3.08**	**25.7**	**2.96**	**650**	**263**	**260**

Table 3
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-090722-02	GS-121422-02	GS-031323-10	GS-061323-01	GS-091123-02	GS-121323-09	GS-031824-21	GS-061124-13	GS-051718-04	GS-082218-02	GS-082218-03
Sample Date	9/7/2022	12/14/2022	3/13/2023	6/13/2023	9/11/2023	12/13/2023	3/18/2024	6/11/2024	5/17/2018	8/22/2018	8/22/2018
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	22–33 ft	22–33 ft	22–33 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	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	7623719.23	7623719.23	7623719.23
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	705298.71	705298.71	705298.71
Acenaphthene	**3.62 J**	**4.37 J**	**4.73**	5.18 U	**5.29 J**	**6.95 J**	**8.79**	**4.45 J**	**300**	**267**	**271**
Acenaphthylene	**1.71**	3.27 U	**1.59 J**	3.31 U	**1.71 J**	1.24 U	**2.37 J**	**1.77**	**26.4**	**5.8**	**6.3**
Anthracene	**2.66**	**2.94 J**	**2.05**	**1.9 J**	**2.52 J**	**1.63**	3.64 U	**1.44**	**22.8**	**12.8**	**13.6**
Benzo(a)anthracene	**0.206**	1.63 U	0.893 U	1.66 U	1.63 U	0.332 U	1.82 U	**0.3 J**	**7.35**	**1.11 J**	**0.946 J**
Benzo(a)pyrene	**0.234**	1.63 U	0.893 U	1.66 U	**0.813 J**	0.332 U	1.82 U	**0.484**	**10.1**	1.68 U	1.66 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.24**	1.63 U	0.893 U	1.66 U	**0.813 J**	0.332 U	1.82 U	**0.476**	**8.58**	1.68 U	1.66 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**0.836**	3.27 U	**1.21 J**	3.31 U	3.25 U	**0.365 J**	3.64 U	**1.67**	**9.11**	3.35 U	3.32 U
Benzo(k)fluoranthene	**0.0855 J**	1.63 U	0.893 U	1.66 U	1.63 U	0.332 U	1.82 U	0.334 U	**3.06 J**	1.68 U	1.66 U
Carbazole	**6.21**	**9.15**	**8.08**	**6.62**	--	--	--	--	**177**	**63.6**	**63.9**
Chrysene	**0.206**	1.63 U	0.893 U	1.66 U	1.63 U	0.332 U	1.82 U	**0.284 J**	**8.74**	**0.859 J**	**1.08 J**
Dibenzo(a,h)anthracene	**0.0438 J**	1.63 U	0.893 U	1.66 U	1.63 U	0.332 U	1.82 U	0.334 U	**0.965 J**	1.68 U	1.66 U
Dibenzofuran	**1.22**	3.27 U	**1.12 J**	3.31 U	3.25 U	**1.33**	**2.1 J**	**1.05**	**14.7**	**14.6**	**14.2**
Fluoranthene	**1.23**	3.27 U	**1.34 J**	3.31 U	**2.36 J**	**1.26**	3.64 U	**1.16**	**53.5**	**21.2**	**21.4**
Fluorene	**2.14**	**2.45 J**	**1.99**	**2.03 J**	**2.77 J**	**2.79**	**4.14**	**2.51**	**81.2**	**73**	**74.4**
Indeno(1,2,3-c,d)pyrene	**0.54**	**0.858 J**	**0.782 J**	1.66 U	**0.854 J**	**0.274 J**	1.82 U	**1.06**	**7.76**	1.68 U	1.66 U
Naphthalene	**98.9**	**199**	**207**	**173**	**235**	**84.5**	**661**	**168**	**1620**	**777**	**758**
Phenanthrene	**3.17**	**4.09 J**	**4.02**	**3.31 J**	**4.31 J**	**4.47**	**5.33 J**	**2.81**	**161**	**105**	**108**
Pyrene	**1.15**	3.27 U	**1.32 J**	3.31 U	**2.52 J**	**1.26**	3.64 U	**1.15**	**57.9**	**21.5**	**21.5**
Total PAH (17) (U = 0)	**119.0213 J**	**213.708 J**	**229.832 J**	**180.24 J**	**258.96 J**	**106.579 J**	**707.33 J**	**190.524 J**	**3028.465 J**	**1548.269 J**	**1536.226 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	**0.902 J**	**0.963**	**1.8 J**	**0.868 J**	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	**19.3**	**15.6**	**102**	**5.3**	--	--	--
Oil-range organics	--	--	--	--	0.381 U	0.396 U	0.385 U	0.381 U	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-121218-03	GS-031119-03	GS-031119-04	GS-061219-02	GS-071019-02	GS-090919-03	GS-121719-04	GS-031220-46	GS-060920-06	GS-092220-03	GS-121020-12
Sample Date	12/12/2018	3/11/2019	3/11/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020
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	22–33 ft	22–33 ft
Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Conventional Parameters (mg/L)											
Cyanide	**0.313**	**0.138**	**0.135**	**0.0208**	--	**0.22**	**0.289**	**0.324**	**0.288**	**0.323**	**0.389**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00132 J**	**0.00124 J**	**0.00108 J**	**0.00225**	--	0.002 U	0.002 U	**0.00233**	**0.00196 J**	**0.00104 J**	**0.00131 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	**0.00876**	--	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**53.3**	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	1 U
Arsenic	**1.04**	**0.727 J**	**0.658 J**	**0.59 J**	--	**0.601 J**	**0.679 J**	**0.656 J**	**0.752 J**	**0.688 J**	**0.662 J**
Barium	**50.6**	**28.7**	**27.7**	**27.5**	--	**27.2**	**31.7**	**30.4**	**29.7**	**32.8**	**34.6**
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	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	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	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	**0.882 J**	2 U	2 U	2 U	2 U
Iron	**17300**	**22200**	**21600**	**25300**	--	**24500**	**27300**	**30200**	**29500**	**31500**	**35100**
Lead	**0.29**	0.2 U	0.2 U	**0.114 J**	--	0.2 U	**0.1 J**	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3460**	**2950**	**3020**	**3170**	--	**3460**	**3820**	**4170**	**3540**	**3850**	**4110**
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	0.08 U
Nickel	**0.768 J**	1 U	1 U	1 U	--	1 U	1 U	2 U	2 U	2 U	2 U
Potassium	--	--	--	--	--	--	--	**567**	--	--	--
Selenium	1 U	**0.656 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	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	0.2 U
Vanadium	**1.66**	**0.951 J**	**0.956 J**	**0.859 J**	--	**0.689 J**	**0.751 J**	2 U	2 U	2 U	2 U
Zinc	4 U	**2.47 J**	**2.33 J**	4 U	--	4 U	4 U	4 U	4 U	4 U	4 U
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	10 U	40 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	20 U	40 U
1,1,1-Trichloroethane	10 U	40 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	20 U	40 U
1,1,2,2-Tetrachloroethane	0.2 U	50 U	50 U	2 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.2 U	50 U	50 U	2 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
1,1-Dichloroethane	0.2 U	40 U	40 U	2 U	20 U	40 U	40 U	40 U	40 U	20 U	40 U
1,1-Dichloroethene	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U	0.5 U	40 U	40 U	20 U	40 U
1,1-Dichloropropene	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
1,2,3-Trichlorobenzene	50 U	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	100 U	200 U
1,2,3-Trichloropropane	1 U	100 U	100 U	10 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
1,2,4-Trichlorobenzene	50 U	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	100 U	200 U
1,2,4-Trimethylbenzene	**17.6**	**192**	**181**	**137**	**232**	**159**	**197**	**185**	**170**	**247**	**160**
1,2-Dibromo-3-chloropropane	2 U	500 U	500 U	20 U	250 U	500 U	500 U	500 U	500 U	250 U	500 U
1,2-Dichlorobenzene	12.5 U	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
1,2-Dichloroethane	0.2 U	40 U	40 U	2 U	20 U	40 U	40 U	40 U	40 U	20 U	40 U
1,2-Dichloroethene, cis-	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U	0.5 U	40 U	40 U	20 U	40 U
1,2-Dichloroethene, trans-	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U	0.5 U	40 U	40 U	20 U	40 U
1,2-Dichloropropane	0.2 U	50 U	50 U	2 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	**9.16**	**70 J**	**65 J**	**73.9**	**78.4**	**56 J**	**73.5 J**	**63.2 J**	**57 J**	**79.7**	**51.4 J**
1,3-Dichlorobenzene	12.5 U	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
1,3-Dichloropropane	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	200 U	50 U	100 U
1,3-Dichloropropene, cis-	0.2 U	100 U	100 U	2 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-121218-03	GS-031119-03	GS-031119-04	GS-061219-02	GS-071019-02	GS-090919-03	GS-121719-04	GS-031220-46	GS-060920-06	GS-092220-03	GS-121020-12
Sample Date	12/12/2018	3/11/2019	3/11/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020
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	22–33 ft	22–33 ft
Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
1,3-Dichloropropene, trans-	0.2 U	100 U	100 U	2 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
1,4-Dichlorobenzene	12.5 U	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
2,2-Dichloropropane	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
2-Chlorotoluene	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
2-Hexanone (Methyl butyl ketone)	250 U	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	500 U	1000 U
4-Chlorotoluene	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	250 U	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	500 U	1000 U
Acetone	500 U	2000 U	2000 U	2000 U	1000 U	2000 U	2000 U	2000 U	2000 U	1000 U	2000 U
Acrylonitrile	50 U	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	100 U	200 U
Benzene	**2180**	**13300**	**13800**	**19100**	**14300**	**11200**	**9050**	**7090**	**7740**	**5420**	**4590**
Bromobenzene	12.5 U	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
Bromochloromethane	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Bromodichloromethane	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Bromoform (Tribromomethane)	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	200 U
Bromomethane (Methyl bromide)	125 U	500 U	500 U	500 U	250 U	500 U	500 U	500 U	500 U	250 U	500 U
Carbon disulfide	250 U	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	500 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Chlorobenzene	12.5 U	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	25 U	50 U
Chloroethane	125 U	500 U	500 U	500 U	250 U	500 UJ	500 U	500 U	500 U	250 U	500 U
Chloroform	1 U	100 U	100 U	10 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Chloromethane	125 U	500 U	500 U	500 U	250 U	500 U	500 U	500 U	500 U	250 U	500 U
Cymene, p- (4-Isopropyltoluene)	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Dibromochloromethane	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Dibromomethane	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Dichlorodifluoromethane	25 U	100 U	100 U	100 U	50 U	100 UJ	100 U	100 U	100 U	50 U	100 U
Dichloromethane (Methylene chloride)	75 U	300 U	300 U	300 U	150 U	500 U	500 U	1000 U	1000 U	500 U	1000 U
Ethylbenzene	**76.8**	**841**	**831**	**790**	**1050**	**963**	**1160**	**951**	**1010**	**1200**	**1100**
Ethylene dibromide (1,2-Dibromoethane)	0.2 U	50 U	50 U	2 U	25 U	50 U	50 U	50 U	50 U	25 U	100 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	125 U	500 U	500 U	500 U	250 U	500 U	500 U	500 U	500 U	250 U	500 U
Isopropylbenzene (Cumene)	25 U	**51 J**	100 U	100 U	**47.2 J**	100 U	100 U	100 U	**50 J**	**48.7 J**	100 U
m,p-Xylene	**26.7**	**480**	**451**	**437**	**684**	**456**	**516**	**550**	**481**	**457**	**292**
Methyl ethyl ketone (2-Butanone)	250 U	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	500 U	1000 U
Methyl tert-butyl ether (MTBE)	0.2 U	100 U	100 U	2 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
n-Butylbenzene	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
n-Propylbenzene	12.5 U	**36 J**	**34 J**	**25 J**	**32.6**	**25.5 J**	**39.1 J**	**27.6 J**	**28 J**	**31.6**	**25.2 J**
o-Xylene	**31.8**	**410**	**407**	**304**	**490**	**324**	**396**	**312**	**256**	**306**	**210**
sec-Butylbenzene	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Styrene	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
tert-Butylbenzene	25 U	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	50 U	100 U
Tetrachloroethene (PCE)	0.2 U	40 U	40 U	2 U	20 U	40 U	40 U	40 U	40 U	20 U	40 U
Toluene	**10**	**89 J**	**104**	**123**	**111**	**95.6 J**	**125**	**81.5 J**	**90 J**	**53.6**	**52.1 J**
Trichloroethene (TCE)	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U	0.5 U	40 U	40 U	20 U	40 U
Trichlorofluoromethane (Fluorotrichloromethane)	50 U	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	100 U	200 U
Vinyl chloride	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U	0.5 U	40 U	40 U	20 U	40 U
Total BTEX (U = 0)	**2325.3**	**15120 J**	**15593**	**20754**	**16635**	**13038.6 J**	**11247**	**8984.5 J**	**9577 J**	**7436.6**	**6244.1 J**
Total VOC (U = 0)	**2352.06**	**15469 J**	**15873 J**	**20989.9 J**	**17025.2 J**	**13279.1 J**	**11556.6 J**	**9260.3 J**	**9882 J**	**7843.6 J**	**6480.7 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**239**	**696**	**662**	**799**	--	**737**	**848**	**882**	**1030**	**921**	**544**
2-Methylnaphthalene	**114**	**940**	**873**	**1100**	--	**1020**	**1200**	**1280**	**1450**	**1310**	**763**

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-121218-03	GS-031119-03	GS-031119-04	GS-061219-02	GS-071019-02	GS-090919-03	GS-121719-04	GS-031220-46	GS-060920-06	GS-092220-03	GS-121020-12
Sample Date	12/12/2018	3/11/2019	3/11/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020
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	22–33 ft	22–33 ft
Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Acenaphthene	**309**	**258**	**247**	**277**	--	**270**	**261**	**279**	**303**	**259**	**193**
Acenaphthylene	**12.6**	**14.2**	**7.2**	14.2 U	--	**11.4**	**14.2**	32.3 U	12 U	16.1 U	8.47 U
Anthracene	**15.2**	**10.7**	**13.1**	**10.3 J**	--	**9.44**	**11.8**	32.3 U	**11.6**	**11.2 J**	**6.78 J**
Benzo(a)anthracene	**2.03 J**	3.28 U	3.39 U	6.45 U	--	4.35 U	**3.18 J**	16.1 U	**1.15**	8.03 U	4.24 U
Benzo(a)pyrene	**1.99**	3.28 U	3.39 U	6.45 U	--	4.35 U	**3.25**	16.1 U	**0.561 J**	8.03 U	4.24 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**1.44 J**	3.28 U	3.39 U	6.45 U	--	4.35 U	3.22 U	16.1 U	**0.337 J**	8.03 U	4.24 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**1.76**	6.56 U	6.78 U	12.9 U	--	8.69 U	6.44 U	32.3 U	1.28 U	16.1 U	8.47 U
Benzo(k)fluoranthene	**0.756 J**	3.28 U	3.39 U	6.45 U	--	4.35 U	3.22 U	16.1 U	0.641 U	8.03 U	4.24 U
Carbazole	**44.2**	**128**	**115**	**145**	--	**146**	**129**	**123**	**197**	**175**	**164**
Chrysene	**2.27 J**	3.28 U	3.39 U	6.45 U	--	4.35 U	**2.42 J**	16.1 U	**0.769**	8.03 U	4.24 U
Dibenzo(a,h)anthracene	0.645 U	3.28 U	3.39 U	6.45 U	--	4.35 U	3.22 U	16.1 U	0.641 U	8.03 U	4.24 U
Dibenzofuran	**14.1**	**15.7**	**15.2**	**19.5**	--	**18.6**	**18**	**22.2 J**	**23.4**	**22.5**	**13.3**
Fluoranthene	**24.6**	**21.1**	**21**	**19.4**	--	**19.8**	**22.9**	32.3 U	**20.8**	**23.5**	**11.1**
Fluorene	**75.9**	**62.1**	**60.5**	**71.3**	--	**69**	**67.5**	**73.8**	**83.7**	**77.1**	**49.6**
Indeno(1,2,3-c,d)pyrene	**1.51**	3.28 U	3.39 U	6.45 U	--	4.35 U	**2.13 J**	16.1 U	0.641 U	8.03 U	4.24 U
Naphthalene	**709**	**1190**	**1030**	**2970**	--	**2400**	**2420**	**4440**	**4690**	**3680**	**2520**
Phenanthrene	**95.3**	**96.5**	**93.1**	**105**	--	**107**	**110**	**122**	**126**	**113**	**67.2**
Pyrene	**24.2**	**21.8**	**20.9**	**19.9**	--	**20**	**23.9**	**16.1 J**	**22.4**	**26.1**	**12**
Total PAH (17) (U = 0)	**1391.556 J**	**2614.4**	**2365.8**	**4572.9 J**	--	**3926.64**	**4142.28 J**	**6210.9 J**	**6710.317 J**	**5499.9 J**	**3622.68 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-030421-07	GS-060721-02	GS-090121-02	GS-121321-05	GS-121321-06	GS-030822-04	GS-061622-13	GS-090722-07	GS-121422-07	GS-030823-04	GS-061323-04
Sample Date	3/4/2021	6/7/2021	9/1/2021	12/13/2021	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	3/8/2023	6/13/2023
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	22–33 ft	22–33 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Conventional Parameters (mg/L)											
Cyanide	**0.312**	**0.273**	**0.26 J**	**0.324**	**0.335**	**0.327 J**	**0.212**	**0.203**	**0.246**	**0.269 J**	**0.261**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	**0.00182 J**	0.002 U	**0.00224 J**	**0.00212 J**	**0.00321**	**0.00312**	0.002 U	0.002 U	0.002 U	**0.00274**
Cyanide, free	0.005 U	0.005 UJ	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	**1870**	50 U	50 U	50 U	**25.8 J**	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.687 J**	**0.648 J**	**0.633 J**	**0.746 J**	**0.678 J**	**1.4**	**0.8 J**	**0.681 J**	**0.768 J**	**0.796 J**	**0.698 J**
Barium	**30.9**	**32.5**	**33.3**	**32.9**	**32.7**	**46.3**	**29.7**	**28.3**	**35.4**	**31.6**	**28.3**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	2 U	2 U	2 U	2 U	**4.97**	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	**4.9**	2 U	**1.32 J**	2 U	2 U	2 U
Iron	**32300**	**35000**	**35300**	**37400**	**36700**	**36600**	**31500**	**29200**	**37200**	**34500**	**28900**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**8.54**	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3540**	**3730**	**3770**	**3810**	**3980**	**3760**	**3190**	**3170**	**3810**	**4100**	**3350**
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	0.08 U	0.08 U
Nickel	2 U	2 U	2 U	2 U	2 U	**12.2**	2 U	2 U	2 U	2 U	2 U
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	**10.7**	2 U	2 U	20 U	2 U	2 U
Zinc	**6.27**	4 U	**4.03**	**2.85 J**	**2.61 J**	**29.9**	**2.24 J**	4 UJ	**2.23 J**	**3.25 J**	**2.81 J**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	20 U	20 U	20 U
1,1,1-Trichloroethane	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
1,1-Dichloroethane	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	20 U	20 U	20 U
1,1-Dichloroethene	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	0.5 U	20 U	0.5 U
1,1-Dichloropropene	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
1,2,3-Trichlorobenzene	200 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U
1,2,3-Trichloropropane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
1,2,4-Trichlorobenzene	200 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	**144**	**191**	**149**	**169**	**172**	**114**	**140**	**123**	**86.5**	**161**	**106**
1,2-Dibromo-3-chloropropane	500 U	500 U	500 U	500 U	500 U	500 U	250 U	250 U	250 U	250 U	250 U
1,2-Dichlorobenzene	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
1,2-Dichloroethane	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	20 U	20 U	20 U
1,2-Dichloroethene, cis-	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	0.5 U	20 U	0.5 U
1,2-Dichloroethene, trans-	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	0.5 U	20 U	0.5 U
1,2-Dichloropropane	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	**57 J**	**71 J**	**52 J**	**68 J**	**67 J**	**60 J**	**57.5**	**48.5 J**	**45.5 J**	**59.5**	**47.5 J**
1,3-Dichlorobenzene	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
1,3-Dichloropropane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
1,3-Dichloropropene, cis-	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-030421-07	GS-060721-02	GS-090121-02	GS-121321-05	GS-121321-06	GS-030822-04	GS-061622-13	GS-090722-07	GS-121422-07	GS-030823-04	GS-061323-04
Sample Date	3/4/2021	6/7/2021	9/1/2021	12/13/2021	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	3/8/2023	6/13/2023
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	22–33 ft	22–33 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
1,3-Dichloropropene, trans-	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
1,4-Dichlorobenzene	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
2,2-Dichloropropane	100 U	100 U	100 UJ	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
2-Chlorotoluene	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
2-Hexanone (Methyl butyl ketone)	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	500 U	500 U	500 U	500 U	500 U
4-Chlorotoluene	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	500 U	500 U	500 U	500 U	500 U
Acetone	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	1000 U	1000 U	1000 U	1000 U	1000 U
Acrylonitrile	200 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U
Benzene	**8400**	**9500**	**7850**	**10300**	**9640**	**15700**	**13500**	**10200**	**7280**	**10500**	**9900**
Bromobenzene	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
Bromochloromethane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Bromodichloromethane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Bromoform (Tribromomethane)	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Bromomethane (Methyl bromide)	500 UJ	500 UJ	500 UJ	500 U	500 U	500 UJ	250 U	250 UJ	250 U	250 UJ	250 U
Carbon disulfide	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	500 U	500 U	500 U	500 U	500 U
Carbon tetrachloride (Tetrachloromethane)	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Chlorobenzene	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
Chloroethane	500 U	500 U	500 U	500 U	500 U	500 U	250 U	250 U	250 U	250 U	250 U
Chloroform	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Chloromethane	500 U	500 U	500 U	500 U	500 U	500 U	250 U	250 U	250 U	250 U	250 U
Cymene, p- (4-Isopropyltoluene)	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	**29.5 J**	50 U	50 U
Dibromochloromethane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Dibromomethane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Dichlorodifluoromethane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Dichloromethane (Methylene chloride)	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	500 U	500 U	500 U	500 U	500 U
Ethylbenzene	**591**	**1080**	**926**	**769**	**820**	**563**	**564**	**550**	**550**	**654**	**563**
Ethylene dibromide (1,2-Dibromoethane)	50 U	50 U	50 U	50 U	50 U	50 U	25 U	25 U	25 U	25 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	500 U	500 U	500 U	500 U	500 U	250 U	250 U	250 U	250 U	250 U
Isopropylbenzene (Cumene)	100 U	100 U	100 U	100 U	100 U	**67 J**	**33 J**	**29 J**	**34 J**	**34 J**	50 U
m,p-Xylene	**209**	**324**	**187**	**197**	**192**	**236**	**318**	**267**	**204**	**374**	**332**
Methyl ethyl ketone (2-Butanone)	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	500 U	500 U	500 U	500 U	500 U
Methyl tert-butyl ether (MTBE)	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
n-Butylbenzene	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
n-Propylbenzene	50 U	**33 J**	**25 J**	**30 J**	**30 J**	50 U	**25.5**	**24.5 J**	**21.5 J**	**28.5**	**25.5**
o-Xylene	**170**	**247**	**160**	**148**	**148**	**158**	**202**	**170**	**134**	**244**	**209**
sec-Butylbenzene	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Styrene	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
tert-Butylbenzene	100 U	100 U	100 U	100 U	100 U	100 U	50 U	50 U	50 U	50 U	50 U
Tetrachloroethene (PCE)	40 U	40 U	40 U	40 U	40 U	**20 J**	20 U	20 U	20 U	20 U	20 U
Toluene	100 U	**60 J**	100 U	**52 J**	100 U	**69 J**	**110**	**62.5**	**48 J**	**53.5**	**59.5**
Trichloroethene (TCE)	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	0.5 U	20 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	200 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	100 U	100 U
Vinyl chloride	40 U	40 U	40 U	40 U	40 U	40 U	20 U	20 U	0.5 U	20 U	0.5 U
Total BTEX (U = 0)	**9370**	**11211 J**	**9123**	**11466 J**	**10800**	**16726 J**	**14694**	**11249.5**	**8216 J**	**11825.5**	**11063.5**
Total VOC (U = 0)	**9571 J**	**11506 J**	**9349 J**	**11733 J**	**11069 J**	**16987 J**	**14950 J**	**11474.5 J**	**8433 J**	**12108.5 J**	**11242.5 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**721**	**741**	**841**	**581**	**530**	**671**	**823**	**648**	**661**	**590**	**819**
2-Methylnaphthalene	**994**	**1070**	**1180**	**867**	**741**	**940**	**1110**	**872**	**855**	**840**	**1140**

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-030421-07	GS-060721-02	GS-090121-02	GS-121321-05	GS-121321-06	GS-030822-04	GS-061622-13	GS-090722-07	GS-121422-07	GS-030823-04	GS-061323-04
Sample Date	3/4/2021	6/7/2021	9/1/2021	12/13/2021	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	3/8/2023	6/13/2023
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	22–33 ft	22–33 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Acenaphthene	**245**	**266**	**240**	**236**	**223**	**225**	**275**	**242**	**223**	**212**	**267**
Acenaphthylene	9.29 U	13.9 U	8.76 U	9.58 U	11.2 U	14.2 U	**24.3**	29.5 U	40 U	10.5 U	**20**
Anthracene	**10**	**10.1 J**	**8.98**	**6.59 J**	**7.12 J**	**8.83**	**9**	**6.99 J**	40 U	**8.47**	**9.05**
Benzo(a)anthracene	**0.743**	6.96 U	**0.919 J**	4.79 U	5.58 U	**1.14 J**	2.02 U	3.94 U	20 U	1.89 U	1.85 U
Benzo(a)pyrene	0.743 U	6.96 U	1.75 U	4.79 U	5.58 U	**0.95 J**	2.02 U	3.94 U	20 U	1.89 U	1.85 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.743 U	6.96 U	1.75 U	4.79 U	5.58 U	**0.95 J**	2.02 U	3.94 U	20 U	1.89 U	1.85 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1.49 U	13.9 U	3.5 U	9.58 U	11.2 U	3.8 U	4.04 U	7.88 U	40 U	3.78 U	3.69 U
Benzo(k)fluoranthene	0.743 U	6.96 U	1.75 U	4.79 U	5.58 U	1.9 U	2.02 U	3.94 U	20 U	1.89 U	1.85 U
Carbazole	**186**	**135**	**141**	**147**	**135**	**114**	**133**	**97**	**108**	**128**	**115**
Chrysene	**0.446 J**	6.96 U	1.75 U	4.79 U	5.58 U	**1.28 J**	2.02 U	3.94 U	20 U	1.89 U	1.85 U
Dibenzo(a,h)anthracene	0.743 U	6.96 U	1.75 U	4.79 U	5.58 U	1.9 U	2.02 U	3.94 U	20 U	1.89 U	1.85 U
Dibenzofuran	**18.6**	**21.4**	**21.9**	**19.8**	**17.6**	**18**	**21.2**	**18.6**	**24 J**	**18.7**	**20.1**
Fluoranthene	**16.8**	**13.2 J**	**14.1**	**13.9**	**12**	**16.2**	**14.8**	**13.2**	40 U	**10.2**	**12.6**
Fluorene	**71.7**	**68.2**	**79.2**	**67.3**	**58.1**	**62.4**	**73.2**	**54.1**	**60**	**61.5**	**72.8**
Indeno(1,2,3-c,d)pyrene	0.743 U	6.96 U	1.75 U	4.79 U	5.58 U	1.9 U	2.02 U	3.94 U	20 U	1.89 U	1.85 U
Naphthalene	**2590**	**3570**	**2680**	**1820**	**1780**	**1520**	**2080**	**1490**	**1120**	**1310**	**1280**
Phenanthrene	**102**	**105**	**96.7**	**91.6**	**90.3**	**85.3**	**99.5**	**88.9**	**98**	**83.4**	**92.5**
Pyrene	**16.9**	**14.4**	**14**	**14.8**	**12.4**	**16.9**	**14.8**	**13.5**	40 U	**10.1**	**13.2**
Total PAH (17) (U = 0)	**4047.589 J**	**5116.9 J**	**4313.899 J**	**3117.19 J**	**2923.92 J**	**2878.95 J**	**3700.6**	**2780.69 J**	**2356**	**2535.67**	**2907.15**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-091123-07	GS-121223-05	GS-031224-05	GS-061024-03	GS-061024-04	GS-051718-05	GS-082218-01	GS-121218-04	GS-031119-02	GS-061219-01	GS-071019-01
Sample Date	9/11/2023	12/12/2023	3/12/2024	6/10/2024	6/10/2024	5/17/2018	8/22/2018	12/12/2018	3/11/2019	6/12/2019	7/10/2019
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Conventional Parameters (mg/L)											
Cyanide	**0.207**	**0.0547**	**0.242**	**0.248**	**0.248**	**2.42**	**1.46**	**0.981**	**0.792**	**0.65 J**	--
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00185 J**	0.002 U	0.002 U	0.002 U	0.002 U	**0.0053**	**0.00516**	**0.00233**	**0.0029**	**0.00344**	--
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	0.005 U	--
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	55.8 U	**39.7 J**	**35.2 J**	50 U	50 U	--
Antimony	1 U	1 U	1 U	1 U	1 U	**3.31**	1 U	1 U	1 U	1 U	--
Arsenic	**0.661 J**	**0.633 J**	**0.694 J**	**0.67 J**	**0.722 J**	**4.98**	**5.63**	**7.22**	**7.24**	**3.76**	--
Barium	**26.9**	**29**	**25.9**	**25.5**	**25.8**	**251**	**82.9**	**42.5**	**31.8**	**175**	--
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	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	0.2 U	--
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	**1.47**	**0.783 J**	**0.575 J**	1 U	1 U	--
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	**0.833 J**	1 U	1 U	1 U	1 U	--
Iron	**27800**	**30800**	**27300**	**28800**	**28900**	**88800**	**59400**	**48100**	**42000**	**44500**	--
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.118 J**	0.2 U	0.2 U	0.2 U	--
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3400**	**3770**	**3610**	**3370**	**3380**	**8240**	**4440**	**2000**	**1740**	**7720**	--
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	0.08 U	--
Nickel	2 U	2 U	2 U	2 U	2 U	**37.5**	**2.48**	**0.999 J**	**0.764 J**	**1.05**	--
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	**0.967 J**	**0.505 J**	1 U	1 U	**1.07**	--
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	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	0.2 U	--
Vanadium	**1.17 J**	2 U	2 U	2 U	2 U	**6.2**	**3.63**	**1.97**	**1.82**	**1.82**	--
Zinc	**2.38 J**	4 U	**2.33 J**	**3.43 J**	4 U	**21.2**	**4.31**	**3.46 J**	**2.68 J**	**2.87 J**	--
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	20 U	20 U	20 U	20 U	20 U	20 U	40 U	200 U	40 U	8 U	0.4 U
1,1,1-Trichloroethane	20 U	20 U	20 U	20 U	20 U	20 U	40 U	200 U	40 U	8 U	0.4 U
1,1,2,2-Tetrachloroethane	25 U	25 U	25 U	25 U	25 U	1 U	50 U	10 U	50 U	0.4 U	0.5 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	1 U	50 U	10 U	50 U	0.4 U	0.5 U
1,1-Dichloroethane	20 U	20 U	20 U	20 U	20 U	1 U	40 U	10 U	40 U	0.4 U	0.4 U
1,1-Dichloroethene	0.5 U	20 U	20 U	0.5 UJ	0.5 UJ	1 U	40 U	10 U	40 U	0.4 U	0.4 U
1,1-Dichloropropene	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
1,2,3-Trichlorobenzene	100 U	100 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U	40 U	2 U
1,2,3-Trichloropropane	50 U	50 U	50 U	50 U	50 U	5 U	100 U	50 U	100 U	2 U	1 U
1,2,4-Trichlorobenzene	100 U	100 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U	40 U	2 U
1,2,4-Trimethylbenzene	**122**	**73**	**78.5**	**52.5**	**64**	**107**	**132**	**203**	**173**	**16.4**	**11.3 J**
1,2-Dibromo-3-chloropropane	250 U	250 U	250 U	250 U	250 U	10 U	500 U	100 U	500 U	4 U	5 U
1,2-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U	10 U	0.5 U
1,2-Dichloroethane	20 U	20 U	20 U	20 U	20 U	1 U	40 U	10 U	40 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.5 U	20 U	20 U	0.5 UJ	0.5 UJ	1 U	40 U	10 U	40 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.5 U	20 U	20 U	0.5 UJ	0.5 UJ	1 U	40 U	10 U	40 U	0.4 U	0.4 U
1,2-Dichloropropane	25 U	25 U	25 U	25 U	25 U	1 U	50 U	10 U	50 U	0.4 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**55**	**31 J**	**31.5 J**	50 U	50 U	**47.7**	100 U	**65.4**	**67 J**	**4.36**	5 U
1,3-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U	10 U	0.5 U
1,3-Dichloropropane	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
1,3-Dichloropropene, cis-	50 U	50 U	50 U	50 U	50 U	1 U	100 U	10 U	100 U	0.4 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-091123-07	GS-121223-05	GS-031224-05	GS-061024-03	GS-061024-04	GS-051718-05	GS-082218-01	GS-121218-04	GS-031119-02	GS-061219-01	GS-071019-01
Sample Date	9/11/2023	12/12/2023	3/12/2024	6/10/2024	6/10/2024	5/17/2018	8/22/2018	12/12/2018	3/11/2019	6/12/2019	7/10/2019
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
1,3-Dichloropropene, trans-	50 U	50 U	50 U	50 U	50 U	1 U	100 U	10 U	100 U	0.4 U	1 U
1,4-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U	10 U	0.5 U
2,2-Dichloropropane	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
2-Chlorotoluene	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
2-Hexanone (Methyl butyl ketone)	500 U	500 U	500 UJ	500 U	500 U	500 U	1000 U	5000 U	1000 U	200 U	10 U
4-Chlorotoluene	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	500 U	500 U	500 U	500 U	500 U	1000 U	5000 U	1000 U	200 U	10 U
Acetone	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	2000 U	10000 U	2000 U	400 U	20 U
Acrylonitrile	100 U	100 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U	40 U	2 U
Benzene	**5850**	**5100**	**9600**	**9030**	**9740**	**8980**	**24400**	**57600**	**39300**	**3240**	**2530**
Bromobenzene	25 U	25 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U	10 U	0.5 U
Bromochloromethane	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Bromodichloromethane	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Bromoform (Tribromomethane)	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	80 U	1 U
Bromomethane (Methyl bromide)	250 U	250 U	250 U	250 U	250 U	250 U	500 UJ	2500 U	500 U	100 UJ	5 U
Carbon disulfide	500 U	500 U	500 U	500 U	500 U	500 U	1000 U	5000 U	1000 U	200 U	10 U
Carbon tetrachloride (Tetrachloromethane)	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Chlorobenzene	25 U	25 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U	10 U	0.5 U
Chloroethane	250 U	250 U	250 U	250 U	250 U	500 U	500 U	2500 U	500 U	100 U	5 U
Chloroform	50 U	50 U	50 U	50 U	50 U	5 U	100 U	50 U	100 U	2 U	1 U
Chloromethane	250 UJ	250 U	250 U	250 U	250 U	250 U	500 U	2500 U	500 U	100 U	5 U
Cymene, p- (4-Isopropyltoluene)	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	**0.566 J**
Dibromochloromethane	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Dibromomethane	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Dichlorodifluoromethane	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Dichloromethane (Methylene chloride)	500 U	500 U	500 U	500 U	500 U	150 U	300 U	1500 U	300 U	60 U	3 U
Ethylbenzene	**682**	**625**	**671**	**632**	**728**	**356**	**554**	**1070**	**1120**	**81.6**	**64.7**
Ethylene dibromide (1,2-Dibromoethane)	25 U	25 U	25 U	25 U	25 U	1 U	50 U	10 U	50 U	0.4 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	250 U	250 U	250 U	250 U	250 U	500 U	2500 U	500 U	100 U	5 U
Isopropylbenzene (Cumene)	**35 J**	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	**4.06**
m,p-Xylene	**296**	**192**	**311**	**228**	**276**	**553**	**689**	**1050**	**1120**	**64.9**	**45**
Methyl ethyl ketone (2-Butanone)	500 U	500 U	500 U	500 U	500 U	500 U	1000 U	5000 U	1000 U	200 U	10 U
Methyl tert-butyl ether (MTBE)	50 U	50 U	50 U	50 U	50 U	1 U	100 U	10 U	100 U	0.4 U	1 U
n-Butylbenzene	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
n-Propylbenzene	**29**	**19 J**	**18 J**	**15.5 J**	**17 J**	25 U	50 U	250 U	50 U	10 U	**1.14**
o-Xylene	**192**	**124**	**164**	**137**	**162**	**252**	**316**	**493**	**528**	**36.8**	**26**
sec-Butylbenzene	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Styrene	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
tert-Butylbenzene	50 U	50 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U	20 U	1 U
Tetrachloroethene (PCE)	20 U	20 U	20 U	20 U	20 U	1 U	40 U	10 U	40 U	0.4 U	0.4 U
Toluene	**48 J**	**34.5 J**	**45 J**	**45.5 J**	**52.5**	**1100**	**2820**	**7080**	**7150 J**	**187**	**154**
Trichloroethene (TCE)	0.5 U	20 U	20 U	0.5 UJ	0.5 UJ	1 U	40 U	10 U	40 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	100 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U	40 U	2 U
Vinyl chloride	0.5 U	10 U	10 U	0.5 UJ	0.5 UJ	1 U	40 U	10 U	40 U	0.4 U	0.4 U
Total BTEX (U = 0)	**7068 J**	**6075.5 J**	**10791 J**	**10072.5 J**	**10958.5**	**11241**	**28779**	**67293**	**49218 J**	**3610.3**	**2819.7**
Total VOC (U = 0)	**7309 J**	**6198.5 J**	**10919 J**	**10140.5 J**	**11039.5 J**	**11395.7**	**28911 J**	**67561.4**	**49458 J**	**3631.06 J**	**2836.766 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**706**	**764**	**797**	**801**	**865**	**591**	**762**	**678**	**635**	**88**	--
2-Methylnaphthalene	**958**	**1000**	**1080**	**1060**	**1140**	**903**	**1220**	**1030**	**1030**	**110**	--

Table 3
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-091123-07	GS-121223-05	GS-031224-05	GS-061024-03	GS-061024-04	GS-051718-05	GS-082218-01	GS-121218-04	GS-031119-02	GS-061219-01	GS-071019-01
Sample Date	9/11/2023	12/12/2023	3/12/2024	6/10/2024	6/10/2024	5/17/2018	8/22/2018	12/12/2018	3/11/2019	6/12/2019	7/10/2019
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Acenaphthene	**245**	**251 J**	**280**	**246**	**236**	**321**	**397**	**332**	**295**	**66.1**	--
Acenaphthylene	13.2 U	19.3 U	**32.5**	15.6 U	14.6 U	**51.7**	**27 J**	**25.6**	**24.2**	13.8 U	--
Anthracene	**7.13**	**7.82**	**7.64 J**	**7.44**	**7.74**	**29.7 J**	**25.2 J**	**23**	**20.6**	13.8 U	--
Benzo(a)anthracene	1.91 U	1.93 U	3.87 U	1.92 U	1.8 U	16.1 U	17.3 U	**1.39 J**	**0.631 J**	6.92 U	--
Benzo(a)pyrene	1.91 U	1.93 U	3.87 U	1.92 U	1.8 U	**8.67 J**	17.3 U	**0.877**	**0.401**	6.92 U	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	1.91 U	1.93 U	3.87 U	1.92 U	1.8 U	16.1 U	17.3 U	**0.818 J**	**0.302 J**	6.92 U	--
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.83 U	3.86 U	7.74 U	3.84 U	3.6 U	32.3 U	34.5 U	**0.787 J**	0.68 U	13.8 U	--
Benzo(k)fluoranthene	1.91 U	1.93 U	3.87 U	1.92 U	1.8 U	16.1 U	17.3 U	**0.487 J**	**0.255 J**	6.92 U	--
Carbazole	--	--	--	--	--	**174**	**221**	**309**	**244**	**23.4**	--
Chrysene	1.91 U	1.93 U	3.87 U	1.92 U	1.8 U	16.1 U	17.3 U	**1.45 J**	**0.524**	6.92 U	--
Dibenzo(a,h)anthracene	1.91 U	1.93 U	3.87 U	1.92 U	1.8 U	16.1 U	17.3 U	0.693 U	0.34 U	6.92 U	--
Dibenzofuran	**18**	**18.5**	**21.4**	**18.8**	**17.2**	**23.6 J**	**28.3 J**	**19.3**	**17.7**	13.8 U	--
Fluoranthene	**13**	**14.5**	**12.4**	**13.1**	**12.9**	**30.4 J**	**22 J**	**16.9**	**12.8**	**7.25 J**	--
Fluorene	**67.1**	**66.7**	**71.4**	**68.7**	**65.6**	**117**	**118**	**89.5**	**82.7**	**16.3**	--
Indeno(1,2,3-c,d)pyrene	1.91 U	1.93 U	3.87 U	1.92 U	1.8 U	16.1 U	17.3 U	**0.82**	**0.229 J**	6.92 U	--
Naphthalene	**718**	**758**	**1470**	**1220**	**1120**	**9700**	**14900**	**19200**	**20100**	**1660**	--
Phenanthrene	**85.2**	**86.2**	**99**	**92.1**	**89.2**	**194**	**190**	**155**	**124**	**27.4 J**	--
Pyrene	**13.5**	**15.3**	**12.7**	**13.2**	**13.2**	**33.7**	**25.2 J**	**16.8**	**12.4**	**8.43 J**	--
Total PAH (17) (U = 0)	**2106.93**	**2199.52 J**	**3065.64 J**	**2720.54**	**2684.64**	**11389.17 J**	**16924.4 J**	**20895.429 J**	**21704.042 J**	**1895.48 J**	--
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**7.22 J**	**6.73 J**	**12 J**	**7.19 J**	**7.37 J**	--	--	--	--	--	--
Gasoline-range hydrocarbons	**34**	**27.3**	**49.7**	**38.9**	**43.3**	--	--	--	--	--	--
Oil-range organics	**0.437**	0.392 U	0.385 U	0.388 U	0.388 U	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-090919-01	GS-121719-05	GS-031220-43	GS-060920-02	GS-092220-01	GS-121020-14	GS-030421-06	GS-060721-01	GS-090221-12	GS-121321-03	GS-030822-05
Sample Date	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/2/2021	12/13/2021	3/8/2022
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Conventional Parameters (mg/L)											
Cyanide	**0.642**	**0.678**	**0.631**	**0.617**	**0.627**	**0.645**	**0.663**	**0.709**	**0.784 J**	**0.387**	**0.831 J**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00129 J**	0.002 U	**0.00358**	**0.00188 J**	**0.0035**	**0.00208**	**0.00218**	**0.00489**	0.002 U	**0.00268 J**	**0.00982**
Cyanide, free	0.005 UJ	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	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	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	1 U	1 U
Arsenic	**4.62**	**4.87**	**4.74**	**5.59**	**4.14**	**5.78**	**4.16**	**4.61**	**5.27**	**6.19**	**6.58**
Barium	**164**	**86.7**	**159**	**71**	**164**	**76.3**	**135**	**143**	**155**	**70.9**	**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	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	0.2 U
Calcium	--	--	--	--	--	--	--	--	**74300**	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	--	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	**12.4**	--	--
Copper	**0.72 J**	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**42900**	**27300**	**41900**	**30800**	**38500**	**31200**	**31200**	**39000**	**42000**	**39000**	**39100**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.109 J**	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**8630**	**4260**	**7610**	**3180**	**7510**	**3260**	**7020**	**5480**	**6110**	**1940**	**5490**
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	0.08 U	0.08 U
Nickel	**1.36**	**0.696 J**	**2.01**	2 U	**1.02 J**	2 U	**1.01 J**	2 U	2 U	2 U	**1.75 J**
Potassium	--	--	**3940**	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.74**	**1.87**	**1.48 J**	**1.77 J**	2 U	**1.56 J**	2 U	**1.52 J**	**1.57 J**	**1.17 J**	**1.55 J**
Zinc	**2.7 J**	4 U	**5.44**	**3.49 J**	**2.55 J**	4 U	**3.83 J**	4 U	**2.04 J**	4 U	**7.31**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	8 U	40 U	40 U	40 U	2 U	40 U	20 U	40 U	8 U	40 U	40 U
1,1,1-Trichloroethane	8 U	40 U	40 U	40 U	2 U	40 U	20 U	40 U	8 U	40 U	40 U
1,1,2,2-Tetrachloroethane	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
1,1-Dichloroethane	8 U	40 U	40 U	40 U	2 U	40 U	20 U	40 U	8 U	40 U	40 U
1,1-Dichloroethene	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U	0.5 U	0.4 U	40 U	0.4 U
1,1-Dichloropropene	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
1,2,3-Trichlorobenzene	40 U	200 U	200 U	200 U	10 U	200 U	100 U	200 U	40 U	200 U	200 U
1,2,3-Trichloropropane	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
1,2,4-Trichlorobenzene	40 U	200 U	200 U	200 U	10 U	200 U	100 U	200 U	40 U	200 U	200 U
1,2,4-Trimethylbenzene	**18.2 J**	**112**	100 U	**92 J**	**12.1**	**68.4 J**	50 U	100 U	**15.4 J**	**111**	100 U
1,2-Dibromo-3-chloropropane	100 U	500 U	500 U	500 U	25 U	500 U	250 U	500 U	100 U	500 U	500 U
1,2-Dichlorobenzene	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
1,2-Dichloroethane	8 U	40 U	40 U	40 U	2 U	40 U	20 U	40 U	8 U	40 U	40 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U	0.5 U	0.4 U	40 U	0.4 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U	0.5 U	0.4 U	40 U	0.4 U
1,2-Dichloropropane	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	20 U	100 U	100 U	100 U	**2.66 J**	100 U	50 U	100 U	20 U	100 U	100 U
1,3-Dichlorobenzene	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
1,3-Dichloropropane	20 U	100 U	100 U	200 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
1,3-Dichloropropene, cis-	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U

Table 3
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-090919-01	GS-121719-05	GS-031220-43	GS-060920-02	GS-092220-01	GS-121020-14	GS-030421-06	GS-060721-01	GS-090221-12	GS-121321-03	GS-030822-05
Sample Date	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/2/2021	12/13/2021	3/8/2022
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
1,3-Dichloropropene, trans-	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	40 U	100 U	100 U
1,4-Dichlorobenzene	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
2,2-Dichloropropane	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
2-Chlorotoluene	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
2-Hexanone (Methyl butyl ketone)	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U	1000 U	200 U	1000 U	1000 U
4-Chlorotoluene	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U	1000 U	200 U	1000 U	1000 U
Acetone	400 U	2000 U	2000 U	2000 U	100 U	2000 U	1000 U	2000 U	400 U	2000 U	2000 U
Acrylonitrile	40 U	200 U	200 U	200 U	10 U	200 U	100 U	200 U	40 U	200 U	200 U
Benzene	**3030 J**	**28500**	**4240**	**30700**	**1220**	**38900**	**2720**	**3730**	**2150**	**42800**	**5960 J**
Bromobenzene	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
Bromochloromethane	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Bromodichloromethane	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Bromoform (Tribromomethane)	20 U	100 U	100 U	100 U	5 U	200 U	50 U	100 U	20 U	100 U	100 U
Bromomethane (Methyl bromide)	100 U	500 U	500 U	500 U	25 U	500 U	250 UJ	500 UJ	100 U	500 U	500 UJ
Carbon disulfide	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U	1000 U	200 U	1000 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Chlorobenzene	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
Chloroethane	100 UJ	500 U	500 U	500 U	25 U	500 U	250 U	500 U	100 U	500 U	500 U
Chloroform	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Chloromethane	100 U	500 U	500 U	500 U	25 U	500 U	250 U	500 U	100 U	500 U	500 U
Cymene, p- (4-Isopropyltoluene)	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Dibromochloromethane	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Dibromomethane	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Dichlorodifluoromethane	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Dichloromethane (Methylene chloride)	100 U	500 U	1000 U	1000 U	50 U	1000 U	500 U	1000 U	200 U	1000 U	1000 U
Ethylbenzene	**76.4**	**506**	**112**	**650**	**33.7**	**627**	**75**	**102**	**52.2**	**1020**	**166**
Ethylene dibromide (1,2-Dibromoethane)	10 U	50 U	50 U	50 U	2.5 U	100 U	25 U	50 U	10 U	50 U	50 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	100 U	500 U	500 U	500 U	25 U	500 U	250 U	500 U	100 U	500 U	500 U
Isopropylbenzene (Cumene)	20 U	100 U	100 U	100 U	**3.6 J**	100 U	50 U	100 U	20 U	100 U	**53 J**
m,p-Xylene	**72.3**	**525**	**73.8 J**	**544**	**25.9**	**517**	**52**	**101**	**37.4**	**804**	**138**
Methyl ethyl ketone (2-Butanone)	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U	1000 U	200 U	1000 U	1000 U
Methyl tert-butyl ether (MTBE)	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
n-Butylbenzene	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
n-Propylbenzene	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U	50 U	10 U	50 U	50 U
o-Xylene	**38**	**250**	**36.5 J**	**230**	**21.1**	**246**	**35.5**	**48 J**	**30.8**	**357**	**72**
sec-Butylbenzene	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Styrene	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
tert-Butylbenzene	20 U	100 U	100 U	100 U	5 U	100 U	50 U	100 U	20 U	100 U	100 U
Tetrachloroethene (PCE)	8 U	40 U	40 U	40 U	2 U	40 U	20 U	40 U	8 U	40 U	40 U
Toluene	**184**	**2810**	**305**	**4180**	**35.3**	**4720**	**75.5**	**198**	**26.3**	**6160**	**331**
Trichloroethene (TCE)	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U	0.5 U	0.4 U	40 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	40 U	200 U	200 U	200 U	10 U	200 U	100 U	200 U	40 U	200 U	200 U
Vinyl chloride	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U	0.5 U	0.4 U	40 U	0.4 U
Total BTEX (U = 0)	**3400.7 J**	**32591**	**4767.3 J**	**36304**	**1336**	**45010**	**2958**	**4179 J**	**2296.7**	**51141**	**6667 J**
Total VOC (U = 0)	**3418.9 J**	**32703**	**4767.3 J**	**36396 J**	**1354.36 J**	**45078.4 J**	**2958 J**	**4179 J**	**2312.1 J**	**51252**	**6720 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**84.3**	**374**	**136**	**521**	**85**	**296**	**83.1**	**130**	**67.9**	**237**	**132**
2-Methylnaphthalene	**98**	**571**	**163**	**802**	**72.5**	**464**	**74.4**	**165**	**58.2**	**384**	**174**

Table 3
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-090919-01	GS-121719-05	GS-031220-43	GS-060920-02	GS-092220-01	GS-121020-14	GS-030421-06	GS-060721-01	GS-090221-12	GS-121321-03	GS-030822-05
Sample Date	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/2/2021	12/13/2021	3/8/2022
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Acenaphthene	**76.9**	**251**	**105**	**277**	**70.6**	**171**	**63**	**111**	**71.1**	**218**	**107**
Acenaphthylene	**6.42 J**	**13.9**	32.1 U	16.2 U	**9.21**	**14.7 J**	**8.22**	**9.83**	**8.04**	82.2 U	**11.1**
Anthracene	**5.2 J**	**13.4**	32.1 U	**18.5**	**4.74**	**11.8 J**	**4.1**	**6.08 J**	**4.22**	82.2 U	**5.01**
Benzo(a)anthracene	**0.447**	**1.18**	16 U	**1.26**	1.61 U	7.62 U	0.793 U	3.58 U	1.98 U	41.1 U	1.97 U
Benzo(a)pyrene	**0.258 J**	**0.809**	16 U	**0.908**	1.61 U	7.62 U	0.793 U	3.58 U	1.98 U	41.1 U	1.97 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.213 J**	**0.585**	16 U	**0.567 J**	1.61 U	7.62 U	0.793 U	3.58 U	1.98 U	41.1 U	1.97 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.68 U	**0.423 J**	32.1 U	**0.811 J**	3.22 U	15.2 U	1.59 U	7.15 U	3.97 U	82.2 U	3.93 U
Benzo(k)fluoranthene	**0.179 J**	**0.339**	16 U	0.648 U	1.61 U	7.62 U	0.793 U	3.58 U	1.98 U	41.1 U	1.97 U
Carbazole	**34.9**	**115**	**34.9**	**188**	**32.1**	**166**	**33.1**	**37.4**	**26.3**	**218**	**43.9**
Chrysene	**0.244 J**	**0.773**	16 U	**0.956**	1.61 U	7.62 U	0.793 U	3.58 U	1.98 U	41.1 U	1.97 U
Dibenzo(a,h)anthracene	0.34 U	0.319 U	16 U	0.648 U	1.61 U	7.62 U	0.793 U	3.58 U	1.98 U	41.1 U	**8.01 J**
Dibenzofuran	**5.23**	**12.2**	32.1 U	**13.8**	**6.63**	**9.14 J**	**5.77**	**8.05**	**6.45**	82.2 U	**7.96**
Fluoranthene	**3.14**	**7.23**	32.1 U	**11.8**	**1.97 J**	15.2 U	**1.43 J**	7.15 U	3.97 U	82.2 U	**2.36 J**
Fluorene	**18**	**53**	**26.7 J**	**64.5**	**16.2**	**38.5**	**13.6**	**24.2**	**13.7**	**46.3 J**	**23.6**
Indeno(1,2,3-c,d)pyrene	0.34 U	**0.456**	16 U	0.648 U	1.61 U	7.62 U	0.793 U	3.58 U	1.98 U	41.1 U	1.97 U
Naphthalene	**1870**	**9640**	**2850**	**14100**	**903**	**9600**	**1390**	**2750**	**1060**	**12900**	**2340**
Phenanthrene	**19.2**	**80**	**58.3 J**	**103**	**11.2**	**59.6**	**12**	**26.9**	**11.2**	164 U	**21.5**
Pyrene	**3.27**	**7.53**	32.1 U	**12.9**	**2.21 J**	**8 J**	**1.49 J**	7.15 U	3.97 U	82.2 U	**2.26 J**
Total PAH (17) (U = 0)	**2101.471 J**	**10641.625 J**	**3203 J**	**15394.202 J**	**1091.63 J**	**10367.6 J**	**1568.24 J**	**3093.01 J**	**1226.46**	**13548.3 J**	**2694.84 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-061622-12	GS-090722-05	GS-121422-04	GS-030923-08	GS-061323-02	GS-061323-03	GS-091123-04	GS-091123-05	GS-121223-01	GS-032024-29	GS-061024-01
Sample Date	6/16/2022	9/7/2022	12/14/2022	3/9/2023	6/13/2023	6/13/2023	9/11/2023	9/11/2023	12/12/2023	3/20/2024	6/10/2024
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	N	FD	N	FD	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Conventional Parameters (mg/L)											
Cyanide	**0.493**	**0.651**	**0.453**	**0.386**	**0.489**	**0.497**	**0.264**	**0.258**	**0.269**	**0.573**	**0.525**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00878**	**0.00189 J**	0.002 U	**0.00177 J**	**0.00317**	**0.00329**	**0.00171 J**	**0.00132 J**	0.002 U	**0.00351**	**0.00294**
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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	**44.3 J**	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	1 U	1 U
Arsenic	**5.2**	**5.88**	**6.59**	**6.65**	**7.29**	**7.25**	**7.58**	**7.84**	**6.76**	**8.36**	**7.99**
Barium	**83.9**	**149**	**101**	**108**	**145**	**145**	**149**	**150**	**92.5**	**154**	**143**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**25500**	**38400**	**32800**	**29300**	**41400**	**41700**	**41200**	**41200**	**32400**	**45600**	**43100**
Lead	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**5.42**	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**3290**	**5520**	**3380**	**3860**	**5300**	**5190**	**5610**	**5630**	**3250**	**5510**	**5360**
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	0.08 U	0.08 U
Nickel	2 U	2 U	**1.06 J**	2 U	**1.06 J**	**1.23 J**	2 U	2 U	2 U	2 U	2 U
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.78 J**	**1.09 J**	2 U	**1.14 J**	**1.14 J**	**1.13 J**	2 U	2 U	**1.19 J**	**1.56 J**	**1.28 J**
Zinc	**2.01 J**	4 UJ	**2.29 J**	4 U	**2.63 J**	**3.71 J**	4 U	4 U	4 U	4 U	4 U
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	20 U	4 U	80 U	20 U	4 U	4 U	4 U	4 U	20 U	4 U	8 U
1,1,1-Trichloroethane	20 U	4 U	80 U	20 U	4 U	4 U	4 U	4 U	20 U	4 U	8 U
1,1,2,2-Tetrachloroethane	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
1,1-Dichloroethane	20 U	4 U	80 U	20 U	4 U	4 U	4 U	4 U	20 U	4 U	8 U
1,1-Dichloroethene	20 U	0.2 U	80 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.5 UJ
1,1-Dichloropropene	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
1,2,3-Trichlorobenzene	100 U	20 U	400 U	100 U	20 U	20 U	20 U	20 U	100 U	20 U	40 U
1,2,3-Trichloropropane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
1,2,4-Trichlorobenzene	100 U	20 U	400 U	100 U	20 U	20 U	20 U	20 U	100 U	20 U	40 U
1,2,4-Trimethylbenzene	**59**	**10.3**	**100 J**	**61.5**	**15**	**12.8**	**10.9**	**11**	**42 J**	**12.9**	**17 J**
1,2-Dibromo-3-chloropropane	250 U	50 U	1000 U	250 U	50 U	50 U	50 U	50 U	250 U	50 U	100 U
1,2-Dichlorobenzene	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
1,2-Dichloroethane	20 U	4 U	80 U	20 U	4 U	4 U	4 U	4 U	20 U	4 U	8 U
1,2-Dichloroethene, cis-	20 U	0.2 U	80 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.5 UJ
1,2-Dichloroethene, trans-	20 U	0.2 U	80 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.5 UJ
1,2-Dichloropropane	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
1,3,5-Trimethylbenzene (Mesitylene)	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
1,3-Dichlorobenzene	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
1,3-Dichloropropane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
1,3-Dichloropropene, cis-	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U

Table 3
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-061622-12	GS-090722-05	GS-121422-04	GS-030923-08	GS-061323-02	GS-061323-03	GS-091123-04	GS-091123-05	GS-121223-01	GS-032024-29	GS-061024-01
Sample Date	6/16/2022	9/7/2022	12/14/2022	3/9/2023	6/13/2023	6/13/2023	9/11/2023	9/11/2023	12/12/2023	3/20/2024	6/10/2024
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	N	FD	N	FD	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
1,3-Dichloropropene, trans-	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
1,4-Dichlorobenzene	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
2,2-Dichloropropane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
2-Chlorotoluene	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
2-Hexanone (Methyl butyl ketone)	500 U	100 U	2000 U	500 U	100 U	100 U	100 U	100 U	500 U	100 U	200 U
4-Chlorotoluene	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	100 U	2000 U	500 U	100 U	100 U	100 U	100 U	500 U	100 U	200 U
Acetone	1000 U	200 U	4000 U	1000 U	200 U	200 U	200 U	200 U	1000 U	200 U	400 U
Acrylonitrile	100 U	20 U	400 U	100 U	20 U	20 U	20 U	20 U	100 U	20 U	40 U
Benzene	**24200**	**1230**	**30000**	**9240**	**1310**	**1230**	**1260**	**1300**	**40300**	**1180**	**1780**
Bromobenzene	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
Bromochloromethane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Bromodichloromethane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Bromoform (Tribromomethane)	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Bromomethane (Methyl bromide)	250 U	50 UJ	1000 U	250 UJ	50 U	50 U	50 U	50 U	250 U	50 U	100 U
Carbon disulfide	500 U	100 U	2000 U	500 U	100 U	100 U	100 U	100 U	500 U	100 U	200 U
Carbon tetrachloride (Tetrachloromethane)	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Chlorobenzene	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
Chloroethane	250 U	50 U	1000 U	250 U	50 U	50 U	50 U	50 U	250 U	50 U	100 U
Chloroform	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Chloromethane	250 U	50 U	1000 U	250 U	50 U	50 U	50 U	50 U	250 U	50 U	100 U
Cymene, p- (4-Isopropyltoluene)	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Dibromochloromethane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Dibromomethane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Dichlorodifluoromethane	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Dichloromethane (Methylene chloride)	500 U	100 U	2000 U	500 U	100 U	100 U	100 U	100 U	500 U	100 U	200 U
Ethylbenzene	**376**	**25.3**	**530**	**208**	**29.5**	**26**	**26.3**	**27**	**723**	**40.7**	**37.2**
Ethylene dibromide (1,2-Dibromoethane)	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	50 U	1000 U	250 U	50 U	50 U	50 U	50 U	250 U	50 U	100 U
Isopropylbenzene (Cumene)	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	**5.5 J**	20 U
m,p-Xylene	**346**	**16.9**	**422**	**180**	**30.2**	**24**	**14.2**	**14.4**	**592**	**29.1**	**31.6**
Methyl ethyl ketone (2-Butanone)	500 U	100 U	2000 U	500 U	100 U	100 U	100 U	100 U	500 U	100 U	200 U
Methyl tert-butyl ether (MTBE)	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
n-Butylbenzene	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
n-Propylbenzene	25 U	5 U	100 U	25 U	5 U	5 U	5 U	5 U	25 U	5 U	10 U
o-Xylene	**146**	**15.4**	**174**	**87.5**	**19.8**	**16.4**	**13.2**	**13.6**	**236**	**20.8**	**23**
sec-Butylbenzene	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Styrene	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
tert-Butylbenzene	50 U	10 U	200 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U	20 U
Tetrachloroethene (PCE)	20 U	4 U	80 U	20 U	4 U	4 U	4 U	4 U	20 U	4 U	8 U
Toluene	**1340**	**13**	**4080**	**478**	**16.9**	**14.6**	**14.4**	**15.9**	**6110**	**43.1**	**28**
Trichloroethene (TCE)	20 U	0.2 U	80 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	1.25 U	0.5 UJ
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	20 U	400 U	100 U	20 U	20 U	20 U	20 U	100 U	20 U	40 U
Vinyl chloride	20 U	0.2 U	80 U	20 U	0.5 U	0.5 U	0.5 U	0.5 U	**7.5 J**	0.5 U	0.5 UJ
Total BTEX (U = 0)	**26408**	**1300.6**	**35206**	**10193.5**	**1406.4**	**1311**	**1328.1**	**1370.9**	**47961**	**1313.7**	**1899.8**
Total VOC (U = 0)	**26467**	**1310.9 J**	**35306 J**	**10255 J**	**1421.4**	**1323.8**	**1339**	**1381.9**	**48010.5 J**	**1332.1 J**	**1916.8 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**323**	**58.4**	**292**	**170**	**73.1**	**70.2**	**64.3**	**63.7**	**255**	**78.6**	**79.5**
2-Methylnaphthalene	**491**	**51.5**	**432**	**232**	**71.4**	**67.1**	**59.5**	**58.9**	**388**	**83.2**	**80.5**

Table 3
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-061622-12	GS-090722-05	GS-121422-04	GS-030923-08	GS-061323-02	GS-061323-03	GS-091123-04	GS-091123-05	GS-121223-01	GS-032024-29	GS-061024-01
Sample Date	6/16/2022	9/7/2022	12/14/2022	3/9/2023	6/13/2023	6/13/2023	9/11/2023	9/11/2023	12/12/2023	3/20/2024	6/10/2024
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	15.6–25.6 ft	15.6–25.6 ft
Sample Type	N	N	N	N	N	FD	N	FD	N	N	N
Matrix	WG	WG	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	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Acenaphthene	**231**	**70.3**	**198**	**145**	**70.7**	**71.6**	**70.5**	**73.9**	**137**	**75.5**	**70.3**
Acenaphthylene	**25.1**	**13.8**	51.6 U	19.3 U	**6.62**	**8.59**	**6.75**	**6.64**	13.6 U	**6.02**	**6.53**
Anthracene	**12.1**	**3.09 J**	36.7 U	19.3 U	**3.77**	**3.79**	**3.24 J**	**3.34 J**	**9.28**	**4.44**	**3.99**
Benzo(a)anthracene	1.84 U	1.87 U	18.3 U	9.66 U	1.84 U	1.76 U	1.83 U	1.86 U	1.98 U	1.81 U	1.81 U
Benzo(a)pyrene	1.84 U	1.87 U	18.3 U	9.66 U	1.84 U	1.76 U	1.83 U	1.86 U	1.98 U	1.81 U	1.81 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	1.84 U	1.87 U	18.3 U	9.66 U	1.84 U	1.76 U	1.83 U	1.86 U	1.98 U	1.81 U	1.81 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.68 U	3.74 U	36.7 U	19.3 U	3.68 U	3.52 U	3.65 U	3.71 U	3.97 U	3.62 U	3.63 U
Benzo(k)fluoranthene	1.84 U	1.87 U	18.3 U	9.66 U	1.84 U	1.76 U	1.83 U	1.86 U	1.98 U	1.81 U	1.81 U
Carbazole	**82.4**	**20.4**	**106**	**44.2**	**23.6**	**23.4**	--	--	--	--	--
Chrysene	1.84 U	1.87 U	18.3 U	9.66 U	1.84 U	1.76 U	1.83 U	1.86 U	1.98 U	1.81 U	1.81 U
Dibenzo(a,h)anthracene	1.84 U	1.87 U	18.3 U	9.66 U	1.84 U	1.76 U	1.83 U	1.86 U	1.98 U	1.81 U	1.81 U
Dibenzofuran	**14**	**7.4**	36.7 U	19.3 U	**7.31**	**7.35**	**7.07**	**7.43**	**10.1**	**6.52**	**6.8**
Fluoranthene	**6.34**	3.74 U	36.7 U	19.3 U	3.68 U	3.52 U	3.65 U	3.71 U	**6**	**1.9 J**	**2.27 J**
Fluorene	**54.6**	**13**	**50.9**	**30**	**16.7**	**16.2**	**15.2**	**15.4**	**34**	**17.2**	**16.9**
Indeno(1,2,3-c,d)pyrene	1.84 U	1.87 U	18.3 U	9.66 U	1.84 U	1.76 U	1.83 U	1.86 U	1.98 U	1.81 U	1.81 U
Naphthalene	**5790**	**664**	**7620**	**2920**	**628**	**637**	**624**	**640**	**6600**	**770**	**699**
Phenanthrene	**69.8**	**12.7**	**84.3**	**44.9**	**13.6**	**14.9**	**13.8**	**13.6**	**43.2**	**17.4**	**16.7**
Pyrene	**6.76**	3.74 U	36.7 U	19.3 U	3.68 U	3.52 U	3.65 U	3.71 U	**6.35**	**1.9 J**	**2.04 J**
Total PAH (17) (U = 0)	**6686.7**	**828.39 J**	**8385.2**	**3371.9**	**810.79**	**819.18**	**792.99 J**	**811.78 J**	**7223.83**	**977.56 J**	**898.23 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	**2.96 J**	**3.18 J**	**17.6 J**	**6.35 J**	**4.62 J**
Gasoline-range hydrocarbons	--	--	--	--	--	--	**7.78**	**8.02**	**127**	**9.2**	**9.13**
Oil-range organics	--	--	--	--	--	--	0.381 U	0.381 U	0.4 U	0.385 U	0.385 U

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-051718-01	GS-051718-02	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	5/17/2018	5/17/2018	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	19–29 ft	19–29 ft
Sample Type	N	FD	N	N	N	N	N	FD	N	FD	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Conventional Parameters (mg/L)											
Cyanide	**0.106**	**0.101**	**0.125**	**0.11**	**0.0296**	**0.0294**	--	--	**0.0364**	**0.0337**	**0.0436**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
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	**0.0133**	**0.0132**	0.005 U	0.005 U	0.005 U	**0.0167**	--	--	0.005 UJ	0.005 UJ	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	88.8 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	**12.7**	**12.7**	**14.5**	**14.2**	**12**	**11.2**	--	--	**9.02**	**9.05**	**9.33**
Barium	**88.2**	**87.5**	**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	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	**0.567 J**	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**0.5 J**	1 U	1 U	1 U	1 U	1 U	--	--	1 U	1 U	**0.591 J**
Iron	**93400**	**100000**	**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	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**4560**	**4900**	**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	0.08 U	0.08 U
Nickel	**6.08**	**5.22**	**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	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	**0.989 J**	**0.756 J**	**0.643 J**	**0.613 J**	**0.747 J**	1 U	--	--	1 U	1 U	1 U
Zinc	**7.29**	**8.08**	**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	4 U	4 U	2 U	8 U	0.4 U	40 U	80 U	400 U	40 U	40 U	40 U
1,1,1-Trichloroethane	4 U	4 U	2 U	8 U	0.4 U	40 U	80 U	400 U	40 U	40 U	40 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	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	0.2 U	0.2 U	2.5 U	0.2 U	0.5 U	10 U	100 U	500 U	50 U	50 U	50 U
1,1-Dichloroethane	0.2 U	**0.101 J**	2 U	**0.229**	0.4 U	10 U	80 U	400 U	40 U	40 U	40 U
1,1-Dichloroethene	0.2 U	0.2 U	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	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	20 U	20 U	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
1,2,3-Trichloropropane	1 U	1 U	5 U	1 U	1 U	50 U	200 U	1000 U	100 U	100 U	100 U
1,2,4-Trichlorobenzene	20 U	20 U	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
1,2,4-Trimethylbenzene	**13.3**	**14.2**	**7.72**	**15.9**	**7.03**	**26.6 J**	200 U	1000 U	100 U	100 U	**61 J**
1,2-Dibromo-3-chloropropane	2 U	2 U	25 U	2 U	5 U	100 U	1000 U	5000 U	500 U	500 U	500 U
1,2-Dichlorobenzene	5 U	5 U	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
1,2-Dichloroethane	0.2 U	0.2 U	2 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	40 U
1,2-Dichloroethene, cis-	**0.132 J**	**0.136 J**	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-	0.2 U	0.2 U	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	0.2 U	0.2 U	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)	**3.12**	**3.32**	5 U	**3.38**	**1.14**	50 U	200 U	1000 U	100 U	100 U	100 U
1,3-Dichlorobenzene	5 U	5 U	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
1,3-Dichloropropane	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
1,3-Dichloropropene, cis-	0.2 U	0.2 U	5 U	0.2 U	1 U	10 U	200 U	1000 U	100 U	100 U	100 U

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-051718-01	GS-051718-02	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	5/17/2018	5/17/2018	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	19–29 ft	19–29 ft
Sample Type	N	FD	N	N	N	N	N	FD	N	FD	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
1,3-Dichloropropene, trans-	0.2 U	0.2 U	5 U	0.2 U	1 U	10 U	200 U	1000 U	100 U	100 U	100 U
1,4-Dichlorobenzene	5 U	5 U	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
2,2-Dichloropropane	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
2-Chlorotoluene	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
2-Hexanone (Methyl butyl ketone)	100 U	100 U	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
4-Chlorotoluene	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	100 U	100 U	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
Acetone	200 U	200 U	100 U	400 U	20 U	2000 U	4000 U	20000 UJ	2000 U	2000 U	2000 U
Acrylonitrile	20 U	20 U	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
Benzene	**1450**	**1300**	**643**	**1770**	**12.1**	**79300**	**62600**	**66400**	**72800**	**71200**	**56400**
Bromobenzene	5 U	5 U	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
Bromochloromethane	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Bromodichloromethane	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Bromoform (Tribromomethane)	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Bromomethane (Methyl bromide)	50 U	50 U	25 UJ	100 U	5 U	500 U	1000 U	5000 UJ	500 U	500 U	500 U
Carbon disulfide	100 U	100 U	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Chlorobenzene	5 U	5 U	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
Chloroethane	50 U	50 U	25 U	100 U	5 U	500 U	1000 U	5000 U	500 UJ	500 UJ	500 U
Chloroform	1 U	1 U	5 U	1 U	1 U	50 U	200 U	1000 U	100 U	100 U	100 U
Chloromethane	50 U	50 U	25 U	100 U	5 U	500 U	1000 U	5000 U	500 U	500 U	500 U
Cymene, p- (4-Isopropyltoluene)	10 U	10 U	5 U	20 U	**0.63 J**	100 U	200 U	1000 U	100 U	100 U	100 U
Dibromochloromethane	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Dibromomethane	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Dichlorodifluoromethane	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 UJ	100 UJ	100 U
Dichloromethane (Methylene chloride)	30 U	30 U	15 U	60 U	3 U	300 U	600 U	3000 U	500 U	500 U	500 U
Ethylbenzene	**111**	**102**	**29.9**	**57.8**	**6.07**	**300**	**240**	500 U	**510**	**544**	**551**
Ethylene dibromide (1,2-Dibromoethane)	0.2 U	0.2 U	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)	50 U	50 U	25 U	100 U	5 U	500 U	1000 U	5000 U	500 U	500 U	500 U
Isopropylbenzene (Cumene)	**19**	**20.1**	**24.8**	**28.8**	**26.1**	100 U	200 U	1000 U	100 U	100 U	100 U
m,p-Xylene	**11.4**	**12**	**8.14**	**11.1**	**3.28**	**464**	**255**	1000 U	**801**	**884**	**273**
Methyl ethyl ketone (2-Butanone)	100 U	100 U	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
Methyl tert-butyl ether (MTBE)	0.2 U	0.2 U	5 U	0.2 U	1 U	10 U	200 U	1000 U	100 U	100 U	100 U
n-Butylbenzene	10 U	10 U	5 U	20 U	**2.48**	100 U	200 U	1000 U	100 U	100 U	100 U
n-Propylbenzene	**6.79**	**6.32**	**9.62**	**11.4**	**12.4**	50 U	100 U	500 U	50 U	50 U	50 U
o-Xylene	**17.3**	**18.6**	**7.03**	**12.2**	**2.73**	**252**	**141**	500 U	**357**	**384**	**392**
sec-Butylbenzene	10 U	10 U	5 U	20 U	**3.94**	100 U	200 U	1000 U	100 U	100 U	100 U
Styrene	10 U	10 U	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	**50.7 J**	100 U
tert-Butylbenzene	10 U	10 U	5 U	20 U	1.8 U	100 U	200 U	1000 U	100 U	100 U	100 U
Tetrachloroethene (PCE)	0.2 U	0.2 U	2 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	40 U
Toluene	**3.62**	**3.87**	5 U	3 U	**0.54 J**	**6270**	**3550**	**3200**	**1450**	**1520**	**314**
Trichloroethene (TCE)	0.2 U	0.2 U	0.5 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	20 U	20 U	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
Vinyl chloride	0.2 U	0.2 U	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)	**1593.32**	**1436.47**	**688.07**	**1851.1**	**24.72 J**	**86586**	**66786**	**69600**	**75918**	**74532**	**57930**
Total VOC (U = 0)	**1635.662 J**	**1480.647 J**	**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)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**724**	**684**	**652**	**704**	**440**	**570**	--	--	**623**	**637**	**594**
2-Methylnaphthalene	**444**	**417**	**145**	**132**	**4.25**	**35.3**	--	--	**4.62**	**4.46**	**11.6 J**

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-051718-01	GS-051718-02	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	5/17/2018	5/17/2018	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	19–29 ft	19–29 ft
Sample Type	N	FD	N	N	N	N	N	FD	N	FD	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Acenaphthene	**346**	**347**	**311**	**325**	**194**	**171**	--	--	**208**	**207**	**171**
Acenaphthylene	3.84 U	4 U	**5.38**	**8.73**	2.36 U	8.61 U	--	--	**5.97**	**7.99**	**13.7**
Anthracene	**12.1**	**12**	**15.2**	**19.7**	**17.9**	**17.2**	--	--	**11**	**11.1**	**13.8**
Benzo(a)anthracene	0.0879 U	0.082 U	1.65 U	0.641 U	**0.0382 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Benzo(a)pyrene	0.0879 U	0.082 U	1.65 U	0.641 U	**0.0168 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.0879 U	0.082 U	1.65 U	0.641 U	**0.014 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.176 U	0.164 U	3.3 U	1.28 U	**0.0246 J**	3.19 U	--	--	1.35 U	1.38 U	6.75 U
Benzo(k)fluoranthene	0.0879 U	0.082 U	1.65 U	0.641 U	**0.0106 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Carbazole	**399**	**412**	**227**	**331**	**148**	**156**	--	--	**177**	**183**	**154**
Chrysene	0.0879 U	0.082 U	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	0.0879 U	0.082 U	1.65 U	0.641 U	**0.0102 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Dibenzofuran	**17.3**	**16.9**	**18.8**	**20.5**	**13**	**16.2**	--	--	**13.2**	**14**	**17**
Fluoranthene	**4.09**	**4.3**	**5.6**	**6.93**	**6.82**	**9.2**	--	--	**6.75**	**6.98**	**8.12**
Fluorene	**105**	**105**	**86.3**	**96**	**61.4**	**69.9**	--	--	**49.5**	**54.8**	**60.9**
Indeno(1,2,3-c,d)pyrene	0.0879 U	0.082 U	1.65 U	0.641 U	**0.0129 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Naphthalene	**72.7**	**78**	**7.49 J**	**36.1**	**1.77 J**	**20**	--	--	**504**	**468**	**2230**
Phenanthrene	**136**	**131**	**128**	**141**	**116**	**102**	--	--	**76.2**	**76.6**	**68**
Pyrene	**3.37**	**3.66**	**5.51**	**6.2**	**5.86**	**8.32**	--	--	**6.06**	**6.35**	**6.96**
Total PAH (17) (U = 0)	**1123.26**	**1097.96**	**709.48 J**	**771.66**	**408.1568 J**	**432.92**	--	--	**872.1**	**843.28**	**2584.08 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	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	GS-121321-02	GS-030822-02
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	12/13/2021	3/8/2022
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	19–29 ft	19–29 ft
Sample Type	N	FD	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	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**	**0.0696**	**0.0326**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
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	0.002 UJ	**0.00126 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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**129**
Antimony	1 U	1 U	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**	**8.34**	**0.808 J**
Barium	**95.2**	**93.4**	**86**	**75.5**	**75.3**	**311**	**48.4**	**51.8**	**99.6**	**430**	**112**
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	0.2 U	**0.788**
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	0.2 U	**0.259**
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	**7.6**
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	2 U	**1.68 J**	2 U	2 U	2 U	**1.48 J**
Iron	**96000**	**94300**	**90300**	**74600**	**75000**	**304000**	**40800**	**53900**	**95500**	**299000**	**11400**
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	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**4130**	**4040**	**4460**	**4110**	**4080**	**18900**	**2250**	**2710**	**4160**	**14700**	**7950**
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	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	2 U	**185**
Potassium	**4070**	**3930**	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	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	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**	**4.25**	**43.2**
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	2 U	0.4 U
1,1,1-Trichloroethane	40 U	40 U	40 U	20 U	20 U	40 U	40 U	4 U	4 U	2 U	0.4 U
1,1,2,2-Tetrachloroethane	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U	2.5 U	0.5 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	2.5 U	0.5 U
1,1-Dichloroethane	40 U	40 U	40 U	20 U	20 U	40 U	40 U	4 U	4 U	2 U	0.4 U
1,1-Dichloroethene	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U	0.4 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	5 U	1 U
1,2,3-Trichlorobenzene	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U	10 U	2 U
1,2,3-Trichloropropane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
1,2,4-Trichlorobenzene	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U	10 U	2 U
1,2,4-Trimethylbenzene	**58.1 J**	**53.8 J**	**87 J**	**126**	**128**	100 U	100 U	**13.2**	**19**	**14.6**	**7.23**
1,2-Dibromo-3-chloropropane	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U	25 U	5 U
1,2-Dichlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U	2.5 U	0.5 U
1,2-Dichloroethane	40 U	40 U	40 U	20 U	20 U	40 U	40 U	4 U	4 U	2 U	0.4 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	0.4 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	0.4 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	2.5 U	0.5 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	**3.9 J**	**1.36**
1,3-Dichlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U	2.5 U	0.5 U
1,3-Dichloropropane	100 U	100 U	200 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
1,3-Dichloropropene, cis-	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	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	GS-121321-02	GS-030822-02
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	12/13/2021	3/8/2022
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	19–29 ft	19–29 ft
Sample Type	N	FD	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
1,3-Dichloropropene, trans-	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	20 U	5 U	1 U
1,4-Dichlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U	2.5 U	0.5 U
2,2-Dichloropropane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
2-Chlorotoluene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
2-Hexanone (Methyl butyl ketone)	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U	50 U	10 U
4-Chlorotoluene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
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	50 U	10 U
Acetone	2000 U	2000 U	2000 U	1000 U	1000 U	2000 U	2000 U	200 U	200 U	100 U	20 U
Acrylonitrile	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U	10 U	2 U
Benzene	**85000**	**83100**	**90300**	**60300**	**59500**	**6780**	**5360**	**982**	**1250**	**420**	**200**
Bromobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U	2.5 U	0.5 U
Bromochloromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Bromodichloromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Bromoform (Tribromomethane)	100 U	100 U	100 U	50 U	50 U	200 U	100 U	10 U	10 U	5 U	1 U
Bromomethane (Methyl bromide)	500 U	500 U	500 U	250 U	250 U	500 U	500 UJ	50 U	50 U	25 U	5 UJ
Carbon disulfide	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U	50 U	10 U
Carbon tetrachloride (Tetrachloromethane)	200 U	200 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Chlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U	2.5 U	0.5 U
Chloroethane	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U	25 U	5 U
Chloroform	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Chloromethane	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U	25 U	5 U
Cymene, p- (4-Isopropyltoluene)	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	**0.68 J**
Dibromochloromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Dibromomethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Dichlorodifluoromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Dichloromethane (Methylene chloride)	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U	50 U	10 U
Ethylbenzene	**693**	**661**	**943**	**792**	**784**	**88.4**	**113**	**31.2**	**83.9**	**83.9**	**44.8**
Ethylene dibromide (1,2-Dibromoethane)	50 U	50 U	50 U	25 U	25 U	100 U	50 U	5 U	5 U	2.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U	25 U	5 U
Isopropylbenzene (Cumene)	100 U	100 U	100 U	**26.6 J**	**25.8 J**	100 U	100 U	**19.6**	**33.2**	**18.4**	**13.9**
m,p-Xylene	**298**	**281**	**394**	**465**	**465**	100 U	**55 J**	**15.6**	**27.8**	**11.2**	**6.99**
Methyl ethyl ketone (2-Butanone)	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U	50 U	10 U
Methyl tert-butyl ether (MTBE)	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
n-Butylbenzene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	**0.87 J**
n-Propylbenzene	50 U	50 U	50 U	25 U	**12.6 J**	50 U	50 U	**6.65**	**11.4**	**7.5**	**4.45**
o-Xylene	**424**	**413**	**542**	**537**	**535**	**38.1 J**	**53**	**22**	**35.5**	**17**	**11.1**
sec-Butylbenzene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	**0.9 J**
Styrene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
tert-Butylbenzene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U	5 U	1 U
Tetrachloroethene (PCE)	40 U	40 U	40 U	20 U	20 U	**66.7**	40 U	4 U	4 U	2 U	0.4 U
Toluene	**375**	**357**	**496**	**934**	**914**	100 U	**55 J**	**8.19 J**	**7.57 J**	5 U	**1.21**
Trichloroethene (TCE)	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U	10 U	2 U
Vinyl chloride	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**86790**	**84812**	**92675**	**63028**	**62198**	**6906.5 J**	**5636 J**	**1058.99 J**	**1404.77 J**	**532.1**	**264.1**
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**	**576.5 J**	**293.49 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**481**	**467**	**655**	**445**	**499**	**328**	**193**	**245**	**391**	**180**	**109**
2-Methylnaphthalene	**11.5**	**11.2**	**10.3**	33.5 U	33.8 U	**46.2**	**48.1**	**53**	**29.6**	7.33 U	8.28 U

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	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	GS-121321-02	GS-030822-02
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	12/13/2021	3/8/2022
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	19–29 ft	19–29 ft
Sample Type	N	FD	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Acenaphthene	**172**	**174**	**201**	**134**	**147**	**91.6**	**81.6**	**116**	**159**	**183**	**77.3**
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	4.58 U	**5.54**
Anthracene	**14.8**	**14.4**	**16.4**	**13 J**	**12.7 J**	**6.76**	**7.1**	**7.57**	**9.42**	**9.53**	**2.69 J**
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	1.83 U	2.07 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	1.83 U	2.07 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)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	1.83 U	2.07 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
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	3.66 U	4.14 U
Benzo(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	1.83 U	2.07 U
Carbazole	**242**	**243**	**245**	**173**	**185**	**115**	**54.5**	**93.8**	**95.2**	**66.4**	**28.5**
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	1.83 U	2.07 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	1.83 U	2.07 U
Dibenzofuran	**18.4**	**19.3**	**19.7**	**15.3 J**	**17.1**	**8.76**	**6.71**	**9.02**	**11.5**	**6.37**	**2.9 J**
Fluoranthene	**7.86**	**8.02**	**7.28**	16.7 U	16.9 U	**3.41**	**2.9**	**3.85**	**4.94**	**3.89**	4.14 U
Fluorene	**73.5**	**77.3**	**84.5**	**59**	**65.4**	**40.3**	**38.6**	**40.6**	**52.1**	**39.2**	**14.2**
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	1.83 U	2.07 U
Naphthalene	**3140**	**3160**	**4970**	**3780**	**4210**	**572**	**616**	**135**	**172**	**596**	**167**
Phenanthrene	**76.5**	**76.5**	**86.8**	**73.7**	**82.7**	**56.1**	**54.4**	**50.8**	**72.3**	**57.3**	**13**
Pyrene	**7.88**	**8.22**	**7.7**	16.7 U	16.9 U	**3.9**	**3.02**	**3.82**	**4.59**	**3.16 J**	4.14 U
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**	**892.08 J**	**279.73 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-030822-03	GS-062022-15	GS-090722-03	GS-090722-04	GS-101722-137	GS-121422-01	GS-030923-06	GS-061423-09	GS-091123-06	GS-121223-07	GS-031224-07
Sample Date	3/8/2022	6/20/2022	9/7/2022	9/7/2022	10/17/2022	12/14/2022	3/9/2023	6/14/2023	9/11/2023	12/12/2023	3/12/2024
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	19–29 ft	19–29 ft
Sample Type	FD	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Conventional Parameters (mg/L)											
Cyanide	**0.0329**	**0.057**	**0.114**	**0.114**	--	**0.0864**	**0.148**	**0.127**	**0.105**	**0.0525**	**0.109**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	--	0.002 U	0.002 U	**0.00199 J**	**0.00201**	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	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**128**	**43.8 J**	50 U	50 U	--	50 U	**51.4**	50 U	50 U	50 U	**47.6 J**
Antimony	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.872 J**	**3.54**	**6.75**	**6.78**	--	**6.97**	**4.54**	**3.97**	**4.75**	**5.06**	**2.71**
Barium	**120**	**257**	**46**	**45.6**	--	**112**	**69.7**	**64.3**	**22.4**	**238**	**63.1**
Beryllium	**0.867**	**0.151 J**	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.117 J**
Cadmium	**0.253**	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.348**
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	**4.15**	**10.7**	**4.45**	**3.87**	--	**1.03 J**	**10.4**	**4.97**	2 U	2 U	**6.93**
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**1.4 J**	**1.03 J**	2 UJ	**1.61 J**	--	2 U	2 U	2 U	2 U	2 U	**12.6**
Iron	**12900**	**98400**	**28300**	**28000**	--	**56200**	**32400**	**29000**	**17000**	**143000**	**7430**
Lead	0.2 U	0.2 U	0.2 UJ	0.2 UJ	--	0.2 U	**0.5**	0.2 U	0.2 U	0.2 U	**0.652**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**8620**	**6560**	**1210**	**1200**	--	**2620**	**1870**	**1620**	**830**	**7830**	**1970**
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	0.08 U
Nickel	**194**	**37.1**	**7.39**	**6.37**	--	**3.91**	**5.25**	**7.02**	2 U	**2.01**	**101**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	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	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	0.2 U
Vanadium	2 U	2 U	**2.27**	**2.4**	--	2 U	**1.43 J**	**1.02 J**	**2.28**	2 U	**1.25 J**
Zinc	**45.8**	**9.1**	4 U	4 U	--	**2.06 J**	**2.62 J**	**2.76 J**	**2.1 J**	**2.23 J**	**25.9**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.4 U	4 U	2 U	2 U	--	2 U	4 U	0.4 U	2 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.4 U	4 U	2 U	2 U	--	2 U	4 U	0.4 U	2 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	4 U	2 U	2 U	--	2 U	4 U	0.4 U	2 U	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	0.2 U	0.1 U	0.1 U	--	0.5 U	0.5 U	0.4 U	0.5 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	20 U	10 U	10 U	--	10 U	20 U	2 U	10 U	2 U	2 U
1,2,3-Trichloropropane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
1,2,4-Trichlorobenzene	2 U	20 U	10 U	10 U	--	10 U	20 U	2 U	10 U	2 U	2 U
1,2,4-Trimethylbenzene	**8.88**	**14.1**	**12.8**	**12.8**	--	**13**	**20.3**	**8.09**	**12.5**	**5.75**	**2.74**
1,2-Dibromo-3-chloropropane	5 U	50 U	25 U	25 U	--	25 U	50 U	5 U	25 U	5 U	5 U
1,2-Dichlorobenzene	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	4 U	2 U	2 U	--	2 U	4 U	0.4 U	2 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.2 U	0.1 U	0.1 U	--	0.675 U	0.5 U	0.4 U	0.5 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.2 U	0.1 U	0.1 U	--	0.5 U	0.5 U	0.4 U	0.5 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**1.72**	10 U	**3.3 J**	**3.2 J**	--	**2.7 J**	10 U	**1.6**	**3.15 J**	**0.59 J**	1 U
1,3-Dichlorobenzene	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-030822-03	GS-062022-15	GS-090722-03	GS-090722-04	GS-101722-137	GS-121422-01	GS-030923-06	GS-061423-09	GS-091123-06	GS-121223-07	GS-031224-07
Sample Date	3/8/2022	6/20/2022	9/7/2022	9/7/2022	10/17/2022	12/14/2022	3/9/2023	6/14/2023	9/11/2023	12/12/2023	3/12/2024
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	19–29 ft	19–29 ft
Sample Type	FD	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
1,3-Dichloropropene, trans-	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
1,4-Dichlorobenzene	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
2-Chlorotoluene	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	100 U	50 U	50 U	--	50 U	100 U	10 U	50 U	10 U	10 U
4-Chlorotoluene	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	100 U	50 U	50 U	--	50 U	100 U	10 U	50 U	10 U	10 U
Acetone	20 U	200 U	100 U	100 U	--	100 U	200 U	20 U	100 U	20 U	20 U
Acrylonitrile	2 U	20 U	10 U	10 U	--	10 U	20 U	2 U	10 U	2 U	2 U
Benzene	**188**	**231**	**110**	**103**	--	**36.6**	**34.3**	**54.5**	**14.3**	**8.37**	**5.04**
Bromobenzene	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Bromodichloromethane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	50 U	25 UJ	25 UJ	--	25 U	50 UJ	5 U	25 U	5 U	5 U
Carbon disulfide	10 U	100 U	50 U	50 U	--	50 U	100 U	10 U	50 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Chlorobenzene	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
Chloroethane	5 U	50 U	25 U	25 U	--	25 U	50 U	5 U	25 U	5 U	5 U
Chloroform	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Chloromethane	5 U	50 U	25 U	25 U	--	25 U	50 U	5 U	25 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Dibromochloromethane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Dibromomethane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Dichlorodifluoromethane	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	100 U	50 U	50 U	--	50 U	100 U	10 U	50 U	10 U	10 U
Ethylbenzene	**42.9**	**66.2**	**54.6**	**55**	--	**132**	**75.9**	**18.7**	**62.9**	**16.6**	**8.61**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	5 U	0.5 U	2.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	50 U	25 U	25 U	--	25 U	50 U	5 U	25 U	5 U	5 U
Isopropylbenzene (Cumene)	**17.5**	**14.4**	**14.9**	**15.2**	--	**10**	**18.6**	**17.8**	**15.9**	**9.88**	**11.7**
m,p-Xylene	**7.25**	**14.5**	**10.4**	**10.4**	--	**13**	**8.5 J**	**4.94**	**9.4**	**2.13**	**1.61**
Methyl ethyl ketone (2-Butanone)	10 U	100 U	50 U	50 U	--	50 U	100 U	10 U	50 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
n-Butylbenzene	1 U	10 U	5 U	5 U	--	5 U	10 U	**1.27**	5 U	**0.6 J**	**0.53 J**
n-Propylbenzene	**5.32**	**5.6**	**5.8**	**5.95**	--	**4.05**	**8.5**	**6.16**	**7.1**	**2.77**	**3.41**
o-Xylene	**11.5**	**22.2**	**17.4**	**17.7**	--	**45.5**	**14.8**	**8.07**	**21.4**	**7.37**	**4.11**
sec-Butylbenzene	**0.89 J**	10 U	5 U	5 U	--	5 U	10 U	**1.37**	5 U	**0.81 J**	**0.95 J**
Styrene	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
tert-Butylbenzene	1 U	10 U	5 U	5 U	--	5 U	10 U	1 U	5 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	4 U	2 U	2 U	--	2 U	4 U	0.4 U	2 U	0.4 U	0.4 U
Toluene	**1.19**	10 U	5 U	5 U	--	5 U	10 U	**0.84 J**	5 U	1 U	1 U
Trichloroethene (TCE)	0.4 U	0.2 U	0.1 U	0.1 U	--	0.75 U	0.5 U	0.4 U	0.5 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	20 U	10 U	10 U	--	10 U	20 U	2 U	10 U	2 U	2 U
Vinyl chloride	0.4 U	0.2 U	0.1 U	0.1 U	--	0.5 U	0.5 U	0.4 U	0.5 U	0.2 U	0.2 U
Total BTEX (U = 0)	**250.84**	**333.9**	**192.4**	**186.1**	--	**227.1**	**133.5 J**	**87.05 J**	**108**	**34.47**	**19.37**
Total VOC (U = 0)	**285.15 J**	**368**	**229.2 J**	**223.25 J**	--	**256.85 J**	**180.9 J**	**123.34 J**	**146.65 J**	**54.87 J**	**38.7 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**127**	**196**	**215**	**225**	--	**172**	**217**	**237**	**248**	**152**	**100**
2-Methylnaphthalene	**1.56**	**18.7**	**14.6**	**14.5**	--	10.3 U	**38.6**	**16.5**	**70.6**	**7.78 J**	**0.675 J**

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-030822-03	GS-062022-15	GS-090722-03	GS-090722-04	GS-101722-137	GS-121422-01	GS-030923-06	GS-061423-09	GS-091123-06	GS-121223-07	GS-031224-07
Sample Date	3/8/2022	6/20/2022	9/7/2022	9/7/2022	10/17/2022	12/14/2022	3/9/2023	6/14/2023	9/11/2023	12/12/2023	3/12/2024
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	19–29 ft	19–29 ft
Sample Type	FD	N	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Acenaphthene	**88**	**167**	**173**	**176**	--	**143**	**160**	**168**	**169**	**103**	**83**
Acenaphthylene	3.69 U	**24.1**	**23.7**	**25.6**	--	**19.7**	12.7 UJ	**22**	8.99 U	10.3 U	5.85 U
Anthracene	**3.86**	**4.61 J**	**5.76**	**5.89**	--	**7.56**	**6.1 J**	**5.92**	**6.02**	**4.52**	**2.51**
Benzo(a)anthracene	**0.0194**	2.39 U	2.04 U	1.93 U	--	2.58 U	4.07 U	1.88 U	1.8 U	2.01 U	0.213 U
Benzo(a)pyrene	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	4.07 U	1.88 U	1.8 U	2.01 U	0.213 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	4.07 U	1.88 U	1.8 U	2.01 U	0.213 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0369 U	4.79 U	4.08 U	3.86 U	--	5.17 U	8.14 U	3.76 U	3.6 U	4.01 U	0.425 U
Benzo(k)fluoranthene	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	4.07 U	1.88 U	1.8 U	2.01 U	0.213 U
Carbazole	**40.1**	**44.4**	**45.8**	**47.4**	--	**47.3**	**46.3**	**39.6**	--	--	--
Chrysene	**0.0166 J**	2.39 U	2.04 U	1.93 U	--	2.58 U	4.07 U	1.88 U	1.8 U	2.01 U	0.213 U
Dibenzo(a,h)anthracene	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	4.07 U	1.88 U	1.8 U	2.01 U	0.213 U
Dibenzofuran	**3.74**	**6.52**	**6.99**	**7.09**	--	**7.56**	**7.12 J**	**6.95**	**6.43**	**5.12**	**3.28**
Fluoranthene	**1.42**	**2.45 J**	**2.81 J**	**2.89 J**	--	**3.17 J**	8.14 U	**2.68 J**	**2.88 J**	**2.11 J**	**1.07**
Fluorene	**17.7**	**29**	**25.8**	**26.9**	--	**36.3**	**30.2**	**37.3**	**40.4**	**29.9**	**19.6**
Indeno(1,2,3-c,d)pyrene	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	4.07 U	1.88 U	1.8 U	2.01 U	0.213 U
Naphthalene	**195**	**834**	**443**	**446**	--	**1130**	**1070**	**183**	**548**	**149**	**9.92**
Phenanthrene	**13.6**	**22.4**	**31**	**31.5**	--	**41.6**	**22.2**	**20.7**	**25.2**	**20.4**	**7.44**
Pyrene	**1.53**	4.79 U	4.08 U	**2.22 J**	--	5.17 U	8.14 U	**2.3 J**	**2.11 J**	4.01 U	**0.829**
Total PAH (17) (U = 0)	**322.706 J**	**1102.26 J**	**719.67 J**	**731.5 J**	--	**1381.33 J**	**1327.1 J**	**458.4 J**	**864.21 J**	**316.71 J**	**125.044 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	**7.19**	--	--	--	**3.08 J**	**2.35**	**1.62 J**
Gasoline-range hydrocarbons	--	--	--	--	**15.6**	--	--	--	**6.48**	**2.93**	**2.32**
Oil-range organics	--	--	--	--	0.377 U	--	--	--	0.377 U	0.392 U	**0.242 J**

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-061024-07	GS-010421-01	GS-032921-95	GS-060721-05	GS-090121-06	GS-121321-04	MW50F-033023-GW	GS-121620-16	GS-030421-02	GS-060721-04	GS-090121-07
Sample Date	6/10/2024	1/4/2021	3/29/2021	6/7/2021	9/1/2021	12/13/2021	3/30/2023	12/16/2020	3/4/2021	6/7/2021	9/1/2021
Depth	19–29 ft	14.1–23.8 ft	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623427.421	7623427.421	7623427.421	7623427.421
Y	705461.64	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705385.198	705385.198	705385.198	705385.198
Conventional Parameters (mg/L)											
Cyanide	**0.169**	**0.0225**	**0.0718**	**0.0338**	0.0438 UJ	**0.0327**	**0.0371**	**0.0548**	**0.0647**	**0.0451**	0.0393 UJ
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00298**	**0.00109 J**	**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	0.005 U	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	--	**386**	50 U	50 U	**346**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	--	**0.633 J**	1 U	1 U	1 U
Arsenic	**3.47**	**2.35**	**4.62**	**6.34**	**5.27**	**4.01**	--	**6.6**	**6.16**	**5.63**	**6.14**
Barium	**25**	**33.3**	**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	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	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	1 U	1 U	2 U	2 U	2 U	--	**0.812 J**	1 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	**1.65 J**	2 U	2 U	2 U	2 U	--	**1.05 J**	2 U	2 U	2 U
Iron	**14100**	**8530**	**31500**	**53600**	**53000**	**39900**	--	**77600**	**65300**	**43100**	**47800**
Lead	0.2 U	0.2 U	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	**845**	**2120**	**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	0.08 U	0.08 U
Nickel	**2.79**	**8.59**	**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	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	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	0.2 U
Vanadium	2 U	**1.18 J**	2 U	**1.23 J**	2 U	2 U	--	**1.68 J**	2 U	2 U	**1.64 J**
Zinc	**5.59**	**28**	**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	0.8 U	20 U	0.4 U	40 U	40 U	40 U	10 U	0.4 U	40 U	4 U	0.8 U
1,1,1-Trichloroethane	0.8 U	20 U	0.4 U	40 U	40 U	40 U	10 U	0.4 U	40 U	4 U	0.8 U
1,1,2,2-Tetrachloroethane	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
1,1-Dichloroethane	0.8 U	20 U	0.4 U	40 U	40 U	40 U	10 U	**0.465**	40 U	4 U	0.8 U
1,1-Dichloroethene	0.5 UJ	50 U	0.4 U	0.5 U	40 U	40 U	10 U	0.4 U	40 U	0.2 U	0.4 U
1,1-Dichloropropene	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
1,2,3-Trichlorobenzene	4 U	100 U	2 U	200 U	200 U	200 U	50 U	2 U	200 U	20 U	4 U
1,2,3-Trichloropropane	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
1,2,4-Trichlorobenzene	4 U	100 U	2 U	200 U	200 U	200 U	50 U	2 U	200 U	20 U	4 U
1,2,4-Trimethylbenzene	**6.14**	**52.5**	**73.2**	**78 J**	**70 J**	**58 J**	**30.8**	**155**	**85 J**	**145**	**78.5**
1,2-Dibromo-3-chloropropane	10 U	250 U	5 U	500 U	500 U	500 U	125 U	5 U	500 U	50 U	10 U
1,2-Dichlorobenzene	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
1,2-Dichloroethane	0.8 U	20 U	0.4 U	40 U	40 U	40 U	10 U	0.4 U	40 U	4 U	0.8 U
1,2-Dichloroethene, cis-	0.5 UJ	20 U	0.4 U	**0.306 J**	40 U	40 U	10 U	0.4 U	40 U	0.2 U	0.4 U
1,2-Dichloroethene, trans-	0.5 UJ	20 U	0.4 U	0.5 U	40 U	40 U	10 U	0.4 U	40 U	0.2 U	0.4 U
1,2-Dichloropropane	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	**1.58 J**	50 U	**21.4**	100 U	100 U	100 U	25 U	**37.3**	100 U	**26.8**	**18.6**
1,3-Dichlorobenzene	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
1,3-Dichloropropane	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
1,3-Dichloropropene, cis-	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-061024-07	GS-010421-01	GS-032921-95	GS-060721-05	GS-090121-06	GS-121321-04	MW50F-033023-GW	GS-121620-16	GS-030421-02	GS-060721-04	GS-090121-07
Sample Date	6/10/2024	1/4/2021	3/29/2021	6/7/2021	9/1/2021	12/13/2021	3/30/2023	12/16/2020	3/4/2021	6/7/2021	9/1/2021
Depth	19–29 ft	14.1–23.8 ft	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623427.421	7623427.421	7623427.421	7623427.421
Y	705461.64	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705385.198	705385.198	705385.198	705385.198
1,3-Dichloropropene, trans-	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	4 U
1,4-Dichlorobenzene	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
2,2-Dichloropropane	2 U	50 U	1 U	100 U	100 UJ	100 U	25 U	1 U	100 U	10 U	2 U
2-Chlorotoluene	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
2-Hexanone (Methyl butyl ketone)	20 U	500 U	10 U	1000 U	1000 U	1000 U	250 U	10 U	1000 U	100 U	20 U
4-Chlorotoluene	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20 U	500 U	10 U	1000 U	1000 U	1000 U	250 U	10 U	1000 U	100 U	20 U
Acetone	40 U	1000 U	20 U	2000 U	2000 U	2000 U	500 U	20 U	2000 U	200 U	40 U
Acrylonitrile	4 U	100 U	2 U	200 U	200 U	200 U	50 U	2 U	200 U	20 U	4 U
Benzene	**5.74**	**826**	**592**	**2560**	**12100**	**7050**	**825**	**4490**	**3160**	**387**	**243**
Bromobenzene	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
Bromochloromethane	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Bromodichloromethane	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Bromoform (Tribromomethane)	2 U	50 UJ	1 U	100 U	100 U	100 U	25 U	2 U	100 U	10 U	2 U
Bromomethane (Methyl bromide)	10 U	250 UJ	5 U	500 UJ	500 UJ	500 U	125 U	5 U	500 UJ	50 UJ	10 U
Carbon disulfide	20 U	500 UJ	10 U	1000 U	1000 U	1000 U	250 U	10 U	1000 U	100 U	20 U
Carbon tetrachloride (Tetrachloromethane)	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Chlorobenzene	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	0.5 U	50 U	5 U	1 U
Chloroethane	10 U	250 U	5 U	500 U	500 U	500 U	125 U	5 U	500 U	50 U	10 U
Chloroform	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Chloromethane	10 U	250 U	5 U	500 U	500 U	500 U	125 U	5 U	500 U	50 U	10 U
Cymene, p- (4-Isopropyltoluene)	2 U	50 U	**7.21 J**	100 U	100 U	100 U	25 U	**7.38**	100 U	**17.5 J**	**12.2 J**
Dibromochloromethane	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Dibromomethane	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Dichlorodifluoromethane	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Dichloromethane (Methylene chloride)	20 U	500 U	10 U	1000 U	1000 U	1000 U	250 U	10 U	1000 U	100 U	20 U
Ethylbenzene	**34**	**304**	**372**	**503**	**524**	**353**	**160**	**285**	**336**	**457**	**336**
Ethylene dibromide (1,2-Dibromoethane)	1 U	25 U	0.5 U	50 U	50 U	50 U	12.5 U	1 U	50 U	5 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	10 U	250 U	5 U	500 U	500 U	500 U	125 U	5 U	500 U	50 U	10 U
Isopropylbenzene (Cumene)	**17.7**	**26 J**	**75.3**	**68 J**	**64 J**	100 U	**21.2 J**	**56**	100 U	**86.6**	**89.3**
m,p-Xylene	**4.46**	**124**	**75.3**	**76 J**	**111**	**77 J**	**42**	**102**	**85 J**	**60**	**46.3**
Methyl ethyl ketone (2-Butanone)	20 U	500 U	10 U	1000 U	1000 U	1000 U	250 U	10 U	1000 U	100 U	20 U
Methyl tert-butyl ether (MTBE)	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
n-Butylbenzene	**1.1 J**	50 U	**2.06**	100 U	100 U	100 U	25 U	**2.47**	100 U	**7 J**	**4.43**
n-Propylbenzene	**5.86**	25 U	**30.4**	**55**	**61**	**29 J**	**16.5**	**20.3**	50 U	**43.6**	**39.4**
o-Xylene	**11.2**	**84**	**109**	**108**	**123**	**79**	**53.2**	**127**	**74**	**121**	**109**
sec-Butylbenzene	**1.08 J**	50 U	**5.88**	100 U	100 U	100 U	25 U	**1.99**	100 U	**11**	**8.52**
Styrene	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
tert-Butylbenzene	2 U	50 U	1 U	100 U	100 U	100 U	25 U	1 U	100 U	10 U	2 U
Tetrachloroethene (PCE)	0.8 U	50 U	0.4 U	40 U	40 U	40 U	10 U	0.4 U	40 U	4 U	0.8 U
Toluene	2 U	50 U	**10.3**	100 U	100 U	100 U	25 U	**18.4**	100 U	10 U	**5.06**
Trichloroethene (TCE)	0.5 UJ	20 U	0.4 U	0.5 U	40 U	40 U	10 U	0.4 U	40 U	0.2 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	4 U	100 U	2 U	200 U	200 U	200 U	50 U	2 U	200 U	20 U	4 U
Vinyl chloride	0.5 UJ	20 U	0.4 U	0.5 U	40 U	40 U	10 U	0.4 U	40 U	0.2 U	0.4 U
Total BTEX (U = 0)	**55.4**	**1338**	**1158.6**	**3247 J**	**12858**	**7559 J**	**1080.2**	**5022.4**	**3655 J**	**1025**	**739.36**
Total VOC (U = 0)	**88.86 J**	**1416.5 J**	**1374.05 J**	**3448.306 J**	**13053 J**	**7646 J**	**1148.7 J**	**5303.305**	**3740 J**	**1362.5 J**	**990.31 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**233**	**743**	**541**	**780**	**607**	**538**	**205**	**645**	**596**	**596**	**734**
2-Methylnaphthalene	**62.2**	**1060**	**673**	**1060**	**838**	**736**	**250**	**229**	**374**	**527**	**589**

Table 3
Laboratory Testing Results

Location ID	MW-49F	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-061024-07	GS-010421-01	GS-032921-95	GS-060721-05	GS-090121-06	GS-121321-04	MW50F-033023-GW	GS-121620-16	GS-030421-02	GS-060721-04	GS-090121-07
Sample Date	6/10/2024	1/4/2021	3/29/2021	6/7/2021	9/1/2021	12/13/2021	3/30/2023	12/16/2020	3/4/2021	6/7/2021	9/1/2021
Depth	19–29 ft	14.1–23.8 ft	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623427.421	7623427.421	7623427.421	7623427.421
Y	705461.64	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705385.198	705385.198	705385.198	705385.198
Acenaphthene	**166**	**240**	**250**	**274**	**236**	**226**	**130**	**109**	**119**	**225**	**197**
Acenaphthylene	11.8 U	13 U	11.2 U	10.5 U	7.75 U	18.5 U	39.1 U	8.47 U	8.17 U	7.47 U	7.94 U
Anthracene	**5.61**	**12.7**	**16.5**	**16.7**	**14.4**	**11.1 J**	39.1 U	**7.28**	**8.56**	**9.91**	**8**
Benzo(a)anthracene	1.71 U	**1.04 J**	1.79 U	3.35 U	2.07 U	9.24 U	19.6 U	0.714 U	0.817 U	0.703 U	2.12 U
Benzo(a)pyrene	1.71 U	**0.839 J**	1.79 U	3.35 U	2.07 U	9.24 U	19.6 U	0.714 U	0.817 U	0.703 U	2.12 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	1.71 U	1.6 U	1.79 U	3.35 U	2.07 U	9.24 U	19.6 U	0.714 U	0.817 U	0.703 U	2.12 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.43 U	3.2 U	3.57 U	6.71 U	4.13 U	18.5 U	39.1 U	1.43 U	1.63 U	1.41 U	4.24 U
Benzo(k)fluoranthene	1.71 U	1.6 U	1.79 U	3.35 U	2.07 U	9.24 U	19.6 U	0.714 U	0.817 U	0.703 U	2.12 U
Carbazole	--	**210**	**167**	**244**	**228**	**230**	**148**	**187**	**205**	**190**	**156**
Chrysene	1.71 U	**0.879 J**	1.79 U	3.35 U	2.07 U	9.24 U	19.6 U	0.714 U	0.817 U	0.703 U	2.12 U
Dibenzo(a,h)anthracene	1.71 U	1.6 U	1.79 U	3.35 U	2.07 U	9.24 U	19.6 U	0.714 U	0.817 U	0.703 U	2.12 U
Dibenzofuran	**6.64**	**15.9**	**18.6**	**21.4**	**19.1**	**17.6 J**	39.1 U	**11.4**	**12.6**	**19.5**	**16.6**
Fluoranthene	**2.27 J**	**14.6**	**14.7**	**13.5**	**11.2**	**9.7 J**	39.1 U	**2.77**	**2.6**	**2.83**	4.24 U
Fluorene	**36.4**	**74.8**	**73.3**	**87.1**	**79.9**	**69.5**	**40.1**	**51**	**53.1**	**68.8**	**68**
Indeno(1,2,3-c,d)pyrene	1.71 U	1.6 U	1.79 U	3.35 U	2.07 U	9.24 U	19.6 U	0.714 U	0.817 U	0.703 U	2.12 U
Naphthalene	**344**	**6280**	**983**	**1430**	**1150**	**2280**	**1590**	**497**	**454**	**466**	**160**
Phenanthrene	**21.9**	**83.4**	**133**	**138**	**115**	**105**	**86.6**	**62.7**	**71**	**76.9**	**66.1**
Pyrene	**1.97 J**	**15.3**	**15**	**13.7**	**11.7**	**11.8 J**	39.1 U	**2.18**	**2.41**	**2.58**	4.24 U
Total PAH (17) (U = 0)	**640.35 J**	**7783.558 J**	**2158.5**	**3033**	**2456.2**	**3449.1 J**	**2096.7**	**960.93**	**1084.67**	**1379.02**	**1088.1**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**3.15 J**	--	--	--	--	--	**7.37 J**	--	--	--	--
Gasoline-range hydrocarbons	**4.93**	--	--	--	--	--	**12.3**	--	--	--	--
Oil-range organics	0.385 U	--	--	--	--	--	0.385 U	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-121321-01	GS-030822-01	GS-062022-14	GS-090722-01	GS-121422-03	GS-030923-07	GS-061523-12	GS-091123-03	GS-121423-18	GS-031224-06	GS-061224-16
Sample Date	12/13/2021	3/8/2022	6/20/2022	9/7/2022	12/14/2022	3/9/2023	6/15/2023	9/11/2023	12/14/2023	3/12/2024	6/12/2024
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	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	15.5–25.2 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421
Y	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198
Conventional Parameters (mg/L)											
Cyanide	**0.0255**	**0.0293**	**0.0307**	**0.0368**	**0.0393**	**0.0412 J**	**0.0387**	**0.0362**	**0.044**	**0.0298**	**0.037**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 UJ	**0.00107 J**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.00618**	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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**37.7 J**	50 U	50 U	50 U	50 U	50 U	**224**	50 U	50 U	**27.7 J**	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**6.06**	**5.57**	**5.07**	**5.31**	**6.06**	**5.41**	**5.3**	**5.14**	**5.08**	**5.51**	**5.04**
Barium	**51.5**	**37.5**	**36.5**	**31.6**	**39.8**	**35**	**30**	**36.4**	**40.3**	**35.9**	**28.5**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	**2.63 J**	2 U	2 U	2 U	2 U	**1.04 J**	2 U	2 U
Iron	**48700**	**45000**	**41900**	**38100**	**48000**	**40000**	**32800**	**45900**	**50400**	**41800**	**40200**
Lead	0.2 U	0.2 U	**0.399**	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	**3250**	**2360**	**2300**	**1700**	**2080**	**1710**	**1560**	**1510**	**1720**	**1410**	**1330**
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	0.08 U	0.08 U
Nickel	2 U	2 U	2 U	2 U	2 U	2 U	**1.02 J**	2 U	2 U	2 U	2 U
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	2 U	**1.12 J**	2 U	2 U	2 U	2 U
Zinc	**9.53**	**3.86 J**	**4.71**	4 U	**2.05 J**	**3.77 J**	**3.4 J**	4 U	**2.8 J**	**3.98 J**	4 U
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	2 U	4 U	4 U	2 U	2 U	2 U	0.8 U	20 U	20 U	2 U	0.4 U
1,1,1-Trichloroethane	2 U	4 U	4 U	2 U	2 U	2 U	0.8 U	20 U	20 U	2 U	0.4 U
1,1,2,2-Tetrachloroethane	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 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	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
1,1-Dichloroethane	2 U	4 U	4 U	2 U	2 U	2 U	0.8 U	20 U	20 U	2 U	0.4 U
1,1-Dichloroethene	0.4 U	0.4 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.4 U
1,1-Dichloropropene	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
1,2,3-Trichlorobenzene	10 U	20 U	20 U	10 U	10 U	10 U	4 U	100 U	100 U	10 U	2 U
1,2,3-Trichloropropane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
1,2,4-Trichlorobenzene	10 U	20 U	20 U	10 U	10 U	10 U	4 U	100 U	100 U	10 U	2 U
1,2,4-Trimethylbenzene	**88.4**	**141**	**103**	**56.1**	**64.8**	**97.8**	**75.7**	**37 J**	**27.5 J**	**61.8**	**73.8**
1,2-Dibromo-3-chloropropane	25 U	50 U	50 U	25 U	25 U	25 U	10 U	250 U	250 U	25 U	5 U
1,2-Dichlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
1,2-Dichloroethane	2 U	4 U	4 U	2 U	2 U	2 U	0.8 U	20 U	20 U	2 U	0.4 U
1,2-Dichloroethene, cis-	**0.379 J**	0.4 U	**0.185 J**	0.5 U	0.55 U	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.4 U
1,2-Dichloropropane	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**21.4**	**41.1**	**32.5**	**22.8**	**16.8**	**15.7**	**14.4**	50 U	50 U	**9.7**	**12.4**
1,3-Dichlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
1,3-Dichloropropane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
1,3-Dichloropropene, cis-	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-121321-01	GS-030822-01	GS-062022-14	GS-090722-01	GS-121422-03	GS-030923-07	GS-061523-12	GS-091123-03	GS-121423-18	GS-031224-06	GS-061224-16
Sample Date	12/13/2021	3/8/2022	6/20/2022	9/7/2022	12/14/2022	3/9/2023	6/15/2023	9/11/2023	12/14/2023	3/12/2024	6/12/2024
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	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	15.5–25.2 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421
Y	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198
1,3-Dichloropropene, trans-	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
1,4-Dichlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
2,2-Dichloropropane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
2-Chlorotoluene	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
2-Hexanone (Methyl butyl ketone)	50 U	100 U	100 U	50 U	50 U	50 U	20 U	500 U	500 U	50 U	10 U
4-Chlorotoluene	5 U	10 U	10 U	5 U	10 U	5 U	2 U	50 U	50 U	5 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	50 U	100 U	100 U	50 U	50 U	50 U	20 U	500 U	500 U	50 U	10 U
Acetone	100 U	200 U	200 U	100 U	100 U	100 U	40 U	1000 U	1000 U	100 U	20 U
Acrylonitrile	10 U	20 U	20 U	10 U	10 U	10 U	4 U	100 U	100 U	10 U	2 U
Benzene	**284**	**1620**	**732**	**141**	**120**	**108**	**101**	**182**	**188**	**404**	**91.8**
Bromobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
Bromochloromethane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Bromodichloromethane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Bromoform (Tribromomethane)	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Bromomethane (Methyl bromide)	25 U	50 U	50 U	25 UJ	25 U	25 UJ	10 U	250 U	250 U	25 U	5 U
Carbon disulfide	50 U	100 U	100 U	50 U	50 U	50 U	20 U	500 U	500 U	50 U	10 U
Carbon tetrachloride (Tetrachloromethane)	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Chlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
Chloroethane	25 U	50 U	50 U	25 U	25 U	25 U	10 U	250 U	250 U	25 U	5 U
Chloroform	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Chloromethane	25 U	50 U	50 U	25 U	25 U	25 U	10 U	250 UJ	250 U	25 U	5 U
Cymene, p- (4-Isopropyltoluene)	7.5 U	**11.2 J**	**11.3 J**	**13.5 J**	**13**	**14.5 J**	**12.3 J**	50 U	50 U	**11.4**	**11.8**
Dibromochloromethane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Dibromomethane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Dichlorodifluoromethane	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
Dichloromethane (Methylene chloride)	50 U	100 U	100 U	50 U	50 U	50 U	20 U	500 U	500 U	50 U	10 U
Ethylbenzene	**448**	**584**	**491**	**309**	**370**	**381**	**275**	**180**	**195**	**220**	**218**
Ethylene dibromide (1,2-Dibromoethane)	2.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	1 U	25 U	25 U	2.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	25 U	50 U	50 U	25 U	25 U	25 U	10 U	250 U	250 U	25 U	5 U
Isopropylbenzene (Cumene)	**56.5**	**76.8**	**69.3**	**75.8**	**77.8**	**80.3**	**83.7**	**66.5**	**35.5 J**	**87.6**	**85**
m,p-Xylene	**65.9**	**101**	**80.3**	**31.4**	**38.2**	**39.2**	**30.3**	**32 J**	50 U	**37.6**	**26.2**
Methyl ethyl ketone (2-Butanone)	50 U	100 U	100 U	50 U	50 U	50 U	20 U	500 U	500 U	50 U	10 U
Methyl tert-butyl ether (MTBE)	5 U	10 U	10 U	5 U	5 U	5 U	2 U	50 U	50 U	5 U	1 U
n-Butylbenzene	5 U	10 U	10 U	**3.9 J**	**3.95 J**	**4.6 J**	**3.56**	50 U	50 U	**3.25 J**	**3.83**
n-Propylbenzene	**28.8**	**39.2**	**31.5**	**35.4**	**34.4**	**42.2**	**36**	**54**	**26.5**	**48**	**44.3**
o-Xylene	**133**	**149**	**89.3**	**90.8**	**107**	**114**	**91**	**53.5**	**42**	**60.8**	**73.5**
sec-Butylbenzene	**4.35 J**	**5.4 J**	**5 J**	**7.9**	**7**	**8.6**	**7.78**	50 U	50 U	**6.5**	**8.97**
Styrene	5 U	10 U	10 U	5 U	**2.95 J**	5 U	2 U	50 U	50 U	5 U	1 U
tert-Butylbenzene	5 U	10 U	10 U	6 U	10 U	10 UJ	5.4 U	50 U	50 U	5 U	3 U
Tetrachloroethene (PCE)	2 U	4 U	4 U	2 U	2 U	2 U	0.8 U	20 U	20 U	2 U	0.4 U
Toluene	5 U	**15.4**	**10.4**	**3.05 J**	**2.65 J**	5 U	**2.56**	50 U	50 U	**4.3 J**	**2.29**
Trichloroethene (TCE)	**0.779 J**	0.4 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	10 U	20 U	20 U	10 U	10 U	10 U	4 U	100 U	100 U	10 U	2 U
Vinyl chloride	0.4 U	0.4 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U	0.2 U
Total BTEX (U = 0)	**930.9**	**2469.4**	**1403**	**575.25 J**	**637.85 J**	**642.2**	**499.86**	**447.5 J**	**425**	**726.7 J**	**411.79**
Total VOC (U = 0)	**1131.508 J**	**2784.1 J**	**1655.785 J**	**790.65 J**	**858.55 J**	**905.9 J**	**733.3 J**	**605 J**	**514.5 J**	**954.95 J**	**651.89**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**328**	**513**	**688**	**679**	**535**	**567**	**496**	**632**	**520**	**522**	**714**
2-Methylnaphthalene	**210**	**478**	**662**	**766**	**582**	**597**	**529**	**677**	**494**	**560**	**791**

Table 3
Laboratory Testing Results

Location ID	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-121321-01	GS-030822-01	GS-062022-14	GS-090722-01	GS-121422-03	GS-030923-07	GS-061523-12	GS-091123-03	GS-121423-18	GS-031224-06	GS-061224-16
Sample Date	12/13/2021	3/8/2022	6/20/2022	9/7/2022	12/14/2022	3/9/2023	6/15/2023	9/11/2023	12/14/2023	3/12/2024	6/12/2024
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	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	15.5–25.2 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421
Y	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198	705385.198
Acenaphthene	**172**	**164**	**206**	**255 J**	**173**	**194**	**224**	**240**	**204 J**	**180**	**237**
Acenaphthylene	4.06 U	8.56 U	23.9 U	30.3 U	45.4 U	14.2 UJ	8.53 U	4.16 U	19 U	**10.5**	3.67 U
Anthracene	**2.97**	**7**	**8.76**	**8.59**	45.4 U	**8.72**	**5.79**	**8.7**	**7.41**	**6.64**	**7.95**
Benzo(a)anthracene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	0.505 U	0.455 U	**0.0291**	1.9 U	2 U	**0.0275**
Benzo(a)pyrene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	0.505 U	0.455 U	**0.0114 J**	1.9 U	2 U	0.0183 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	0.505 U	0.455 U	**0.0104 J**	1.9 U	2 U	0.0183 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1.86 U	4.21 U	3.83 U	2.2 U	45.4 U	1.01 U	0.91 U	0.0416 U	3.8 U	3.99 U	0.0367 U
Benzo(k)fluoranthene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	0.505 U	0.455 U	**0.0135 J**	1.9 U	2 U	0.0183 U
Carbazole	**186**	**145**	**189**	**192**	**183**	**192**	**161**	--	--	--	--
Chrysene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	0.505 U	0.455 U	**0.0265**	1.9 U	2 U	**0.0165 J**
Dibenzo(a,h)anthracene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	0.505 U	0.455 U	**0.014 J**	1.9 U	2 U	0.0183 U
Dibenzofuran	**11**	**14.5**	**16.4**	**19.9**	45.4 U	**17.6**	**13.7**	**18.9**	**13.1**	**13.1**	**17.6**
Fluoranthene	1.86 U	4.21 U	**2.35 J**	**2.64**	45.4 U	**2.41**	**1.22**	**2.99**	**2.23 J**	**2.85 J**	**2.81**
Fluorene	**44**	**58.2**	**59.7**	**68.9**	**64.1**	**66.5**	**62.2**	**69.9**	**50.7**	**56.9**	**81.1**
Indeno(1,2,3-c,d)pyrene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	0.505 U	0.455 U	0.0208 U	1.9 U	2 U	0.0183 U
Naphthalene	**317**	**666**	**927**	**377**	**408**	**172**	**164**	**394**	**242**	**252**	**203**
Phenanthrene	**26**	**54**	**67.9**	**74**	**68.7 J**	**67.3**	**46.6**	**70.3**	**61.5**	**53.5**	**73.5**
Pyrene	1.86 U	4.21 U	**2.15 J**	**2.2**	45.4 U	**2.03**	**1.05**	**2.64**	**2.04 J**	**2.55 J**	**2.62**
Total PAH (17) (U = 0)	**771.97**	**1427.2**	**1935.86 J**	**1554.33 J**	**1295.8 J**	**1109.96 J**	**1033.86**	**1465.6349 J**	**1063.88 J**	**1124.94 J**	**1399.024 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	**5.42 J**	**8.94**	**7.31 J**	**7.18 J**
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	**17.3**	**16.2**	**15.7 J**	**16.9 J**
Oil-range organics	--	--	--	--	--	--	--	0.377 U	0.385 U	0.381 U	0.385 U

Table 3
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F
sys_sample_code	GS-121620-17	GS-030421-03	GS-030421-04	GS-060821-11	GS-090221-09	GS-121521-17	GS-030922-10	GS-062022-17	GS-090822-10	GS-121422-05	GS-030823-02
Sample Date	12/16/2020	3/4/2021	3/4/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/8/2022	12/14/2022	3/8/2023
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	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
Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281
Conventional Parameters (mg/L)											
Cyanide	**0.0562**	**0.0826**	**0.0837**	**0.0737**	**0.0962 J**	**0.047**	**0.113**	**0.114**	**0.105**	**0.0677**	**0.0562**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.00144 J**	**0.00196 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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**114**	50 U	50 U	**132**	**411**	50 U	**30.5 J**	50 U	**393**	**510**	50 U
Antimony	**0.71 J**	1 U	1 U	1 U	**0.576 J**	1 U	1 U	1 U	1 U	**0.58 J**	1 U
Arsenic	**2.2**	**1.85**	**1.72**	**1.38**	**1.97**	**1.3**	**1.41**	**1.51**	**1.2**	**0.982 J**	**1.09**
Barium	**57.4**	**47.9**	**47.5**	**54.2**	**75**	**61.2**	**43.5**	**40.2**	**64.7**	**80.9**	**35.4**
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	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	0.2 U
Calcium	--	--	--	--	**51300**	--	--	--	--	--	--
Chromium	**0.862 J**	1 U	1 U	2 U	--	2 U	2 U	2 U	**1.54 J**	**2.25**	2 U
Cobalt	--	--	--	--	**1.45**	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	**2.15**	**1.6 J**	2 U	2 U	**1.26 J**	2 U	2 U
Iron	**39700**	**38400**	**37700**	**34500**	**25800**	**13500**	**28900**	**29800**	**10600**	**12500**	**28700**
Lead	**0.159 J**	0.2 U	**0.129 J**	**0.136 J**	**0.51**	**0.174 J**	0.2 U	0.2 U	**0.454**	**0.424**	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**2440**	**1950**	**1910**	**1750**	**2270**	**1810**	**1500**	**1460**	**1630**	**2200**	**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	0.08 U	0.08 U
Nickel	**30.5 J**	2 U	2 U	**1.11 J**	**6.46**	**1.98 J**	**1.14 J**	2 U	**3.2**	**3.12**	2 U
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.15 J**	2 U	2 U	2 U	**2.35**	2 U	**1.09 J**	2 U	**1.52 J**	**2.16**	2 U
Zinc	**4.25**	**2.48 J**	**2.55 J**	**2.88 J**	**6.66**	**32.1**	**3.18 J**	**3.63 J**	**6.08 J**	**4.3**	**2.54 J**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.4 U	40 U	40 U	40 U	20 U	20 U	40 U	20 U	20 U	80 U	20 U
1,1,1-Trichloroethane	0.4 U	40 U	40 U	40 U	20 U	20 U	40 U	20 U	20 U	80 U	20 U
1,1,2,2-Tetrachloroethane	1.6 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
1,1-Dichloroethane	0.4 U	40 U	40 U	40 U	20 U	20 U	40 U	20 U	20 U	80 U	20 U
1,1-Dichloroethene	0.4 U	40 U	40 U	40 U	20 U	20 U	0.4 U	0.4 U	20 U	80 U	20 U
1,1-Dichloropropene	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
1,2,3-Trichlorobenzene	2 U	200 U	200 U	200 U	100 U	100 U	200 U	100 U	100 U	400 U	100 U
1,2,3-Trichloropropane	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
1,2,4-Trichlorobenzene	2 U	200 U	200 U	200 U	100 U	100 U	200 U	100 U	100 U	400 U	100 U
1,2,4-Trimethylbenzene	200 U	**125**	**276**	**123**	**76.5**	**124**	**56 J**	**72**	**75.5**	200 U	**165**
1,2-Dibromo-3-chloropropane	5 U	500 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	1000 U	250 U
1,2-Dichlorobenzene	0.5 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
1,2-Dichloroethane	0.4 U	40 U	40 U	40 U	20 U	20 U	40 U	20 U	20 U	80 U	20 U
1,2-Dichloroethene, cis-	0.4 U	40 U	40 U	40 U	20 U	20 U	**0.215 J**	0.4 U	20 U	80 U	20 U
1,2-Dichloroethene, trans-	0.4 U	40 U	40 U	40 U	20 U	20 U	0.4 U	0.4 U	20 U	80 U	20 U
1,2-Dichloropropane	0.5 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	**42.2**	100 U	**64 J**	100 U	50 U	**37 J**	100 U	50 U	50 U	200 U	**39.5 J**
1,3-Dichlorobenzene	0.5 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
1,3-Dichloropropane	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
1,3-Dichloropropene, cis-	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U

Table 3
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F
sys_sample_code	GS-121620-17	GS-030421-03	GS-030421-04	GS-060821-11	GS-090221-09	GS-121521-17	GS-030922-10	GS-062022-17	GS-090822-10	GS-121422-05	GS-030823-02
Sample Date	12/16/2020	3/4/2021	3/4/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/8/2022	12/14/2022	3/8/2023
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	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
Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281
1,3-Dichloropropene, trans-	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
1,4-Dichlorobenzene	0.5 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
2,2-Dichloropropane	1 U	100 U	100 U	100 U	50 UJ	50 U	100 U	50 U	50 U	200 U	50 U
2-Chlorotoluene	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
2-Hexanone (Methyl butyl ketone)	10 U	1000 U	1000 U	1000 U	500 U	500 U	1000 U	500 U	500 U	2000 U	500 U
4-Chlorotoluene	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	1000 U	1000 U	1000 U	500 U	500 U	1000 U	500 U	500 U	2000 U	500 U
Acetone	20 U	2000 U	2000 U	2000 U	1000 U	1000 U	2000 U	1000 U	1000 U	4000 U	1000 U
Acrylonitrile	2.7 U	200 U	200 U	200 U	100 U	100 U	200 U	100 U	100 U	400 U	100 U
Benzene	**18500**	**23000**	**23000**	**16300**	**24000**	**13200**	**2150**	**3780**	**15000**	**21700**	**8710**
Bromobenzene	0.5 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
Bromochloromethane	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Bromodichloromethane	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Bromoform (Tribromomethane)	2 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Bromomethane (Methyl bromide)	5 U	500 UJ	500 UJ	500 U	250 UJ	250 UJ	500 U	250 U	250 UJ	1000 U	250 UJ
Carbon disulfide	10 U	1000 U	1000 U	1000 U	500 U	500 U	1000 U	500 U	500 U	2000 U	500 U
Carbon tetrachloride (Tetrachloromethane)	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Chlorobenzene	0.5 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
Chloroethane	5 U	500 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	1000 U	250 U
Chloroform	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Chloromethane	5 U	500 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	1000 U	250 U
Cymene, p- (4-Isopropyltoluene)	**2.55**	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Dibromochloromethane	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Dibromomethane	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Dichlorodifluoromethane	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Dichloromethane (Methylene chloride)	10 U	1000 U	1000 U	1000 U	500 U	500 U	1000 U	500 U	500 U	2000 U	500 U
Ethylbenzene	**766**	**953**	**1910**	**586**	**575**	**864**	**197**	**360**	**558**	**408**	**659**
Ethylene dibromide (1,2-Dibromoethane)	1 U	50 U	50 U	50 U	25 U	25 U	50 U	25 U	25 U	100 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	500 U	500 U	500 U	250 U	250 U	500 U	250 U	250 U	1000 U	250 U
Isopropylbenzene (Cumene)	**39.9**	100 U	**60 J**	100 U	50 U	50 U	100 U	50 U	50 U	200 U	**32.5 J**
m,p-Xylene	**806**	**952**	**1950**	**541**	**565**	**912**	**100**	**200**	**451**	**228**	**656**
Methyl ethyl ketone (2-Butanone)	10 U	1000 U	1000 U	1000 U	500 U	500 U	1000 U	500 U	500 U	2000 U	500 U
Methyl tert-butyl ether (MTBE)	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
n-Butylbenzene	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
n-Propylbenzene	**14.3**	50 U	50 U	50 U	25 U	**12.5 J**	50 U	25 U	25 U	100 U	**18 J**
o-Xylene	**474**	**635**	**1320**	**392**	**344**	**564**	**83**	**120**	**218**	**132**	**336**
sec-Butylbenzene	**2.53**	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Styrene	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
tert-Butylbenzene	1 U	100 U	100 U	100 U	50 U	50 U	100 U	50 U	50 U	200 U	50 U
Tetrachloroethene (PCE)	0.4 U	40 U	40 U	40 U	20 U	20 U	40 U	20 U	20 U	80 U	20 U
Toluene	**462**	**1270**	**2470**	**328**	**135**	**498**	100 U	50 U	**86.5**	200 U	**196**
Trichloroethene (TCE)	0.4 U	40 U	40 U	40 U	20 U	20 U	0.4 U	0.4 U	20 U	80 U	20 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	200 U	200 U	200 U	100 U	100 U	200 U	100 U	100 U	400 U	100 U
Vinyl chloride	0.4 U	40 U	40 U	40 U	20 U	20 U	0.4 U	0.4 U	20 U	80 U	20 U
Total BTEX (U = 0)	**21008**	**26810**	**30650**	**18147**	**25619**	**16038**	**2530**	**4460**	**16313.5**	**22468**	**10557**
Total VOC (U = 0)	**21109.48**	**26935 J**	**31050 J**	**18270**	**25695.5 J**	**16211.5 J**	**2586.215 J**	**4532**	**16389 J**	**22468**	**10812 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**151**	**239**	**260**	**272**	**173**	**145**	**134**	**194**	**179**	**206**	**213**
2-Methylnaphthalene	**63.8**	**138**	**151**	**123**	**49**	**54 J**	**50.1**	**77.9**	**101**	**126**	**154**

Table 3
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F
sys_sample_code	GS-121620-17	GS-030421-03	GS-030421-04	GS-060821-11	GS-090221-09	GS-121521-17	GS-030922-10	GS-062022-17	GS-090822-10	GS-121422-05	GS-030823-02
Sample Date	12/16/2020	3/4/2021	3/4/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/8/2022	12/14/2022	3/8/2023
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	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
Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281
Acenaphthene	**90.5**	**155**	**155**	**92.3**	**125**	**138**	**71.3**	**103**	**101**	**97.8**	**97.4**
Acenaphthylene	**12.2 J**	**11.5**	**11.7**	**16.3**	8.39 U	37.9 U	5.2 U	37.1 U	32.9 U	45.5 U	**6.51**
Anthracene	17.8 U	**5.9**	**5.92**	**5.8**	**5.46**	37.9 U	**2.88**	37.1 U	32.9 U	45.5 U	**3.35 J**
Benzo(a)anthracene	8.9 U	0.779 U	0.8 U	**0.321 J**	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	1.89 U
Benzo(a)pyrene	8.9 U	0.779 U	0.8 U	0.643 U	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	1.89 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	8.9 U	0.779 U	0.8 U	0.643 U	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	1.89 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	17.8 U	1.56 U	1.6 U	1.29 U	3.83 U	37.9 U	0.476 U	37.1 U	32.9 U	45.5 U	3.77 U
Benzo(k)fluoranthene	8.9 U	0.779 U	0.8 U	0.643 U	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	1.89 U
Carbazole	**33.8**	**66.8**	**66.4**	**30.1**	**42.6**	**51.7**	**26.7**	**30.1 J**	**34.9**	**34.7 J**	**42.8**
Chrysene	8.9 U	0.779 U	0.8 U	0.643 U	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	1.89 U
Dibenzo(a,h)anthracene	8.9 U	0.779 U	0.8 U	0.643 U	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	1.89 U
Dibenzofuran	17.8 U	**4.98**	**4.9**	**3.21**	**4.74**	37.9 U	**2.98**	37.1 U	32.9 U	45.5 U	**3.91**
Fluoranthene	17.8 U	**15.2**	**15.2**	**17.8**	**13.5**	37.9 U	**11.1**	37.1 U	32.9 U	45.5 U	**9.57**
Fluorene	**29.1**	**35.5**	**36.2**	**17.8**	**21.4**	**24.6 J**	**16.9**	**19.9 J**	**21 J**	45.5 U	**16.6**
Indeno(1,2,3-c,d)pyrene	8.9 U	0.779 U	0.8 U	0.643 U	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	1.89 U
Naphthalene	**4520**	**5730**	**5810**	**6510**	**3330**	**4760**	**2270**	**3700**	**3250**	**3790**	**4060**
Phenanthrene	35.6 U	**13.3**	**13.3**	**14.2**	**26.4**	75.8 U	**9.83**	74.2 U	**39.4 J**	91 U	**11.6**
Pyrene	**8.9 J**	**14.8**	**15.1**	**18.5**	**14.3**	37.9 U	**11.8**	37.1 U	32.9 U	45.5 U	**11**
Total PAH (17) (U = 0)	**4724.5 J**	**6119.2**	**6213.42**	**6816.021 J**	**3585.06**	**4976.6 J**	**2443.91**	**3900.8 J**	**3512.4 J**	**4013.8**	**4370.03 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-53F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-030823-03	GS-061423-07	GS-091223-12	GS-121223-03	GS-121223-04	GS-031324-09	GS-061124-11	GS-121620-18	GS-030421-05	GS-060921-13	GS-090221-10
Sample Date	3/8/2023	6/14/2023	9/12/2023	12/12/2023	12/12/2023	3/13/2024	6/11/2024	12/16/2020	3/4/2021	6/9/2021	9/2/2021
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	5.8–10.5 ft	3.8–8.6 ft	3.8–8.6 ft	3.8–8.6 ft	3.8–8.6 ft
Sample Type	FD	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623770.055	7623770.055	7623770.055	7623770.055
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705433.306	705433.306	705433.306	705433.306
Conventional Parameters (mg/L)											
Cyanide	**0.0487**	**0.0625**	**0.106**	**0.0469**	**0.252**	**0.1**	**0.0864**	**0.299**	**0.271**	**0.446**	**0.774 J**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	**0.00164 J**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.00186 J**	0.002 U	**0.00376**	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	0.005 UJ	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	**91.4**	50 U	50 U	50 U	50 U	**286**	50 U	**5300**	**1440**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**1.14**	**1.35**	**0.812 J**	**0.748 J**	**0.704 J**	**1.14**	**0.92 J**	**2.24**	**1.73**	**2.31**	**1.53**
Barium	**36.5**	**58.7**	**57.1**	**32.6**	**33.8**	**41.3**	**37.2**	**51.4**	**31.5**	**98.8**	**72.2**
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	**0.235**	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	0.2 U	--
Calcium	--	--	--	--	--	--	--	--	--	--	**65100**
Chromium	2 U	2 U	2 U	2 U	2 U	2 U	2 U	**0.831 J**	1 U	**11.2**	--
Cobalt	--	--	--	--	--	--	--	--	--	--	**2.75**
Copper	2 U	2 U	2 U	2 U	2 U	**1.32 J**	2 U	2 U	2 U	**10.5**	**2.84**
Iron	**29100**	**26100**	**11000**	**26500**	**26800**	**32700**	**29700**	**39100**	**29300**	**36700**	**25000**
Lead	0.2 U	0.2 U	**0.145 J**	0.2 U	0.2 U	0.2 U	0.2 U	**0.239**	0.2 U	**4.13**	**1.2**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**2070**	**1790**	**1720**	**1490**	**1520**	**1640**	**1730**	**2620**	**1690**	**3200**	**3130**
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	0.08 U	0.08 U
Nickel	2 U	2 U	**1.08 J**	2 U	**1.17 J**	**1.71 J**	2 U	**2.34 J**	2 U	**16.2**	**6.35**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.01 J**	**1.06 J**	2 U	2 U	2 U	2 U	2 U	**1.43 J**	2 U	**27.6**	**8.29**
Zinc	**4.03**	**3.1 J**	**4.11**	**3.5 J**	**3.41 J**	**4.28**	4 U	**4.38**	4 U	**19.6**	**10.2**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	20 U	40 U	20 U	2 U	2 U	20 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	20 U	40 U	20 U	2 U	2 U	20 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 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	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	20 U	40 U	20 U	2 U	2 U	20 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	20 U	40 U	0.5 U	0.5 U	0.5 U	**1.68**	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	100 U	200 U	100 U	10 U	10 U	100 U	100 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	100 U	200 U	100 U	10 U	10 U	100 U	100 UJ	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**176**	**123**	**92**	**15.6**	**16.3**	**41.5 J**	**28 J**	**0.82 J**	1 U	**4.42**	**7.26**
1,2-Dibromo-3-chloropropane	250 U	500 U	250 U	25 U	25 U	250 U	250 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	20 U	40 U	20 U	2 U	2 U	20 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	20 U	40 U	0.5 U	**0.508**	0.5 U	**1.06**	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	20 U	40 U	0.5 U	0.5 U	0.5 U	**1.69**	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**41 J**	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	**1.78**	**3.12**
1,3-Dichlorobenzene	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U

Table 3
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-53F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-030823-03	GS-061423-07	GS-091223-12	GS-121223-03	GS-121223-04	GS-031324-09	GS-061124-11	GS-121620-18	GS-030421-05	GS-060921-13	GS-090221-10
Sample Date	3/8/2023	6/14/2023	9/12/2023	12/12/2023	12/12/2023	3/13/2024	6/11/2024	12/16/2020	3/4/2021	6/9/2021	9/2/2021
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	5.8–10.5 ft	3.8–8.6 ft	3.8–8.6 ft	3.8–8.6 ft	3.8–8.6 ft
Sample Type	FD	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623770.055	7623770.055	7623770.055	7623770.055
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705433.306	705433.306	705433.306	705433.306
1,3-Dichloropropene, trans-	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 UJ
2-Chlorotoluene	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	500 U	1000 U	500 U	50 U	50 U	500 UJ	500 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	1000 U	500 U	50 U	50 U	500 U	500 U	10 U	10 U	10 U	10 U
Acetone	1000 U	2000 U	1000 U	100 U	100 U	1000 U	1000 U	20 U	20 U	20 U	20 U
Acrylonitrile	100 U	200 U	100 U	10 U	10 U	100 U	100 U	2 U	2 U	2 U	2 U
Benzene	**8980**	**14100**	**2620**	**743**	**811**	**3270**	**6320**	**0.128 J**	0.2 U	**191**	**81.9**
Bromobenzene	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	50 U	100 U	50 U	5 U	5 U	50 U	50 U	2 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	250 UJ	500 U	250 U	25 U	25 U	250 U	250 U	5 U	5 UJ	5 U	5 UJ
Carbon disulfide	500 U	1000 U	500 U	50 U	50 U	500 U	500 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Chlorobenzene	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	250 U	500 U	250 U	25 U	25 U	250 U	250 U	5 U	5 U	5 U	5 U
Chloroform	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Chloromethane	250 U	500 U	250 UJ	25 U	25 U	250 U	250 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	**0.524 J**	1 U
Dibromochloromethane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Dibromomethane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	500 U	1000 U	500 U	50 U	50 U	500 U	500 U	10 U	10 U	10 U	10 U
Ethylbenzene	**678**	**490**	**175**	**12**	**12.8**	**182**	**172**	0.5 U	0.5 U	**2.61**	**0.97**
Ethylene dibromide (1,2-Dibromoethane)	25 U	50 U	25 U	2.5 U	2.5 U	25 U	25 U	1 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	500 U	250 U	25 U	25 U	250 U	250 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	**32 J**	100 U	50 U	**4.45 J**	**4.6 J**	50 U	50 U	1 U	**0.7 J**	**4.78**	**3.17**
m,p-Xylene	**676**	**575**	**170**	**3.65 J**	**3.8 J**	**113**	**99**	1 U	**0.52 J**	**3.08**	**1.97**
Methyl ethyl ketone (2-Butanone)	500 U	1000 U	500 U	50 U	50 U	500 U	500 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
n-Butylbenzene	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	**0.603 J**	1 U
n-Propylbenzene	**18.5 J**	50 U	25 U	**2.95**	**3**	25 U	25 U	**0.255 J**	0.5 U	**2.19**	**1.65**
o-Xylene	**346**	**265**	**87.5**	**4.45**	**4.7**	**52.5**	**40**	**0.41 J**	**0.3 J**	**4.31**	**3.1**
sec-Butylbenzene	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	**0.677 J**	1 U
Styrene	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	50 U	100 U	50 U	5 U	5 U	50 U	50 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	20 U	40 U	20 U	2 U	2 U	20 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	**202**	**180**	50 U	5 U	5 U	**106**	50 U	1 U	1 U	**1.13**	1 U
Trichloroethene (TCE)	20 U	40 U	0.5 U	**1.31**	**0.341 J**	**1.61**	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	200 U	100 U	10 U	10 U	100 U	100 U	2 U	2 U	2 U	2 U
Vinyl chloride	20 U	40 U	0.5 U	0.5 U	0.5 U	**1.74**	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**10882**	**15610**	**3052.5**	**763.1 J**	**832.3 J**	**3723.5**	**6631**	**0.538 J**	**0.82 J**	**202.13**	**87.94**
Total VOC (U = 0)	**11149.5 J**	**15733**	**3144.5 J**	**787.918 J**	**856.541 J**	**3772.78 J**	**6659 J**	**1.613 J**	**1.52 J**	**217.104 J**	**103.14 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**196**	**265**	**200**	**80.5**	**87.5**	**182**	**180**	**18.4**	**7.87**	**21.8**	**28.4**
2-Methylnaphthalene	**139**	**220**	**160**	**41**	**44**	**106**	**127**	**12.9**	**6.02**	**11.1**	**3.41**

Table 3
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-53F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-030823-03	GS-061423-07	GS-091223-12	GS-121223-03	GS-121223-04	GS-031324-09	GS-061124-11	GS-121620-18	GS-030421-05	GS-060921-13	GS-090221-10
Sample Date	3/8/2023	6/14/2023	9/12/2023	12/12/2023	12/12/2023	3/13/2024	6/11/2024	12/16/2020	3/4/2021	6/9/2021	9/2/2021
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	5.8–10.5 ft	3.8–8.6 ft	3.8–8.6 ft	3.8–8.6 ft	3.8–8.6 ft
Sample Type	FD	N	N	N	FD	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623770.055	7623770.055	7623770.055	7623770.055
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705433.306	705433.306	705433.306	705433.306
Acenaphthene	**95**	**109**	**99.4**	**36.9**	**42.4**	**77.8**	**100**	**97.2**	**76.1**	**164**	**164**
Acenaphthylene	**6.4**	**13.3**	5.18 U	3.7 U	5.45 U	**9.07 J**	**12.2**	**4.93**	**2.31**	**9.38**	**8.36**
Anthracene	**3.12 J**	**4.45**	**3.5 J**	3.7 U	3.49 U	17.7 U	**2.8 J**	**7.48**	**2.89**	**8.04**	**5.54**
Benzo(a)anthracene	2.08 U	1.7 U	2.12 U	1.85 U	1.74 U	8.85 U	1.84 U	**2.68**	0.706 U	**4.75**	**0.535**
Benzo(a)pyrene	2.08 U	1.7 U	2.12 U	1.85 U	1.74 U	8.85 U	1.84 U	**5.2**	0.706 U	**12.8**	0.369 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	2.08 U	1.7 U	2.12 U	1.85 U	1.74 U	8.85 U	1.84 U	**3.17**	0.706 U	**7.91**	**0.24 J**
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	4.17 U	3.39 U	4.25 U	3.7 U	3.49 U	17.7 U	3.67 U	**4.31**	1.41 U	**11.4**	0.738 U
Benzo(k)fluoranthene	2.08 U	1.7 U	2.12 U	1.85 U	1.74 U	8.85 U	1.84 U	**1.14**	0.706 U	**3.28 J**	**0.221 J**
Carbazole	**40.4**	**41.8**	--	--	--	--	--	**2.85**	**0.882 J**	**3.7**	**5.96**
Chrysene	2.08 U	1.7 U	2.12 U	1.85 U	1.74 U	8.85 U	1.84 U	**3.39**	0.706 U	**5.89**	**0.221 J**
Dibenzo(a,h)anthracene	2.08 U	1.7 U	2.12 U	1.85 U	1.74 U	8.85 U	1.84 U	**0.311 J**	0.706 U	1.68 U	0.369 U
Dibenzofuran	**3.49 J**	**4.79**	**2.97 J**	3.7 U	3.49 U	17.7 U	**3.35 J**	**1.28**	1.41 U	3.37 U	**1.2**
Fluoranthene	**9.58**	**11.4**	**12.3**	**5.28**	**5.58**	17.7 U	**8.03**	**21**	**4.94**	**16.2**	**9**
Fluorene	**16.1**	**22.3**	**17.8**	**8.15**	**9.32**	**17.9**	**19**	**11.4**	**5.95**	**9.42**	**7.27**
Indeno(1,2,3-c,d)pyrene	2.08 U	1.7 U	2.12 U	1.85 U	1.74 U	8.85 U	1.84 U	**3.75**	0.706 U	**8.41**	0.369 U
Naphthalene	**4500**	**4840**	**4160**	**587**	**707**	**2370**	**2730**	**14.6**	**9.88**	**28.6**	**10.4**
Phenanthrene	**11.5**	**17.2**	**17.3**	**5.6 J**	**6.45 J**	35.4 U	**11.2**	**51.3**	**15.9**	**30**	**1.61**
Pyrene	**11.5**	**13.5**	**13.8**	**6.44**	**6.67**	**9.07 J**	**9.59**	**26.8**	**7.48**	**20.9**	**9**
Total PAH (17) (U = 0)	**4792.2 J**	**5251.15**	**4484.1 J**	**690.37 J**	**821.42 J**	**2589.84 J**	**3019.82 J**	**271.561 J**	**131.47**	**352.08 J**	**219.807 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	**6.31 J**	**2.12**	**1.76**	**5.89 J**	**5.45 J**	--	--	--	--
Gasoline-range hydrocarbons	--	--	**24.1**	**5.65**	**5.94**	**21.5**	**29.8**	--	--	--	--
Oil-range organics	--	--	**0.5**	0.385 U	0.385 U	**0.322 J**	0.385 U	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-121521-14	GS-030822-06	GS-062022-16	GS-090822-08	GS-121422-06	GS-030823-01	GS-061423-06	GS-091223-10	GS-121223-02	GS-031324-11	GS-061124-09
Sample Date	12/15/2021	3/8/2022	6/20/2022	9/8/2022	12/14/2022	3/8/2023	6/14/2023	9/12/2023	12/12/2023	3/13/2024	6/11/2024
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	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
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055
Y	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306
Conventional Parameters (mg/L)											
Cyanide	**0.854**	**0.582 J**	**0.558**	**0.59**	**0.83**	**0.704**	**0.542**	**0.28**	**0.617**	**0.496**	**0.452**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00306 J**	**0.00451**	0.002 U	**0.00147 J**	0.002 U	0.002 U	**0.00252**	0.002 U	0.002 U	0.002 U	**0.00242**
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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**62.5**	50 U	50 U	**403**	**25.2 J**	50 U	50 U	50 U	50 U	**50.4**	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.81 J**	**1.18**	**1.8**	**1.07**	**1.04**	**1.21**	**1.16**	**1.48**	**1.64**	**1.77**	**1.59**
Barium	**88.1**	**55.3**	**65.4**	**89**	**93.6**	**68.2**	**76.6**	**63**	**70.2**	**66.3**	**57.8**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	**1.76 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**1.05 J**	2 U	2 U	**1.66 J**	2 U	2 U	2 U	2 U	2 U	**1.3 J**	**1.06 J**
Iron	**48800**	**33800**	**32800**	**23100**	**31800**	**35400**	**32500**	**36700**	**42400**	**36500**	**33500**
Lead	0.2 U	0.2 U	0.2 U	**0.362**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**2970**	**1780**	**1350**	**1700**	**2220**	**3030**	**3070**	**3740**	**4620**	**3630**	**3420**
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	0.08 U	0.08 U
Nickel	2 U	**1.32 J**	2 U	**2.36**	**2.12**	2 U	2 U	2 U	2 U	**1.78 J**	**1.16 J**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	**1.42 J**	**1.14 J**	**1.06 J**	**2.74**	**1.37 J**	**1.45 J**	**1.46 J**	2 U	**1.06 J**	**1.66 J**	**1.3 J**
Zinc	**4.29**	**2.72 J**	**3.98 J**	**4.79 J**	**2.92 J**	**2.22 J**	**3.66 J**	**2.48 J**	**2.61 J**	**2.67 J**	**2.45 J**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.4 U	4 U	4 U	2 U	2 U	2 U	4 U	2 U	0.8 U	2 U	0.8 U
1,1,1-Trichloroethane	0.4 U	4 U	4 U	2 U	2 U	2 U	4 U	2 U	0.8 U	2 U	0.8 U
1,1,2,2-Tetrachloroethane	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
1,1-Dichloroethane	0.4 U	4 U	4 U	2 U	2 U	2 U	4 U	2 U	0.8 U	2 U	0.8 U
1,1-Dichloroethene	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
1,2,3-Trichlorobenzene	2 U	20 U	20 U	10 U	10 U	10 U	20 U	10 U	4 U	10 U	4 U
1,2,3-Trichloropropane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
1,2,4-Trichlorobenzene	2 U	20 U	20 U	10 U	10 U	10 U	20 U	10 U	4 U	10 U	4 U
1,2,4-Trimethylbenzene	**10.1**	**6.9 J**	10 U	**6**	**5.95**	**13.1**	**10.3**	**20.9**	**7.68**	**18.2**	**18.9**
1,2-Dibromo-3-chloropropane	5 U	50 U	50 U	25 U	25 U	25 U	50 U	25 U	10 U	25 U	10 U
1,2-Dichlorobenzene	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
1,2-Dichloroethane	**2.93**	4 U	4 U	2 U	**1.3 J**	**1.6 J**	4 U	2 U	0.8 U	2 U	0.8 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	**4.54**	10 U	10 U	**2.9 J**	**3 J**	**4.85 J**	**7 J**	**12.2**	**3.86**	**7**	**9.06**
1,3-Dichlorobenzene	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
1,3-Dichloropropane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
1,3-Dichloropropene, cis-	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U

Table 3
Laboratory Testing Results

Location ID	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-121521-14	GS-030822-06	GS-062022-16	GS-090822-08	GS-121422-06	GS-030823-01	GS-061423-06	GS-091223-10	GS-121223-02	GS-031324-11	GS-061124-09
Sample Date	12/15/2021	3/8/2022	6/20/2022	9/8/2022	12/14/2022	3/8/2023	6/14/2023	9/12/2023	12/12/2023	3/13/2024	6/11/2024
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	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
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055
Y	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306
1,3-Dichloropropene, trans-	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
1,4-Dichlorobenzene	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
2,2-Dichloropropane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
2-Chlorotoluene	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
2-Hexanone (Methyl butyl ketone)	10 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	20 U	50 U	20 U
4-Chlorotoluene	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	20 U	50 U	20 U
Acetone	20 U	200 U	200 U	100 U	100 U	100 U	200 U	100 U	40 U	100 U	40 U
Acrylonitrile	2 U	20 U	20 U	10 U	10 U	10 U	20 U	10 U	4 U	10 U	4 U
Benzene	**263**	**1060**	**1050**	**968**	**726**	**674**	**923**	**689**	**313**	**376**	**395**
Bromobenzene	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
Bromochloromethane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Bromodichloromethane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Bromoform (Tribromomethane)	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Bromomethane (Methyl bromide)	5 U	50 U	50 U	25 UJ	25 U	25 UJ	50 U	25 U	10 U	25 U	10 U
Carbon disulfide	10 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	20 U	50 U	20 U
Carbon tetrachloride (Tetrachloromethane)	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Chlorobenzene	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
Chloroethane	5 U	50 U	50 U	25 U	25 U	25 U	50 U	25 U	10 U	25 U	10 U
Chloroform	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Chloromethane	5 U	50 U	50 U	25 U	25 U	25 U	50 U	25 U	10 U	25 U	10 U
Cymene, p- (4-Isopropyltoluene)	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Dibromochloromethane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Dibromomethane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Dichlorodifluoromethane	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Dichloromethane (Methylene chloride)	10 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	20 U	50 U	20 U
Ethylbenzene	**2.64**	**5.1**	**5.7**	**3**	**4.6**	**4.45**	**3.3 J**	**3.05**	**1.94**	**6.25**	**4.28**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U	1 U	2.5 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	50 U	50 U	25 U	25 U	25 U	50 U	25 U	10 U	25 U	10 U
Isopropylbenzene (Cumene)	**11.7**	**8.5 J**	**6.2 J**	**6.85**	**7.3**	**12.8**	**12.5**	**10.2**	**6.76**	**18.2**	**19**
m,p-Xylene	**5.79**	**5.7 J**	10 U	**2.65 J**	**3.4 J**	**8.4**	**7.6 J**	**3.65 J**	**2.72**	**5.5**	**8.62**
Methyl ethyl ketone (2-Butanone)	10 U	100 U	100 U	50 U	50 U	50 U	100 U	50 U	20 U	50 U	20 U
Methyl tert-butyl ether (MTBE)	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
n-Butylbenzene	**0.64 J**	10 U	10 U	5 U	5 U	5 U	10 U	5 U	**1.08 J**	5 U	**1.22 J**
n-Propylbenzene	**4.62**	**4.4 J**	**4.2 J**	**4.05**	**3.35**	**6.4**	**9.3**	**7.9**	**3.4**	**7.2**	**10.4**
o-Xylene	**8.92**	**8.6**	**4 J**	**4.65**	**6.05**	**12.2**	**7.8**	**5.05**	**6.5**	**10.6**	**11.2**
sec-Butylbenzene	**0.74 J**	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	**1.28 J**
Styrene	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
tert-Butylbenzene	1 U	10 U	10 U	5 U	5 U	5 U	10 U	5 U	2 U	5 U	2 U
Tetrachloroethene (PCE)	0.4 U	4 U	4 U	2 U	2 U	2 U	**12**	2 U	--	2 U	0.8 U
Toluene	**1.83**	10 U	10 U	5 U	5 U	**5.65**	10 U	**3 J**	**1.5 J**	5 U	**2.02**
Trichloroethene (TCE)	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	20 U	20 U	10 U	10 U	10 U	20 U	10 U	4 U	10 U	4 U
Vinyl chloride	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total BTEX (U = 0)	**282.18**	**1079.4 J**	**1059.7 J**	**978.3 J**	**740.05 J**	**704.7**	**941.7 J**	**703.75 J**	**325.66 J**	**398.35**	**421.12**
Total VOC (U = 0)	**317.45 J**	**1099.2 J**	**1070.1 J**	**998.1 J**	**760.95 J**	**743.45 J**	**992.8 J**	**754.95 J**	**348.44 J**	**448.95**	**480.98 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**41**	**60.7**	**69**	**78.7**	**89.2 J**	**64.3**	**169**	**138**	**127**	**101**	**175**
2-Methylnaphthalene	**5.49 J**	**5.09**	**4.66 J**	**6.99**	96.5 U	9.12 U	**5.89 J**	**6.77 J**	**18.2**	**4.35**	7.55 U

Table 3
Laboratory Testing Results

Location ID	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-121521-14	GS-030822-06	GS-062022-16	GS-090822-08	GS-121422-06	GS-030823-01	GS-061423-06	GS-091223-10	GS-121223-02	GS-031324-11	GS-061124-09
Sample Date	12/15/2021	3/8/2022	6/20/2022	9/8/2022	12/14/2022	3/8/2023	6/14/2023	9/12/2023	12/12/2023	3/13/2024	6/11/2024
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	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
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055
Y	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306
Acenaphthene	**200**	**162**	**285**	**196**	**225**	**186**	**241**	**272**	**244**	**177**	**262**
Acenaphthylene	**10.5**	7.78 U	**54.3**	**10.7**	**38 J**	**11.5**	**25**	9.94 U	**12.7**	**9.99**	**25**
Anthracene	**6.05**	**5.46**	**5.6**	**7.54**	48.2 U	**4.73**	**6.42**	**4.94**	**6.27**	**4.97**	**6.41**
Benzo(a)anthracene	**0.901 J**	**0.36**	1.88 U	**0.678**	24.1 U	2.28 U	1.77 U	2.15 U	**0.145 J**	**0.142 J**	1.89 U
Benzo(a)pyrene	1.72 U	**0.0908**	1.88 U	**0.376**	24.1 U	2.28 U	1.77 U	2.15 U	0.193 U	0.196 U	1.89 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	1.72 U	**0.102 J**	1.88 U	**0.359**	24.1 U	2.28 U	1.77 U	2.15 U	0.193 U	0.196 U	1.89 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.43 U	0.0415 U	3.77 U	**0.243**	48.2 U	4.56 U	3.54 U	4.3 U	0.387 U	0.392 U	3.77 U
Benzo(k)fluoranthene	1.72 U	**0.084 J**	1.88 U	**0.17 J**	24.1 U	2.28 U	1.77 U	2.15 U	0.193 U	0.196 U	1.89 U
Carbazole	**10.8**	**12.7**	**15**	**24.2**	48.2 U	**15.8**	**37.9**	--	--	--	--
Chrysene	1.72 U	**0.287**	1.88 U	**0.558**	24.1 U	2.28 U	1.77 U	2.15 U	0.193 U	0.196 U	1.89 U
Dibenzo(a,h)anthracene	1.72 U	0.0207 U	1.88 U	0.0946 U	24.1 U	2.28 U	1.77 U	2.15 U	0.193 U	0.196 U	1.89 U
Dibenzofuran	**4.38**	**5.81**	**7.63**	**6.16**	48.2 U	**6.84**	**9.12**	**8.16**	**8.4**	**8.42**	**9.57**
Fluoranthene	**9.61**	**6.39**	**4.05**	**10.8**	48.2 U	**3.02 J**	**4.65**	**3.92 J**	**3.72**	**2.98**	**4.62**
Fluorene	**19.7**	**24.7**	**36.3**	**28**	**31.4 J**	**25.8**	**39.9**	**37.3**	**42.2**	**38.1**	**41.1**
Indeno(1,2,3-c,d)pyrene	1.72 U	0.0207 U	1.88 U	**0.196**	24.1 U	2.28 U	1.77 U	2.15 U	0.193 U	0.196 U	1.89 U
Naphthalene	**19**	**16.2**	**17.3**	**18**	96.5 U	**24.8**	**18.1**	**37.3**	**57**	**20.8**	**40.7**
Phenanthrene	**25.4**	**15.6**	**17.4**	**32.4**	96.5 U	**13.2**	**21.8**	**19.1**	**14.1**	**15.6**	**21.8**
Pyrene	**10.4**	**6.9**	**4.52**	**11.9**	48.2 U	**2.79 J**	**4.38**	**3.17 J**	**3.32**	**2.61**	**4.24**
Total PAH (17) (U = 0)	**307.051 J**	**243.2638 J**	**429.13 J**	**324.91 J**	**294.4 J**	**271.84 J**	**367.14 J**	**384.5 J**	**401.655 J**	**276.542 J**	**405.87**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	**3.02 J**	**5.34**	**4.39 J**	**3.68 J**
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	**5.52**	**3.92**	**6 J**	**5.39 J**
Oil-range organics	--	--	--	--	--	--	--	0.385 U	0.392 U	**0.554 J**	0.385 U

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-031314-29	GS-102314-91	GS-030315-07	GS-091815-32	GS-031716-62	GS-100416-48	GS-100517-65	GS-100918-80	GS-100819-95	GS-121819-09	GS-031220-39
Sample Date	3/13/2014	10/23/2014	3/3/2015	9/18/2015	3/17/2016	10/4/2016	10/5/2017	10/9/2018	10/8/2019	12/18/2019	3/12/2020
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	28.5–33.5 ft	28.5–33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Conventional Parameters (mg/L)											
Cyanide	**0.362**	**0.353**	**0.158**	**0.268**	**0.098**	**0.212**	**0.473**	**0.303 J**	**0.274**	**0.186**	**0.238**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00314**	**0.00944**	**0.00224**	**0.0046**	**0.00666**	**0.00207**	**0.0114**	**0.00192 J**	**0.0021**	0.002 U	**0.00311**
Cyanide, free	0.005 U	**0.0047 J**	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
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**1590**	**1150**	**3570**	**356**	**546**	**4510**	**774**	**62.8**	**65.9**	**115**	**144**
Antimony	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.638 J**	1 U
Arsenic	**5.71**	**5.76**	**7.31**	**4.82**	**4.56**	**5.99**	**5.97**	**5.82**	**5.41**	**4.49**	**5.71**
Barium	**110**	**104**	**105**	**79.6**	**73.4**	**129**	**93.1**	**101**	**92.3**	**85.8**	**92.8**
Beryllium	0.2 U	0.2 U	**0.144 J**	0.2 U	0.2 U	**0.211**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	**0.0889 J**	0.2 U	**0.144 J**	0.2 U	**0.0556 J**	**0.144 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	**5.17**	**1.58**	**5.11**	**0.889 J**	**1.16**	**7.42**	**1.53**	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**6.24**	**3.3**	**10.2**	**1.78**	**4.22**	**12.3**	**3.34**	**0.522 J**	1 U	**0.853 J**	**1.15 J**
Iron	**24300**	**19200**	**27800**	**17500**	**18400**	**29000**	**26200**	**28000**	**23200**	**22300**	**25100**
Lead	**4.57**	**0.989**	**6.33**	**0.622**	**2.62**	**5.24**	**1.41**	**0.27**	**0.196 J**	**0.291**	**0.395**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**2690**	**2080**	**2070**	**1320**	**1100**	**1550**	**1510**	**1780**	**1500**	**1290**	**1630**
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	0.08 U	0.08 U
Nickel	**8.3**	**4.39**	**18.9**	**3.59**	**4.34**	**21.7**	**8.2**	**2.35**	**2.6**	**1.69 J**	**2.39**
Potassium	--	--	--	--	--	--	--	**9270**	--	--	**8940**
Selenium	1 U	1 U	2 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	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	0.2 U	0.2 U
Vanadium	**14**	**6.38**	**20.3**	**2.59**	**5.86**	**25.3**	**6.08**	**1.27**	**1.05**	**1.13**	**1.76 J**
Zinc	**11.6**	**6.98**	**19.9**	**5.87**	**5.27**	**24.8**	**4.84**	4 U	4 U	4 U	4 U
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 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	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	10 U	10 U	4 U	4 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	10 U	10 U	4 U	4 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**6.5**	**5**	**4.56**	**3.1**	**3.78**	**3.58 J**	**4.43**	**3.87**	**3.18**	**4.68**	**4.52**
1,2-Dibromo-3-chloropropane	25 U	25 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	5 U	5 U	**1.66 J**	**1.2 J**	**1.6**	5 U	**1.79**	**1.58**	**1.28**	**1.86**	**1.58**
1,3-Dichlorobenzene	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-031314-29	GS-102314-91	GS-030315-07	GS-091815-32	GS-031716-62	GS-100416-48	GS-100517-65	GS-100918-80	GS-100819-95	GS-121819-09	GS-031220-39
Sample Date	3/13/2014	10/23/2014	3/3/2015	9/18/2015	3/17/2016	10/4/2016	10/5/2017	10/9/2018	10/8/2019	12/18/2019	3/12/2020
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	28.5–33.5 ft	28.5–33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
1,3-Dichloropropene, trans-	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	50 U	50 U	20 U	20 UJ	10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	50 U	50 U	20 U	20 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Acetone	100 U	100 U	40 U	40 U	20 U	100 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	--	--	--	--	--	--	2 U	2 U	2 U	2 U	2 U
Benzene	3.6 U	**2.25**	**1.48**	**2.12**	**1.08**	**1.68**	**2.28**	**1.41**	**0.88**	**1.65**	**1.86**
Bromobenzene	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	25 U	25 UJ	10 U	10 UJ	5 U	25 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)	2.5 U	2.5 U	1 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	2 U
Chlorobenzene	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	25 U	25 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U	5 UJ
Chloroform	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	25 U	25 U	10 U	10 UJ	5 U	25 U	5 U	5 UJ	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5 U	5 U	2 U	2 UJ	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	25 U	25 U	10 U	10 U	3 U	15 U	3 U	3 U	10 UJ	5 U	10 U
Ethylbenzene	**3.1**	**2 J**	**1.58**	**1.12**	**1.23**	**1.78 J**	**1.37**	**1.33**	**0.87**	**1.38**	**1.28**
Ethylene dibromide (1,2-Dibromoethane)	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	25 U	25 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	5 U	5 U	2 U	2 U	**0.585 J**	5 U	**0.66 J**	**0.533 J**	1 U	**0.607 J**	**0.547 J**
m,p-Xylene	5 U	5 U	**1.3 J**	**1.28 J**	**1.33**	5 U	**2.14**	**1.35**	**1.32**	**1.57**	**1.48**
Methyl ethyl ketone (2-Butanone)	50 U	50 U	20 U	20 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	2.5 U	2.5 U	1 U	1 U	**0.29 J**	2.5 U	**0.33 J**	**0.304 J**	0.5 U	**0.377 J**	**0.335 J**
o-Xylene	**2.25 J**	**1.8 J**	**1.34**	**1.24**	**1.39**	**1.62 J**	**1.98**	**1.33**	**1.32**	**1.57**	**1.44**
sec-Butylbenzene	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Styrene	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5 U	5 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	2.5 U	2.5 U	1 U	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	5 U	5 U	**1.12 J**	2 U	**0.886 J**	5 U	**1.07**	**0.819 J**	**0.6 J**	**0.781 J**	**0.932 J**
Trichloroethene (TCE)	0.4 U	0.5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	10 U	10 U	4 U	4 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	0.4 U	0.5 U	1 U	1 U	0.5 U	**0.294 J**	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**5.35 J**	**6.05 J**	**6.82 J**	**5.76 J**	**5.916 J**	**5.08 J**	**8.84**	**6.239 J**	**4.99 J**	**6.951 J**	**6.992 J**
Total VOC (U = 0)	**11.85 J**	**11.05 J**	**13.04 J**	**10.06 J**	**12.171 J**	**8.954 J**	**16.05 J**	**12.526 J**	**9.45 J**	**14.475 J**	**13.974 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**101**	**70.1**	**106**	**67.6**	**81.8**	**146**	**30.5**	**84.1**	**59.7**	**72.1**	**109**
2-Methylnaphthalene	**84.1**	**38.5**	**69.2**	**30.7**	**51.4 J**	**86.2**	**1.04 J**	**41.1**	**25.4 J**	**35.9**	**57.5 J**

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-031314-29	GS-102314-91	GS-030315-07	GS-091815-32	GS-031716-62	GS-100416-48	GS-100517-65	GS-100918-80	GS-100819-95	GS-121819-09	GS-031220-39
Sample Date	3/13/2014	10/23/2014	3/3/2015	9/18/2015	3/17/2016	10/4/2016	10/5/2017	10/9/2018	10/8/2019	12/18/2019	3/12/2020
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	28.5–33.5 ft	28.5–33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Acenaphthene	**159**	**120**	**273**	**132**	**191**	**307**	**100**	**166**	**118**	**135**	**214**
Acenaphthylene	**31.4**	**14**	**39**	**11.5**	35.2 U	**38.9**	**8.83**	**6.8**	**9.3 J**	**11.8**	32.8 U
Anthracene	**80.8**	**26.6**	**126**	**17.5**	**35.6**	**165**	**34.5**	**15.6**	**12.4 J**	**13.2**	**18.9 J**
Benzo(a)anthracene	**78.7**	**14.1**	**111**	**8.18**	**33.9**	**122**	**16.1**	**3.83**	6.63 U	**3.21**	16.4 U
Benzo(a)pyrene	**109**	**13.9**	**123**	**8.72**	**30.8**	**146**	**19**	**3.54**	6.63 U	**2.49**	16.4 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	--	--	**42.5**	**8.7 J**	**22.4**	**117 J**	**16.1 J**	**2.75 J**	6.63 U	**2.05**	16.4 U
Benzo(b,j,k)fluoranthenes	**127**	**16.6**	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**90.4**	**10.6**	**103**	**7.81**	**22 J**	**122**	**14.9**	**2.58**	13.3 U	3.45 U	32.8 U
Benzo(k)fluoranthene	--	--	**141**	**3 J**	**11.4 J**	**53.4 J**	**6.38 J**	**1.15 J**	6.63 U	**0.917 J**	16.4 U
Carbazole	**40.9**	**26.8**	**35.5**	**23.9**	**25.5 J**	**53.8**	**16.9**	**28.8**	**11.1 J**	**10.3**	**18.9 J**
Chrysene	**134**	**27.2**	**175**	**11.9**	**37.4**	**231**	**34**	**4.31**	6.63 U	**3.03**	16.4 U
Dibenzo(a,h)anthracene	**9.72**	**1.51 J**	**11.8**	**0.977**	17.6 U	**13.8 J**	**1.71**	**0.348 J**	6.63 U	1.72 U	16.4 U
Dibenzofuran	**9**	**4.45**	**14.3 J**	**4.32**	35.2 U	32.4 U	**3.3**	**6.1**	13.3 U	**5.71**	32.8 U
Fluoranthene	**292**	**54.5**	**422**	**48.3**	**110**	**372**	**60.1**	**37.6**	**21.5**	**27.5**	**37.4**
Fluorene	**68.8**	**36.4**	**106**	**34.1**	**50.6**	**81.4**	**30.2**	**46.7**	**33**	**37**	**59.5**
Indeno(1,2,3-c,d)pyrene	**75**	**9.95**	**102**	**6.97**	**29**	**110**	**12.3**	**2.29**	6.63 U	**1.41 J**	16.4 U
Naphthalene	**518**	**273**	**330**	**205**	224 U	**501**	**3.53**	**136**	**70.6**	**72.2**	**121**
Phenanthrene	**266**	**81.5**	**432**	**77**	**157**	**309**	**64.8**	**85.9**	**64**	**74.7**	**119**
Pyrene	**348**	**69.9**	**524**	**64.5**	**126**	**427**	**67.9**	**40.1**	**21.8**	**29.4**	**45.2**
Total PAH (17) (U = 0)	**2471.92**	**808.26 J**	**3130.5**	**676.857 J**	**908.5 J**	**3202.7 J**	**491.39 J**	**596.598 J**	**376 J**	**449.807 J**	**672.5 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-060920-07	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	GS-121522-09
Sample Date	6/9/2020	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	12/15/2022
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	28.5–33.5 ft	28.5–33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Conventional Parameters (mg/L)											
Cyanide	**0.165**	**0.484**	**0.315**	**0.267**	**0.346**	**0.84**	**0.183**	**0.172**	**0.196**	**0.589**	**0.284**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.00173 J**	**0.0113**	0.002 UJ	**0.00372**	**0.00342**	**0.00313**	**0.00259 J**	**0.00273**	**0.00469**	**0.00336**	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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	**76.7**	50 U	**29.8 J**	50 U	**538**	50 U	**68.3**	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	1 U	1 U
Arsenic	**4.72**	**5.78**	**5.65**	**6.61**	**5.45**	**6.49**	**4.42**	**5.63**	**5.15**	**6.18**	**5.49**
Barium	**87.1**	**95.2**	**98**	**94.2**	**94.6**	**104**	**82.1**	**88.5**	**83.9**	**94.6**	**101**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	2 U	**1.03 J**	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	**1.62 J**	2 U	2 U	2 U	2 U	2 U
Iron	**23700**	**25900**	**25400**	**29400**	**25500**	**24900**	**22400**	**22700**	**22100**	**25900**	**24700**
Lead	**0.106 J**	**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	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**1390**	**1790**	**1740**	**1770**	**1770**	**1910**	**1510**	**1330**	**1390**	**1770**	**1500**
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	**0.0601 J**	0.08 U
Nickel	**1.59 J**	**2.37**	2 U	**2.49**	**1.02 J**	**5.67**	2 U	**1.91 J**	2 U	**2.28**	**2**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	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	0.2 U	0.2 U
Vanadium	2 U	**1.45 J**	2 U	**1.03 J**	2 U	**3.66**	2 U	2 U	2 U	2 U	2 U
Zinc	**2.91 J**	4 U	**2 J**	**3.15 J**	**2.25 J**	**3.98 J**	**2.57 J**	4 U	**3.32 J**	**4.33**	**3.09 J**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	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	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	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	1.5 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	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	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**3.56**	**3.29**	**6.72**	**6.61**	**10.8**	**4.49**	**9.26 J**	**2.23**	**7.07**	**4.51**	**2.56**
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
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	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	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	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	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	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**1.35**	**1.33**	**2.64**	**2.45**	**3.65**	**1.66**	**3.2**	**0.91 J**	**2.45**	**1.75**	**1.12**
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	0.5 U	0.5 U
1,3-Dichloropropane	2 U	1 U	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 U	1 U

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-060920-07	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	GS-121522-09
Sample Date	6/9/2020	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	12/15/2022
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	28.5–33.5 ft	28.5–33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
1,3-Dichloropropene, trans-	1 U	2 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	1.49 U	**0.88**	**6.9**	**1.56**	**4.81**	**1.08**	**2.74**	**0.91**	**2.53**	**1.2**	**0.86**
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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	2 U	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 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	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	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	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	5 U	5 U
Chloroform	1 U	1 U	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	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	**0.6 J**	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	1 U	1 U
Dibromomethane	1 U	1 U	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	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	10 U	10 U
Ethylbenzene	**1.11**	**0.84**	**1.82**	**1.41**	**2.16**	**1**	**1.93**	**0.6**	**1.28**	**0.99**	**0.79**
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	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	5 U	5 U
Isopropylbenzene (Cumene)	**0.6 J**	4 U	**0.92 J**	**0.785 J**	**1.21**	**0.584 J**	**0.926 J**	1 U	**1.19**	**0.6 J**	1 U
m,p-Xylene	**1.33**	**1.23**	**2.12**	**1.73**	**2.89**	**1.55**	**2.46**	**0.97 J**	**2.04**	**1.58**	**1.13**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.52 J**	1 U	1 U
n-Propylbenzene	**0.29 J**	**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**	**0.25 J**
o-Xylene	**1.18**	**1.38**	**2.32**	**1.81**	**2.74**	**1.56**	**2.22**	**1.01**	**2.09**	**1.48**	**0.96**
sec-Butylbenzene	1 U	1 U	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	1 U	1 U
tert-Butylbenzene	1 U	1 U	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	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
Toluene	**0.7 J**	**0.58 J**	**0.84 J**	**0.755 J**	**1.2**	**0.686 J**	**1.06**	**0.56 J**	**0.74 J**	**1**	**0.75 J**
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	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	2 U	2 U
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	0.4 U	0.4 U
Total BTEX (U = 0)	**4.32 J**	**4.91 J**	**14 J**	**7.265 J**	**13.8**	**5.876 J**	**10.41**	**4.05 J**	**8.68 J**	**6.25**	**4.49 J**
Total VOC (U = 0)	**10.12 J**	**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**	**8.42 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**75.2**	**59.1**	**71.1**	**75.3**	**103**	**47.9**	**63**	**42.6**	**73.9**	**54**	**48.7**
2-Methylnaphthalene	**40.2**	**25.3**	**37.9**	**38.6**	**64.6**	**21.8**	**36.3**	**16.6**	**41.7**	**26.7**	**20.8**

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-060920-07	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	GS-121522-09
Sample Date	6/9/2020	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	12/15/2022
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	28.5–33.5 ft	28.5–33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Acenaphthene	**157**	**149**	**125**	**156**	**195**	**132**	**164**	**114**	**162**	**139**	**114**
Acenaphthylene	**5.71 J**	**6.76**	5.29 U	**7**	7.57 U	**8.74**	7.52 U	**8.65**	**20.6**	**9.26**	**15.4**
Anthracene	**12.9**	**12.7**	**10.3**	**11.9**	**13.6**	**11.9**	**8.32**	**10.1**	**8.78**	**9.35**	**11.3**
Benzo(a)anthracene	**1.41 J**	**0.676**	**0.635**	**0.948**	**1.36**	**1.4 J**	2.01 U	**0.661**	1.98 U	**0.639**	**1.04 J**
Benzo(a)pyrene	**0.668 J**	**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	1.81 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.404 J**	**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	1.81 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**0.492 J**	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	3.61 U
Benzo(k)fluoranthene	0.352 U	**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	1.81 U
Carbazole	**19.4**	**17.4**	**18**	**23.5**	**14.1**	**9.31**	**11.9**	**10.2**	**7.29**	**12.2**	**9.35**
Chrysene	**0.932 J**	**0.469**	**0.424**	**0.671**	**1.01**	2.07 U	2.01 U	**0.47**	1.98 U	**0.448**	1.81 U
Dibenzo(a,h)anthracene	0.352 U	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	1.81 U
Dibenzofuran	**5.95 J**	**5.22**	**4.99**	**5.67**	**7.08**	**4.4**	**5.76**	**4.53**	**5.71**	**5.12**	**4.65**
Fluoranthene	**23.6**	**23.7**	**20.5**	**22.9**	**22.9**	**21.3**	**16**	**21.4**	**16.9**	**16.6**	**19.5**
Fluorene	**47**	**39.8**	**39**	**44.4**	**50.5**	**33.8**	**40.7**	**38.4**	**37**	**36.8**	**34**
Indeno(1,2,3-c,d)pyrene	0.352 U	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	1.81 U
Naphthalene	**61.8**	**45.7**	**46.4**	**52.1**	**107**	**31.4**	**52.6**	**17.5**	**48.2**	**18.4**	**15.7**
Phenanthrene	**83.5**	**60.3**	**60.2**	**76.3**	**88.1**	**61.2**	**73.5**	**55.4**	**73.4**	**57.8**	**59.7**
Pyrene	**24.9**	**23.6**	**20.8**	**24.1**	**24.2**	**23.3**	**16.3**	**21.9**	**17.7**	**17.1**	**21.1**
Total PAH (17) (U = 0)	**460.516 J**	**388.332 J**	**361.461 J**	**436.14 J**	**570.12 J**	**346.84 J**	**407.72**	**305.207 J**	**426.28**	**332.097**	**312.54 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-031323-09	GS-061423-08	GS-092723-36	GS-121423-13	GS-032124-36	GS-061024-02	GS-031214-21	GS-102214-80	GS-031715-61	GS-091815-30	GS-032116-72
Sample Date	3/13/2023	6/14/2023	9/27/2023	12/14/2023	3/21/2024	6/10/2024	3/12/2014	10/22/2014	3/17/2015	9/18/2015	3/21/2016
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	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705593.81	705593.81	705593.81	705593.81	705593.81
Conventional Parameters (mg/L)											
Cyanide	**0.304**	**0.155**	**0.713**	**0.194**	**0.179**	**0.272**	**0.028**	**0.0391**	**0.0145**	**0.0234**	**0.0164**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	**0.00177 J**	0.002 U	**0.00151 J**	0.002 U	**0.00304**	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 UJ	0.005 U	0.005 UJ
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**165**	**34.6 J**	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**5.18**	**5.87**	**6.38**	**4.64**	**6.2**	**5.79**	**1.13**	**1.08**	**0.556 J**	1 U	1 U
Barium	**91.2**	**89.6**	**96.2**	**89.3**	**91.3**	**97.7**	**44.2**	**38.7**	**32.7**	**44**	**30.8**
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	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	0.2 U	0.2 U
Calcium	--	--	**170000**	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	2 U	**0.567 J**	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	**9.94**	2 U	1 U	**8.09**	**1.23 J**	1 U	1 U
Iron	**22700**	**23800**	**25300**	**21200**	**23500**	**25300**	**15300**	**11500**	**8760**	**16200**	**11600**
Lead	0.2 U	0.2 U	**0.135 J**	0.2 U	**0.651**	0.2 U	0.2 U	**0.189 J**	**0.456**	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**1460**	**1400**	**1710**	**1290**	**1350**	**1550**	**1630**	**1450**	**673**	**2030**	**1450**
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	0.08 U	0.08 U
Nickel	**1.62 J**	**2.36**	**2.15**	**1.28 J**	**1.54 J**	2 U	**4.48**	**0.944 J**	**5.9**	1 U	**2.11**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.611 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	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	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	2 U	**2.5**	**1.46**	**11.6**	**1.28**	**1.31**
Zinc	**3.77 J**	4 U	**2.41 J**	**3.45 J**	**10.2**	4 U	4 U	**5.87**	**4.76**	**2.83 J**	**4.49**
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	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	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	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	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	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	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 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	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 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**6.84**	**2.64**	**4.81**	**3.08**	**2.51**	**5.99**	1 U	1 U	1 U	**5.57**	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	5 U	5 U
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	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	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	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	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	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**2.51**	**1.23**	**1.78**	**1.19**	**0.99 J**	**2.25**	1 U	1 U	1 U	**2**	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	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 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 U	1 U

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-031323-09	GS-061423-08	GS-092723-36	GS-121423-13	GS-032124-36	GS-061024-02	GS-031214-21	GS-102214-80	GS-031715-61	GS-091815-30	GS-032116-72
Sample Date	3/13/2023	6/14/2023	9/27/2023	12/14/2023	3/21/2024	6/10/2024	3/12/2014	10/22/2014	3/17/2015	9/18/2015	3/21/2016
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	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705593.81	705593.81	705593.81	705593.81	705593.81
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	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	1 U	1 U
2-Chlorotoluene	1 U	1 U	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	10 U	10 UJ
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	10 U	10 U
Acetone	20.3 UJ	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--	--	--
Benzene	**1.85**	**0.77**	**0.91**	**1.05**	**0.7**	**1.38**	**0.17 J**	0.25 U	**1.09**	**1.38**	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	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	1 U	1 U
Bromodichloromethane	1 U	1 U	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	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	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	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	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	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	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	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 UJ	1 U	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	5 U	3 U
Ethylbenzene	**1.33**	**0.67**	**0.75**	**0.66**	**0.48 J**	**0.74**	0.5 U	0.5 U	0.5 U	**0.27 J**	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	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	5 U	5 U
Isopropylbenzene (Cumene)	**0.77 J**	1 U	**0.58 J**	1 U	1 U	**0.85 J**	**2.36**	**1.75**	1 U	**12.3**	**1.35**
m,p-Xylene	**1.77**	**1.13**	**1.29**	**1.43**	**0.94 J**	**1.57**	**0.78 J**	**0.5 J**	1 U	**4.46**	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	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	**0.45 J**	0.5 U	**0.35 J**	**0.29 J**	0.5 U	**0.41 J**	**1.01**	**0.55**	0.5 U	**4.19**	**0.3 J**
o-Xylene	**1.69**	**1.16**	**1.28**	**1.24**	**0.98**	**1.49**	**0.38 J**	0.5 U	0.5 U	**2.11**	0.5 U
sec-Butylbenzene	1 U	1 U	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	1 U	1 U
tert-Butylbenzene	1 U	1 U	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	0.5 U	0.5 U
Toluene	**0.67 J**	**0.56 J**	**0.55 J**	**0.6 J**	1 U	**0.67 J**	1 U	1 U	1 U	1 U	1 U
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	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	2 U	2 U
Vinyl chloride	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total BTEX (U = 0)	**7.31 J**	**4.29 J**	**4.78 J**	**4.98 J**	**3.1 J**	**5.85 J**	**1.33 J**	**0.5 J**	**1.09**	**8.22 J**	1 U
Total VOC (U = 0)	**17.88 J**	**8.16 J**	**12.3 J**	**9.54 J**	**6.6 J**	**15.35 J**	**4.7 J**	**2.8 J**	**1.09**	**32.28 J**	**1.65 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**51.1**	**44.9**	**58**	**50.5**	**41.4**	**69.8**	**7.95**	**11.7**	**1.29**	**30.1**	**2.12 J**
2-Methylnaphthalene	**27.7**	**18.9**	**27**	**25.3**	**17.7**	**38.5**	**0.485 J**	**1.48**	**0.245**	**4.92**	**0.447 J**

Table 3
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-031323-09	GS-061423-08	GS-092723-36	GS-121423-13	GS-032124-36	GS-061024-02	GS-031214-21	GS-102214-80	GS-031715-61	GS-091815-30	GS-032116-72
Sample Date	3/13/2023	6/14/2023	9/27/2023	12/14/2023	3/21/2024	6/10/2024	3/12/2014	10/22/2014	3/17/2015	9/18/2015	3/21/2016
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	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705593.81	705593.81	705593.81	705593.81	705593.81
Acenaphthene	**122**	**113**	**129**	**114**	**109**	**136**	**35.2**	**44.2**	**20.4**	**83.5**	**45.3**
Acenaphthylene	**5.51**	**17**	**12.8**	**9.7**	**5.24**	**10.9**	**0.514**	**1.58**	**0.583**	**4.65**	**1.5**
Anthracene	**8.94**	**9.13**	**8.68**	**8.48**	**7.55**	**9.25**	**0.653**	**1.3**	**0.577**	**1.7**	**1.21**
Benzo(a)anthracene	**0.517**	2.04 U	2.25 U	**0.494**	**0.566**	2.08 U	0.381 U	0.357 U	**0.0856**	0.681 U	**0.114 J**
Benzo(a)pyrene	0.222 U	2.04 U	2.25 U	0.196 U	**0.11 J**	2.08 U	0.381 U	0.357 U	**0.0827**	0.681 U	0.175 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.222 U	2.04 U	2.25 U	0.196 U	**0.11 J**	2.08 U	0.381 U	0.357 U	**0.0687**	0.681 U	0.175 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.445 U	4.08 U	4.51 U	0.392 U	0.401 U	4.16 U	0.381 U	0.714 U	**0.0831**	1.36 U	0.351 U
Benzo(k)fluoranthene	0.222 U	2.04 U	2.25 U	0.196 U	0.2 U	2.08 U	0.381 U	0.357 U	**0.0206**	0.681 U	0.175 U
Carbazole	**10**	**5.92**	--	--	--	--	0.381 U	0.714 U	**0.0889**	1.36 U	0.351 U
Chrysene	**0.384**	2.04 U	2.25 U	**0.411**	**0.406**	2.08 U	0.381 U	0.357 U	**0.0736**	0.681 U	0.175 U
Dibenzo(a,h)anthracene	0.222 U	2.04 U	2.25 U	0.196 U	0.2 U	2.08 U	0.381 U	0.357 U	0.0165 U	0.681 U	0.175 U
Dibenzofuran	**4.34**	**3.88 J**	**4.51**	**4.05**	**3.35**	**4.94**	0.381 U	0.714 U	**0.158**	1.36 U	0.351 U
Fluoranthene	**14.2**	**17.5**	**17**	**17.2**	**15.2**	**18**	**3.09**	**4.31**	**2.24**	**4.66**	**3.35**
Fluorene	**31.7**	**31.8**	**32.5**	**31.3**	**31.2**	**37.7**	**0.887**	**1.63**	**0.27**	**1.36**	**0.745**
Indeno(1,2,3-c,d)pyrene	0.222 U	2.04 U	2.25 U	0.196 U	0.2 U	2.08 U	0.381 U	0.357 U	**0.0625**	0.681 U	0.175 U
Naphthalene	**21.8**	**15.8**	**10.9**	**13.4**	**6.98**	**13**	0.762 U	**1.96**	**1.08**	**2.26 J**	**0.969**
Phenanthrene	**54.6**	**54.3**	**54.9**	**55.4**	**48**	**65.4**	**0.638**	**1.12 J**	**0.385**	**1.67 J**	**0.447 J**
Pyrene	**14.7**	**18.8**	**17.6**	**18.1**	**16**	**18.3**	**2.68**	**4.06**	**2.1**	**4.24**	**2.81**
Total PAH (17) (U = 0)	**302.051**	**296.23**	**310.38**	**293.785**	**258.062 J**	**347.05**	**44.147 J**	**61.64 J**	**28.3568**	**108.96 J**	**56.892 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	**2.17**	**1.78**	**1.65 J**	**1.85 J**	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	**0.49**	**0.42**	**0.241**	**0.537**	--	--	--	--	--
Oil-range organics	--	--	0.385 U	0.385 U	0.4 U	0.381 U	--	--	--	--	--

Table 3
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	OW-7-17	OW-7-17
sys_sample_code	GS-101916-88	GS-100417-60	GS-092618-71	GS-091119-10	GS-121819-10	GS-031220-44	GS-060920-05	GS-092320-07	GS-120820-01	GS-030421-08	GS-060821-12
Sample Date	10/19/2016	10/4/2017	9/26/2018	9/11/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021
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	12.5–17.5 ft	12.5–17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Conventional Parameters (mg/L)											
Cyanide	**0.0166**	**0.0142**	**0.0176**	**0.0492**	**0.0559**	**0.0472**	**0.0564**	**0.0452**	**0.0797**	**0.0542**	**0.0462**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
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 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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	450 U	50 U	50 U	50 U	**77.6**	50 U	50 U	50 U	**34.9 J**
Antimony	2 U	1 U	9 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	**0.856 J**	9 U	**0.863 J**	**0.705 J**	**0.73 J**	**0.94 J**	**1.31**	**1.98**	**6.87**	1 U
Barium	**29.1**	**40**	**413**	**34.3**	**29.6**	**40.6**	**35.9**	**35.3**	**44.4**	**128**	**63.7**
Beryllium	0.2 U	0.2 U	1.8 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	1.8 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.109 J**	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	9 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	1 U	1 U	9 U	1 U	1 U	2 U	2 U	**3.85**	2 U	2 U	2 U
Iron	**11100**	**17100**	**192000**	**15100**	**12000**	**15500**	**16200**	**13900**	**17800**	**58200**	**27800**
Lead	0.2 U	0.2 U	1.8 U	0.2 U	0.2 U	0.2 U	**0.201**	**0.96**	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**1250**	**1930**	**21100**	**1750**	**1470**	**1820**	**1940**	**1490**	**2040**	**4570**	**3050**
Mercury	0.08 U	0.08 U	0.72 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	**2.61**	**1.52**	9 U	**3.37**	**4.94 J**	**11.2**	**7.12**	**3.29**	**3.4**	**13.1**	**2.55**
Potassium	--	--	**20400**	--	--	**2350**	--	--	--	--	--
Selenium	1 U	1 U	9 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	1.8 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	1.8 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	**2.1**	**1.59**	**11.9**	**1.76**	**1.82**	**3.05**	**2.73**	**4.55**	**2.87**	**4.23**	**3.32**
Zinc	**2.02 J**	**3.1 J**	**41.6**	**4.62**	**3.11 J**	**3.75 J**	**4.82**	**31.4**	4 U	**2.42 J**	4 U
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 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	10 U	1 U	0.5 U	5 U	25 U	25 U
1,1-Dichloroethane	0.5 U	**0.265 J**	**0.306 J**	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U
1,1-Dichloroethene	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U
1,2,4-Trimethylbenzene	**1.57**	**7.78**	**4.49**	1 U	**3.31**	**10.4 J**	**3.42**	**2.57**	**8.08 J**	50 U	50 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	100 U	10 U	5 U	50 U	250 U	250 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U
1,2-Dichloroethane	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	**0.88 J**	**4.07**	**1.78**	1 U	**0.824 J**	20 U	2 U	**0.567 J**	10 U	50 U	50 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	20 U	4 U	1 U	10 U	50 U	50 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U

Table 3
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	OW-7-17	OW-7-17
sys_sample_code	GS-101916-88	GS-100417-60	GS-092618-71	GS-091119-10	GS-121819-10	GS-031220-44	GS-060920-05	GS-092320-07	GS-120820-01	GS-030421-08	GS-060821-12
Sample Date	10/19/2016	10/4/2017	9/26/2018	9/11/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021
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	12.5–17.5 ft	12.5–17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U
Acetone	20 U	20 U	20 U	20 U	20 U	400 U	40 U	20 U	200 U	1000 U	1000 U
Acrylonitrile	--	2 U	2 U	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U
Benzene	**33.2**	**102**	**2.98**	**545**	**873**	**2240**	**307**	**97.4**	**1170**	**2370**	**2230**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	20 U	50 U	50 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 U	100 U	10 U	5 U	50 U	250 UJ	250 U
Carbon disulfide	--	10 U	10 U	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	40 U	2 U	1 U	10 U	50 U	50 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U
Chloroethane	5 U	10 U	5 U	5 U	5 U	100 UJ	10 U	5 U	50 U	250 U	250 U
Chloroform	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	100 U	10 U	5 U	50 U	250 U	250 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Dichloromethane (Methylene chloride)	3 U	3 U	3 U	5 U	5 U	200 U	20 U	10 U	100 U	500 U	500 U
Ethylbenzene	**0.26 J**	**1.23**	**0.317 J**	**3.43**	**60.5**	**95.8**	**21.3**	**14.3**	**61**	**45.5**	**42**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1 U	0.5 U	10 U	25 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	100 U	10 U	5 U	50 U	250 U	250 U
Isopropylbenzene (Cumene)	**5.63**	**13.8**	**14.8**	**1.89**	**3.86**	20 U	**2.1**	**2.14**	**5.41 J**	50 U	50 U
m,p-Xylene	**1.85**	**6.08**	**6.76**	**3.07**	**60.6**	**61**	**11.6**	**10.8**	**59.6**	**42 J**	**65.3**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	**23**	2 U	1 U	10 U	50 U	50 U
n-Propylbenzene	**1.61**	**5.6**	**4.53**	**0.774**	**1.34**	10 U	**0.52 J**	**0.787**	5 U	25 U	25 U
o-Xylene	**1.2**	**3.2**	**2.16**	**2.12**	**47.2**	**80.7**	**16.8**	**6.69**	**24.7**	**23.5 J**	**24.4 J**
sec-Butylbenzene	1 U	**0.652 J**	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Styrene	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U
Tetrachloroethene (PCE)	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U
Toluene	1 U	**0.55 J**	1 U	**2.4**	**8.8**	**10.9 J**	**1.46 J**	**0.618 J**	10 U	50 U	50 U
Trichloroethene (TCE)	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U
Vinyl chloride	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U
Total BTEX (U = 0)	**36.51 J**	**113.06 J**	**12.217 J**	**556.02**	**1050.1**	**2488.4 J**	**358.16 J**	**129.808 J**	**1315.3**	**2481 J**	**2361.7 J**
Total VOC (U = 0)	**46.2 J**	**145.227 J**	**38.123 J**	**558.684**	**1059.434 J**	**2521.8 J**	**364.2 J**	**135.872 J**	**1328.79 J**	**2481 J**	**2361.7 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**17.9**	**81.1**	**72.4**	**22.8**	**24.1 J**	**26.8**	**22**	**20.8**	**21.9**	**38.2**	**24.3**
2-Methylnaphthalene	2.78 U	**5.82**	**3.64**	**2.85**	**1.86 J**	6.41 U	**2.38 J**	**3.67**	**2.53**	**6.42**	**3.92**

Table 3
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	OW-7-17	OW-7-17
sys_sample_code	GS-101916-88	GS-100417-60	GS-092618-71	GS-091119-10	GS-121819-10	GS-031220-44	GS-060920-05	GS-092320-07	GS-120820-01	GS-030421-08	GS-060821-12
Sample Date	10/19/2016	10/4/2017	9/26/2018	9/11/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021
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	12.5–17.5 ft	12.5–17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Acenaphthene	**57.3**	**71.2**	**65.9**	**48.9**	**44.9**	**45.9**	**43.7**	**45.6**	**47.6**	**63.2**	**60**
Acenaphthylene	**2.89**	**1.95**	**1.35**	**1.85**	**2.23 J**	**4.4**	**1.81**	**2.78**	1.47 U	**2.5**	**2.62**
Anthracene	**1.17 J**	**1.55**	**1.51**	**1.32**	**1.25 J**	3.2 U	**1.26 J**	**1.59**	**1.35**	**1.65**	**1.63**
Benzo(a)anthracene	0.696 U	**0.0943**	**0.0692 J**	0.647 U	**0.125 J**	1.6 U	0.689 U	**0.161 J**	**0.112 J**	0.757 U	0.685 U
Benzo(a)pyrene	0.696 U	**0.0334**	**0.0129 J**	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.696 U	**0.0381 J**	**0.0115 J**	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1.39 U	**0.0189 J**	0.0343 U	1.29 U	0.128 U	3.2 U	1.38 U	0.644 U	0.391 U	1.51 U	1.37 U
Benzo(k)fluoranthene	0.696 U	**0.0358 J**	**0.0165 J**	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U
Carbazole	1.39 U	**0.0872**	**0.0844**	1.29 U	0.128 U	3.2 U	1.38 U	**0.427 J**	**0.401**	**0.947 J**	**0.857 J**
Chrysene	0.696 U	**0.0727**	**0.0417 J**	0.647 U	**0.0766 J**	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U
Dibenzo(a,h)anthracene	0.696 U	**0.0153 J**	0.0172 U	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U
Dibenzofuran	1.39 U	**0.202**	**0.242**	1.29 U	**0.418 J**	3.2 U	1.38 U	0.644 U	0.391 U	1.51 U	1.37 U
Fluoranthene	**4.33**	**4.51**	**4.12**	**4.64**	**3.69 J**	**2.3 J**	**2.95**	**6.1**	**3.88**	**3.5**	**4.22**
Fluorene	**1.98**	**1.85**	**4.01**	**1.63**	**1.88 J**	**2.23 J**	**1.71**	**2.02**	**1.82**	**2.56**	**2.38**
Indeno(1,2,3-c,d)pyrene	0.696 U	**0.02**	0.0172 U	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U
Naphthalene	**1.84 J**	**3.34**	**0.787 J**	2.59 U	**25.7 J**	**501**	**175**	**87.1**	**89.2**	**274**	**274**
Phenanthrene	2.78 U	**0.587**	**0.941**	**1.65 J**	**1.24 J**	6.41 U	2.76 U	**1.77**	**1.07**	**1.65 J**	2.74 U
Pyrene	**3.67**	**3.93**	**3.44**	**3.99**	**3.01 J**	**2.07 J**	**2.45**	**5.34**	**3.28**	**2.95**	**3.48**
Total PAH (17) (U = 0)	**73.18 J**	**95.0655 J**	**85.8498 J**	**66.83 J**	**85.9616 J**	**557.9 J**	**231.26 J**	**156.131 J**	**150.842 J**	**358.43 J**	**352.25**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
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	OW-7-17	OW-7-17
sys_sample_code	GS-090821-22	GS-121521-16	GS-032122-38	GS-061622-09	GS-101122-122	GS-121522-11	GS-041223-67	GS-061523-11	GS-091223-08	GS-121423-16	GS-031924-28
Sample Date	9/8/2021	12/15/2021	3/21/2022	6/16/2022	10/11/2022	12/15/2022	4/12/2023	6/15/2023	9/12/2023	12/14/2023	3/19/2024
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	12.5–17.5 ft	12.5–17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Conventional Parameters (mg/L)											
Cyanide	**0.0829**	**0.0129**	**0.0145**	**0.111**	**0.0281**	**0.0175**	**0.0119**	**0.0372**	**0.0191**	**0.0153**	**0.0283**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 UJ	0.002 U	**0.00228**	0.002 U	0.002 U	**0.00146 J**	0.002 U	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	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**10200**	**34.2 J**	**197**	**141**	**190**	**327**	**108**	**71.6**	**62.7**	50 U	**48.4 J**
Antimony	**1.19**	1 U	1 U	**0.593 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**6.62**	1 U	1 U	1 U	**1.97**	**0.716 J**	1 U	1 U	1 U	1 U	1 U
Barium	**404**	**26.7**	**17.9**	**24.3**	**112**	**125**	**15.9**	**87.5**	**67.2**	**12.6**	**42.7**
Beryllium	**1.01**	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	0.2 U
Cadmium	**0.364**	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	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	**47.7**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**42.2**	2 U	2 U	**1.03 J**	2 U	**1.45 J**	2 U	2 U	2 U	**2.08**	2 U
Iron	**227000**	**777**	**2570**	**613**	**37500**	**29700**	**509**	**26900**	**17700**	**134**	**6760**
Lead	**36.1**	0.2 U	**0.283**	**0.208**	**0.255**	**0.763**	**0.257**	**0.21**	**0.224**	**0.12 J**	**0.137 J**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**8730**	**171**	**324**	**169**	**4020**	**3910**	**91.9**	**3810**	**2660**	**65.6**	**1750**
Mercury	**0.0406 J**	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	0.08 U
Nickel	**171**	**14.3**	**16.7**	**14.5**	**6.44**	**48.5**	**11.4**	**15.5**	**23.7**	**22.5**	**21.3**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--	--	--
Thallium	**0.101 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	0.2 U	0.2 U
Vanadium	**535**	**73.6**	**23.5**	**83.2**	**15.4**	**32**	**97.7**	**16.3**	**13.8**	**57.6**	**15.4**
Zinc	**160 J**	**6.17**	**5.67**	**5.02**	**7.26**	**10.8**	**3.17 J**	**6.93**	**7.5**	**4.53**	**4.89**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	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	0.4 U	0.4 U
1,1,1-Trichloroethane	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	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	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	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	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	0.5 U	0.5 U
1,1-Dichloroethane	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	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	0.4 U	0.4 U
1,1-Dichloropropene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**9.86 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dibromo-3-chloropropane	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	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	0.5 U	0.5 U
1,2-Dichloroethane	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	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	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	0.4 U	0.4 U
1,2-Dichloropropane	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	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	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	0.5 U	0.5 U
1,3-Dichloropropane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 3
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	OW-7-17	OW-7-17
sys_sample_code	GS-090821-22	GS-121521-16	GS-032122-38	GS-061622-09	GS-101122-122	GS-121522-11	GS-041223-67	GS-061523-11	GS-091223-08	GS-121423-16	GS-031924-28
Sample Date	9/8/2021	12/15/2021	3/21/2022	6/16/2022	10/11/2022	12/15/2022	4/12/2023	6/15/2023	9/12/2023	12/14/2023	3/19/2024
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	12.5–17.5 ft	12.5–17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
1,3-Dichloropropene, trans-	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	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	0.5 U	0.5 U
2,2-Dichloropropane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	200 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**2400**	**0.44**	0.2 U	0.2 U	**0.43**	**0.11 J**	0.2 U	**0.12 J**	**0.14 J**	0.2 U	0.2 U
Bromobenzene	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	0.5 U	0.5 U
Bromochloromethane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	50 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	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	0.5 U	0.5 U
Chloroethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	**10.6**	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	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	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	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	50 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	10 U	1 U	1 U	1 U	**1.56**	**0.55 J**	1 U	1 U	1 U	1 U	**0.69 J**
m,p-Xylene	**31.2**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	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	0.5 U	1 U
o-Xylene	**4.24 J**	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	0.5 U
sec-Butylbenzene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.57 J**
Styrene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
tert-Butylbenzene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	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	0.4 U	0.4 U
Toluene	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	20 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
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	0.2 U	0.2 U	0.2 U
Total BTEX (U = 0)	**2446.04 J**	**0.44**	1 U	1 U	**0.43**	**0.11 J**	1 U	**0.12 J**	**0.14 J**	1 U	1 U
Total VOC (U = 0)	**2455.9 J**	**0.44 J**	20 U	20 U	**1.99**	**0.66 J**	20 U	**0.12 J**	**0.14 J**	20 U	**1.26 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**26.3**	**0.628**	**0.335**	**0.186**	**1.24 J**	9.22 U	0.0701 U	0.752 U	0.959 U	0.0669 U	**0.527**
2-Methylnaphthalene	**4.33 J**	**0.0652 J**	0.088 U	0.0699 U	1.66 U	9.22 U	0.0701 U	0.752 U	0.959 U	0.0669 U	**0.175**

Table 3
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	OW-7-17	OW-7-17
sys_sample_code	GS-090821-22	GS-121521-16	GS-032122-38	GS-061622-09	GS-101122-122	GS-121522-11	GS-041223-67	GS-061523-11	GS-091223-08	GS-121423-16	GS-031924-28
Sample Date	9/8/2021	12/15/2021	3/21/2022	6/16/2022	10/11/2022	12/15/2022	4/12/2023	6/15/2023	9/12/2023	12/14/2023	3/19/2024
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	12.5–17.5 ft	12.5–17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Acenaphthene	**70.2**	**3.87**	**4.97**	**1.97**	**41.4**	**34.9**	**0.681**	**23.5**	**29.6**	**0.855**	**25.7**
Acenaphthylene	**3.65 J**	**0.173**	**0.321**	**0.233**	**2.59**	**5.02**	**0.092**	**1.44**	**1.49**	**0.122**	**1.12**
Anthracene	4.23 U	**0.147**	**0.171**	**0.178**	**0.942**	4.61 U	**0.0789**	**0.353 J**	**0.479**	**0.0753**	**0.56**
Benzo(a)anthracene	2.11 U	**0.0152 J**	**0.0115 J**	0.0175 U	0.414 U	2.31 U	0.0175 U	0.188 U	0.24 U	0.0167 U	**0.0287**
Benzo(a)pyrene	2.11 U	**0.0196**	0.022 U	**0.0127 J**	0.414 U	2.31 U	**0.021**	0.188 U	0.24 U	**0.00878 J**	0.0188 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	2.11 U	**0.0182**	0.022 U	**0.0131 J**	0.414 U	2.31 U	**0.0206 J**	0.188 U	0.24 U	**0.00962 J**	0.0188 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	4.23 U	**0.0295 J**	0.044 U	**0.0367**	0.828 U	4.61 U	**0.0377**	0.376 U	0.479 U	**0.0205 J**	0.0377 U
Benzo(k)fluoranthene	2.11 U	**0.0109 J**	0.022 U	0.0175 U	0.414 U	2.31 U	0.0175 U	0.188 U	0.24 U	0.0167 U	0.0188 U
Carbazole	4.23 U	**0.0643**	**0.0764**	**0.0319 J**	0.828 U	4.61 U	0.035 U	0.376 U	--	--	--
Chrysene	2.11 U	0.0174 U	0.022 U	0.0175 U	0.414 U	2.31 U	0.0175 U	0.188 U	0.24 U	0.0167 U	**0.0226 J**
Dibenzo(a,h)anthracene	2.11 U	0.0174 U	0.022 U	0.0175 U	0.414 U	2.31 U	0.0175 U	0.188 U	0.24 U	**0.00878 J**	0.0188 U
Dibenzofuran	4.23 U	0.0348 U	**0.0346 J**	0.0349 U	0.828 U	4.61 U	0.035 U	0.376 U	0.479 U	0.0334 U	0.0377 U
Fluoranthene	**3.38 J**	**0.306**	**0.407**	**0.165**	**2.78**	**2.54 J**	**0.0705**	**0.781**	**1.86**	**0.0732**	**1.99**
Fluorene	**3.28 J**	**0.192**	**0.239**	**0.104**	**1.9**	4.61 U	**0.0258 J**	**1.01**	**0.935**	**0.0293 J**	**1.59**
Indeno(1,2,3-c,d)pyrene	2.11 U	**0.0182**	0.022 U	**0.0249**	0.414 U	2.31 U	**0.0293**	0.188 U	0.24 U	**0.0176**	0.0188 U
Naphthalene	**330**	**2.2**	**0.376**	**0.192**	**1.45 J**	9.22 U	**0.0355 J**	0.752 U	0.959 U	0.0669 U	**0.205**
Phenanthrene	8.45 U	**0.0695**	0.088 U	**0.041 J**	1.66 U	9.22 U	0.0701 U	0.752 U	0.959 U	0.0669 U	**0.112**
Pyrene	**3.01 J**	**0.23**	**0.185**	**0.124**	**2**	4.61 U	**0.053**	**0.437**	**1.07**	**0.0406**	**1.66**
Total PAH (17) (U = 0)	**417.85 J**	**7.3643 J**	**6.6805 J**	**3.0944 J**	**53.062 J**	**42.46 J**	**1.1453 J**	**27.521 J**	**35.434**	**1.26068 J**	**33.1633 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	**0.669**	**0.167 J**	**0.78 J**
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	**0.0658 J**	0.1 U	0.1 U
Oil-range organics	--	--	--	--	--	--	--	--	**0.366 J**	0.396 U	0.377 U

Table 3
Laboratory Testing Results

Location ID	OW-7-17	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	OW-8-15
sys_sample_code	GS-061224-17	GS-031214-17	GS-102214-81	GS-031715-57	GS-032116-73	GS-102016-94	GS-100819-93	GS-121819-12	GS-031220-42	GS-060920-03	GS-092320-06
Sample Date	6/12/2024	3/12/2014	10/22/2014	3/17/2015	3/21/2016	10/20/2016	10/8/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020
Depth	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	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35
Y	705593.81	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
Conventional Parameters (mg/L)											
Cyanide	**0.011**	**0.113**	**0.0597**	**0.0493**	**0.0251**	**0.0442**	**0.0192**	**0.0229**	**0.0204**	**0.0351**	**0.032**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	**0.001 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 UJ	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**25.8 J**	**88.2**	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	1 U	1 U
Arsenic	1 U	1 U	**1.22**	**0.644 J**	1 U	1 U	1 U	**0.571 J**	1 U	**0.558 J**	**1.03**
Barium	**44.8**	**24.9**	**42**	**50.1**	**26.2**	**42.7**	**38**	**44**	**25**	**45**	**53**
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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	2 U	**0.756 J**	1 U	1 U	**0.956 J**	1 U	1 U	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	**2.56**	1 U	**0.878 J**	**1.13**	**1.16**	1 U	1 U	2 U	2 U	2 U
Iron	**15300**	**677**	**17900**	**10700**	**6040**	**14500**	**16600**	**19000**	**10800**	**15700**	**21100**
Lead	0.2 U	**0.2**	0.2 U	**0.189 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**1920**	**91.6**	**1530**	**891**	**456**	**1450**	**1090**	**1280**	**726**	**1140**	**1560**
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	0.08 U	0.08 U
Nickel	**2.51**	**22.5**	**3.68**	**4.81**	**4.67**	**5.46**	**4.82**	**6.76 J**	**5.33**	**15.5**	**4.74**
Potassium	--	--	--	--	--	--	--	--	**2320**	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	**0.544 J**	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	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	0.2 U	0.2 U
Vanadium	**8.03**	**11.6**	**1.1**	**1.14**	**2.36**	**0.944 J**	**2.41**	**1.6**	**1.89 J**	**1.78 J**	2 U
Zinc	**3.3 J**	**2.48 J**	**4.86**	**2.24 J**	**6.37**	**4.89**	**4.17**	**3.75 J**	4 U	**2.82 J**	**2.13 J**
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	20 U	0.4 U	0.4 U	0.4 U	20 U
1,1,1-Trichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 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	0.5 U	0.5 U	0.5 U	25 U
1,1-Dichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 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	0.4 U	0.4 U	0.4 U	20 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U	2 U	100 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U	2 U	100 U
1,2,4-Trimethylbenzene	1 U	1 U	**1.67**	1 U	1 U	1 U	50 U	1 U	1 U	**0.65 J**	50 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U	5 U	250 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U
1,2-Dichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 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	0.4 U	0.4 U	0.4 U	20 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	0.4 U	0.4 U	0.4 U	20 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	**0.52 J**	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	2 U	50 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U

Table 3
Laboratory Testing Results

Location ID	OW-7-17	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	OW-8-15
sys_sample_code	GS-061224-17	GS-031214-17	GS-102214-81	GS-031715-57	GS-032116-73	GS-102016-94	GS-100819-93	GS-121819-12	GS-031220-42	GS-060920-03	GS-092320-06
Sample Date	6/12/2024	3/12/2014	10/22/2014	3/17/2015	3/21/2016	10/20/2016	10/8/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020
Depth	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	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35
Y	705593.81	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 UJ	10 U	500 U	10 U	10 U	10 U	500 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	500 U	10 U	10 U	10 U	500 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	1000 U	20 U	20 U	20 U	1000 U
Acrylonitrile	2 U	--	--	--	--	--	100 U	2 U	2 U	2 U	100 U
Benzene	0.2 U	0.25 U	**0.38**	**13.6**	**0.15 J**	0.2 U	**3170**	**4240**	**1160**	**20000**	**19000**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Bromomethane (Methyl bromide)	5 U	5 U	5 UJ	5 U	5 UJ	5 U	250 U	5 U	5 U	5 U	250 U
Carbon disulfide	10 U	--	--	--	--	--	500 U	10 U	10 U	10 U	500 U
Carbon tetrachloride (Tetrachloromethane)	1 U	0.5 U	0.5 U	0.5 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U	5 U	250 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U	5 U	250 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Dichloromethane (Methylene chloride)	10 U	5 U	5 U	5 U	3 U	3 U	**R**	5 U	10 U	10 U	500 U
Ethylbenzene	0.5 U	0.5 U	**0.32 J**	0.5 U	0.5 U	0.5 U	25 U	**13.5**	**0.664**	**8.59**	**70.5**
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	0.5 U	0.5 U	0.5 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U	5 U	250 U
Isopropylbenzene (Cumene)	1 U	1 U	**9.36**	**1.34**	**0.6 J**	**1.11**	50 U	**3.18**	1 U	**5.61**	50 U
m,p-Xylene	1 U	1 U	**1.7**	1 U	1 U	1 U	50 U	**0.712 J**	1 U	**1.58**	50 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	500 U	10 U	10 U	10 U	500 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
n-Butylbenzene	1 U	1 U	**0.5 J**	1 U	1 U	1 U	50 U	**0.687 J**	1 U	1 U	50 U
n-Propylbenzene	0.5 U	0.5 U	**3.55**	**0.56**	**0.3 J**	**0.744**	25 U	**0.651**	**0.311 J**	**0.66**	25 U
o-Xylene	0.5 U	0.5 U	**0.67**	0.5 U	0.5 U	0.5 U	25 U	**3.77**	0.5 U	**21.5**	**37**
sec-Butylbenzene	1 U	1 U	**0.84 J**	1 U	1 U	1 U	50 U	**0.738 J**	1 U	1 U	50 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	50 U
Tetrachloroethene (PCE)	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	**3.46**	**1.77**	**6.96**	**40.2 J**
Trichloroethene (TCE)	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	0.4 U	20 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U	2 U	100 U
Vinyl chloride	0.2 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	0.4 U	20 U
Total BTEX (U = 0)	1 U	1 U	**3.07 J**	**13.6**	**0.15 J**	1 U	**3170**	**4261.442 J**	**1162.434**	**20038.63**	**19147.7 J**
Total VOC (U = 0)	20 U	20 U	**19.51 J**	**15.5**	**1.05 J**	**1.854**	**3170**	**4266.698 J**	**1162.745 J**	**20045.55 J**	**19147.7 J**
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**0.22**	0.0381 U	**1.92**	**0.261**	**0.353 J**	**0.951**	**0.698**	**1.01 J**	**1.11**	**1.16**	**5.88**
2-Methylnaphthalene	**0.0702 J**	0.0381 U	**0.238**	**0.0334 J**	**0.0493 J**	**0.169**	0.657 U	**0.3 J**	**0.224 J**	**0.403**	**0.795 J**

Table 3
Laboratory Testing Results

Location ID	OW-7-17	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	OW-8-15
sys_sample_code	GS-061224-17	GS-031214-17	GS-102214-81	GS-031715-57	GS-032116-73	GS-102016-94	GS-100819-93	GS-121819-12	GS-031220-42	GS-060920-03	GS-092320-06
Sample Date	6/12/2024	3/12/2014	10/22/2014	3/17/2015	3/21/2016	10/20/2016	10/8/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020
Depth	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	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	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35
Y	705593.81	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
Acenaphthene	**37.7**	**0.0351**	**20.9**	**14.1**	**5.02**	**6.4**	**8.38**	**14 J**	**10**	**5.17**	**14.7**
Acenaphthylene	**1.2**	**0.0462**	**1.09**	**0.346**	0.292 U	**0.55**	**0.879**	1.25 U	0.809 U	1.3 U	2.44 U
Anthracene	**0.504**	**0.095**	**0.851**	**0.317**	**0.365**	**0.473**	**1.01**	**0.995 J**	**0.705**	**1.15**	**1.62**
Benzo(a)anthracene	**0.0488**	**0.0104 J**	**0.0371**	**0.0118 J**	0.0183 U	**0.0135 J**	**0.0822 J**	0.0643 U	0.0647 U	0.0692 U	0.325 U
Benzo(a)pyrene	**0.0158 J**	**0.011 J**	0.025 U	0.0157 U	0.0183 U	**0.0105 J**	**0.0855 J**	0.0643 U	**0.0323 J**	0.0692 U	0.325 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	**0.0135 J**	--	0.0278 U	0.0157 U	0.0183 U	**0.00927 J**	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U
Benzo(b,j,k)fluoranthenes	--	**0.0211 J**	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0372 U	**0.027**	0.0371 U	0.0314 U	0.0365 U	0.0337 U	0.329 U	0.129 U	**0.0708 J**	0.138 U	0.649 U
Benzo(k)fluoranthene	**0.0135 J**	--	0.0371 U	0.0157 U	**0.01 J**	**0.0101 J**	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U
Carbazole	--	0.019 U	0.0556 U	0.0314 U	0.0365 U	0.0337 U	0.329 U	0.129 U	**0.0946 J**	0.138 U	**2.77**
Chrysene	**0.0344**	0.019 U	0.0324 U	**0.0126 J**	0.0183 U	**0.00927 J**	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U
Dibenzo(a,h)anthracene	0.0186 U	0.019 U	0.0185 U	0.0157 U	0.0183 U	0.0169 U	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U
Dibenzofuran	0.093 U	0.019 U	0.0371 U	0.0314 U	0.073 U	**0.119**	0.329 U	0.129 U	**0.661**	0.138 U	0.649 U
Fluoranthene	**3.28**	0.019 U	**0.249**	**0.147**	**0.185**	**0.388 J**	**0.309 J**	**0.445 J**	**0.437**	**0.429**	**0.657**
Fluorene	**3.35**	0.019 U	**2.01**	**1.32**	**0.891**	**1.4**	**1.83**	**2.44 J**	**2.92**	**1.48**	**2.91**
Indeno(1,2,3-c,d)pyrene	0.0186 U	**0.0201**	**0.0144 J**	0.0157 U	**0.0164 J**	0.0169 U	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U
Naphthalene	0.0744 U	0.0381 U	**0.946**	**0.417**	0.119 U	0.43 U	**1.46 J**	**12.4 J**	**0.771**	**33.7**	**224**
Phenanthrene	0.151 U	0.019 U	**0.271**	0.0629 U	0.073 U	**0.115**	0.657 U	**0.273 J**	**0.138 J**	0.277 U	1.3 U
Pyrene	**2.7**	**0.0124 J**	**0.381**	**0.216**	**0.181**	**0.256**	**0.43**	**0.478 J**	**0.419**	**0.384**	**0.731**
Total PAH (17) (U = 0)	**48.9302 J**	**0.2783 J**	**26.9875 J**	**16.9208 J**	**6.7177 J**	**9.80364 J**	**14.4657 J**	**31.331 J**	**15.7171 J**	**42.716**	**245.413 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	**0.365 J**	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	0.1 U	--	--	--	--	--	--	--	--	--	--
Oil-range organics	0.385 U	--	--	--	--	--	--	--	--	--	--

Table 3
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	OW-8-15	OW-8-15
sys_sample_code	GS-120820-02	GS-030421-09	GS-060821-10	GS-121521-15	GS-032222-40	GS-061622-10	GS-041223-66	GS-061523-10	GS-121423-14	GS-031924-27	GS-061224-15
Sample Date	12/8/2020	3/4/2021	6/8/2021	12/15/2021	3/22/2022	6/16/2022	4/12/2023	6/15/2023	12/14/2023	3/19/2024	6/12/2024
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	10.1–15.1 ft	10.1–15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623600.35	7623600.35
Y	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
Conventional Parameters (mg/L)											
Cyanide	**0.0331**	**0.024**	**0.0205**	**0.0282**	**0.0493**	**0.115**	**0.0519**	**0.0483**	**0.07**	**0.0415**	**0.0448**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	0.002 UJ	0.002 U	0.002 U	**0.00133 J**	0.002 U	**0.00251**	**0.00138 J**	**0.00181 J**	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	0.005 U	0.005 U
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	50 U	50 U	50 U	50 U	**156**	**427**	50 U	**214**	50 U	**278**	**190**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**1.17**	**0.571 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Barium	**61.1**	**36.9**	**190**	**40.7**	**40.4**	**13.7**	**21.4**	**30.6**	**33.1**	**25.4**	**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	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	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	**1.24 J**	2 U	**1.57 J**	2 U	2 U	**2.28**	2 U	**4.66**	**13**
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	**1.74 J**	**1.55 J**	**1.02 J**	**1.51 J**	**1.04 J**	**2.13**	**1.31 J**
Iron	**20800**	**11300**	**63500**	**986**	**1260**	**699**	**673**	**1300**	**124**	**1660**	**2710**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	**0.259**	**0.38**	0.2 U	**0.296**	0.2 U	**0.442**	**0.299**
Magnesium	--	--	--	--	--	--	--	--	--	--	--
Manganese	**1980**	**985**	**4970**	**268**	**84.9**	**4.58**	**41.6**	**17.1**	**7.77**	**39.4**	**143**
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	0.08 U	0.08 U
Nickel	**6.97**	**7.11**	**11.8**	**28.5**	**15.8**	**16.7**	**17.4**	**35.9**	**39.7**	**62.8**	**35.9**
Potassium	--	--	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	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	**0.517**	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	0.2 U	0.2 U
Vanadium	**2.3**	2 U	2 U	**3.13**	**7.77**	**139**	**11.7**	**41.8**	**22.4**	**21.7**	**16.5**
Zinc	**2.34 J**	4 U	**2.5 J**	**5.04**	**4**	**4.63**	**3.08 J**	**8.49**	**5.06**	**7.72**	**7.63**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	40 U	0.4 U	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
1,1,1-Trichloroethane	40 U	0.4 U	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	50 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	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	50 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	0.5 U	0.5 U
1,1-Dichloroethane	40 U	0.4 U	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	40 U	0.4 U	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	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	200 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	200 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dibromo-3-chloropropane	500 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	50 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	0.5 U	0.5 U
1,2-Dichloroethane	40 U	0.4 U	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-	40 U	0.4 U	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-	40 U	0.4 U	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	50 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	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	50 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	0.5 U	0.5 U
1,3-Dichloropropane	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 3
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	OW-8-15	OW-8-15
sys_sample_code	GS-120820-02	GS-030421-09	GS-060821-10	GS-121521-15	GS-032222-40	GS-061622-10	GS-041223-66	GS-061523-10	GS-121423-14	GS-031924-27	GS-061224-15
Sample Date	12/8/2020	3/4/2021	6/8/2021	12/15/2021	3/22/2022	6/16/2022	4/12/2023	6/15/2023	12/14/2023	3/19/2024	6/12/2024
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	10.1–15.1 ft	10.1–15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623600.35	7623600.35
Y	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
1,3-Dichloropropene, trans-	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	50 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	0.5 U	0.5 U
2,2-Dichloropropane	100 UJ	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	1000 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	2000 U	20 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	200 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**10600**	**3380**	**683**	0.2 U	**0.21**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	50 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	0.5 U	0.5 U
Bromochloromethane	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	200 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	500 U	5 UJ	25 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	1000 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	50 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	0.5 U	0.5 U
Chloroethane	500 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	500 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	1000 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	**33.8 J**	**1.88**	**19.9**	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)	100 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	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	100 U	**0.91 J**	**3.1 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	100 U	**0.74 J**	**3.87 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	1000 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	100 U	**0.51 J**	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	50 U	**0.57**	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U
o-Xylene	50 U	**2.58**	**8.06**	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	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
tert-Butylbenzene	100 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	40 U	0.4 U	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
Toluene	100 U	**1.46**	**4.72 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (TCE)	40 U	0.4 U	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)	200 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	40 U	0.4 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U
Total BTEX (U = 0)	**10633.8 J**	**3386.66 J**	**719.55 J**	1 U	**0.21**	1 U	1 U	1 U	1 U	1 U	1 U
Total VOC (U = 0)	**10633.8 J**	**3388.65 J**	**722.65 J**	20 UJ	**0.21**	20 U	20 U	20 U	20 U	20 U	20 U
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	**17**	**2.72 J**	**3.9**	0.0687 U	0.0935 U	0.0716 U	0.0686 U	0.0807 U	0.0701 U	0.0822 U	**0.138**
2-Methylnaphthalene	**0.542**	2.98 U	2.83 U	0.0687 U	0.0935 U	0.0716 U	0.0686 U	0.0807 U	0.0701 U	0.0822 U	0.0799 U

Table 3
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	OW-8-15	OW-8-15
sys_sample_code	GS-120820-02	GS-030421-09	GS-060821-10	GS-121521-15	GS-032222-40	GS-061622-10	GS-041223-66	GS-061523-10	GS-121423-14	GS-031924-27	GS-061224-15
Sample Date	12/8/2020	3/4/2021	6/8/2021	12/15/2021	3/22/2022	6/16/2022	4/12/2023	6/15/2023	12/14/2023	3/19/2024	6/12/2024
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	10.1–15.1 ft	10.1–15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	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	7623600.35	7623600.35
Y	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
Acenaphthene	**21.3**	**9.25**	**11.1**	**0.409**	0.0877 U	0.0358 U	0.0343 U	0.0403 U	0.0351 U	0.077 U	**1.18**
Acenaphthylene	1.88 U	1.49 U	1.41 U	**0.183**	**0.252**	**0.209**	**0.109**	**0.058**	**0.0605**	**0.0981**	0.225 U
Anthracene	**1.36**	**0.801 J**	**0.989 J**	**0.212**	**0.359**	**0.173**	**0.158**	**0.139**	**0.121**	**0.164**	**0.153**
Benzo(a)anthracene	**0.0469 J**	0.745 U	0.707 U	0.0268 U	0.0234 U	**0.0179 J**	0.0172 U	0.0202 U	0.0175 U	**0.0144 J**	**0.012 J**
Benzo(a)pyrene	0.0751 U	0.745 U	0.707 U	0.0172 U	0.0234 U	**0.102**	0.0172 U	0.0202 U	0.0175 U	**0.0113 J**	0.02 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.0751 U	0.745 U	0.707 U	0.0172 U	0.0234 U	**0.0998 J**	0.0172 U	0.0202 U	0.0175 U	0.0205 U	**0.0135 J**
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.15 U	1.49 U	1.41 U	0.0343 U	0.0468 U	**0.372**	0.0343 U	0.0403 U	0.0351 U	0.0411 U	**0.0295 J**
Benzo(k)fluoranthene	0.0751 U	0.745 U	0.707 U	0.0172 U	0.0234 U	**0.0291 J**	0.0172 U	0.0202 U	0.0175 U	0.0205 U	0.02 U
Carbazole	**5.77 J**	1.49 U	**1.78**	**0.158**	**0.0485**	0.0358 U	0.0343 U	0.0403 U	--	--	--
Chrysene	0.0751 U	0.745 U	0.707 U	0.0172 U	0.0234 U	**0.0345 J**	0.0172 U	0.0202 U	0.0175 U	0.0205 U	0.02 U
Dibenzo(a,h)anthracene	0.0751 U	0.745 U	0.707 U	0.0172 U	0.0234 U	**0.0224**	0.0172 U	0.0202 U	0.0175 U	0.0205 U	0.02 U
Dibenzofuran	0.188 U	1.49 U	1.41 U	0.0343 U	0.0468 U	0.0358 U	0.0343 U	0.0403 U	0.0351 U	0.0411 U	0.112 U
Fluoranthene	**0.435**	1.49 U	1.41 U	0.0343 U	**0.0538**	**0.0242 J**	0.0343 U	0.0403 U	0.0351 U	**0.0626**	0.04 U
Fluorene	**3.66**	**2.92**	**2.44**	0.0644 U	0.0731 U	0.0358 U	0.0343 U	0.0403 U	0.0351 U	0.0642 U	**0.849**
Indeno(1,2,3-c,d)pyrene	0.0751 U	0.745 U	0.707 U	0.0172 U	0.0234 U	**0.218**	0.0172 U	**0.0111 J**	0.0175 U	0.0205 U	**0.0145 J**
Naphthalene	**122**	**5.66**	**38.8**	**0.0824**	0.0935 U	**0.0372 J**	**0.0386 J**	0.0807 U	0.0701 U	**0.0626 J**	0.162 U
Phenanthrene	**0.208 J**	2.98 U	2.83 U	0.0687 U	0.0935 U	0.0716 U	0.0686 U	0.0807 U	0.0701 U	**0.0827**	0.0799 U
Pyrene	**0.469**	1.49 U	1.41 U	0.0343 U	**0.0438 J**	**0.0363**	0.0343 U	0.0403 U	0.0351 U	**0.0729**	**0.034 J**
Total PAH (17) (U = 0)	**150.0209 J**	**18.631 J**	**53.329 J**	**0.8864**	**0.7086 J**	**1.3754 J**	**0.3056 J**	**0.2081 J**	**0.1815**	**0.5686 J**	**2.2855 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	**0.164 J**	**0.703 J**	**0.308 J**
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	0.1 U	0.1 U	0.1 U
Oil-range organics	--	--	--	--	--	--	--	--	0.392 U	0.385 U	**0.441**

Table 3
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	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-031114-13	GS-102314-88	GS-031915-75	GS-032216-77	GS-031220-38	GS-060920-01	GS-092420-09	GS-120920-07	GS-031521-41	GS-060821-07	GS-121521-13
Sample Date	3/11/2014	10/23/2014	3/19/2015	3/22/2016	3/12/2020	6/9/2020	9/24/2020	12/9/2020	3/15/2021	6/8/2021	12/15/2021
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	20–25 ft	20–25 ft	20–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	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	7623388.523	7623388.523	7623388.523
Y	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
Conventional Parameters (mg/L)											
Cyanide	**0.843**	**0.756**	**0.544**	**0.73 J**	**0.124**	**0.332**	**0.12**	**0.14**	**0.393**	**0.235**	**0.554**
Cyanide, amenable	--	--	--	--	--	--	--	--	--	--	--
Cyanide, available	**0.0281**	**0.0265**	**0.00704**	**0.011**	**0.00142 J**	**0.0017 J**	**0.0016 J**	0.002 UJ	**0.00654**	**0.00602**	**0.0052 J**
Cyanide, free	0.005 U	**0.008**	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
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)											
Aluminum	**543**	**101**	**1310**	**79.1**	50 U	**86.9**	**63.6**	50 U	50 U	50 U	50 U
Antimony	**1.08 J**	1 U	1 U	**0.744 J**	1 U	**0.692 J**	1 U	1 U	**0.615 J**	1 U	1 U
Arsenic	**0.711 J**	**0.789 J**	**1.31**	1 U	**1.01**	**1.2**	**3.86**	**8.6**	**0.983 J**	**1.83**	**0.927 J**
Barium	**20.8**	**33.8**	**24.1**	**37.7**	**33.3**	**40.6**	**23.5**	**42.2**	**30**	**29.8**	**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	0.2 U	0.2 U	0.2 U
Cadmium	**0.0444 J**	**0.1 J**	0.2 U	**0.222**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--	--	--
Chromium	**0.956 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--	--	--
Copper	**2.93**	**11.6**	**0.967 J**	**1.44**	2 U	2 U	2 U	2 U	2 U	2 U	**1.04 J**
Iron	**847**	**402**	**528**	**651**	**60.3**	**1080**	**9490**	**27000**	**165**	**2060**	**227**
Lead	**3.67**	**0.511**	**0.411**	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	**30.7**	**33.8**	**8.52**	**83.5**	**25.7**	**237**	**2090**	**3300**	**384**	**1800**	**37.2**
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	0.08 U	0.08 U
Nickel	**314**	**264**	**150**	**608**	**239**	**296**	**54.4**	**56.6**	**276**	**165**	**93.9**
Potassium	--	--	--	--	**2080**	--	--	--	--	--	--
Selenium	**0.822 J**	1 U	1 U	**0.722 J**	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	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	0.2 U	0.2 U
Vanadium	**935**	**269**	**166**	**1060**	**216**	**334**	**155**	**43.7**	**781**	**282**	**103**
Zinc	**11.2**	**48.3**	**4.89**	**54.9**	**10.7**	**14.2**	**11.1**	**7.85**	**19.1**	**9.77**	**8.68**
Volatile Organics (µg/L)											
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.8 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	4 U	0.8 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	1 U	5 U	1 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	5 U	1 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	4 U	0.8 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	0.5 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	10 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	20 U	4 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	20 U	4 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	**6.56 J**	**1.08 J**	**0.738 J**	**5.73**	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 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	4 U	0.8 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	0.5 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	0.5 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	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 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	10 U	2 U	1 U	**1.8**	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 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	10 U	4 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U

Table 3
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	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-031114-13	GS-102314-88	GS-031915-75	GS-032216-77	GS-031220-38	GS-060920-01	GS-092420-09	GS-120920-07	GS-031521-41	GS-060821-07	GS-121521-13
Sample Date	3/11/2014	10/23/2014	3/19/2015	3/22/2016	3/12/2020	6/9/2020	9/24/2020	12/9/2020	3/15/2021	6/8/2021	12/15/2021
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	20–25 ft	20–25 ft	20–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	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	7623388.523	7623388.523	7623388.523
Y	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 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	10 U	2 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	200 U	40 U	20 U	20 U	20 U	20 U	20 U
Acrylonitrile	--	--	--	--	20 U	4 U	2 U	2 U	2 U	2 U	2 U
Benzene	0.25 U	0.25 U	0.25 U	0.2 U	**33**	**27.5**	**14.2**	**22.1**	0.2 U	0.2 U	0.2 U
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 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	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	50 U	10 U	5 U	5 U	5 U	5 UJ	5 UJ
Carbon disulfide	--	--	--	--	100 U	20 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	0.5 U	0.5 U	0.5 U	1 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 UJ	5 U	5 U	50 UJ	10 U	5 U	5 U	5 U	5 U	5 U
Chloroform	**1.76**	**4.1**	1 U	**0.686 J**	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 UJ	5 U	50 U	10 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	5 U	5 U	5 U	3 U	100 U	20 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	5 U	**2.14**	0.5 U	**2.99**	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	5 U	1 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	50 U	10 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	**7.24 J**	**2.02**	**2.13**	**9.82**	1 U	1 U	1 U
m,p-Xylene	1 U	**0.61 J**	1 U	1 U	10 U	2 U	**0.536 J**	**5.22**	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	100 U	20 U	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	1 U	1 U	10 U	2 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	5 U	1 U	**0.443 J**	**2.79**	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	**0.27 J**	0.5 U	0.5 U	**2.7 J**	**0.74 J**	**2.05**	**12.8**	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	1 U	1 U	1 U	1 U	10 U	2 U	1 U	**1.06**	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	10 U	2 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	10 U	2 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	4 U	0.8 U	0.4 U	1 U	0.4 U	0.4 U	0.4 U
Toluene	1 U	**1.07**	1 U	1 U	10 U	2 U	1 U	**1.28**	1 U	1 U	1 U
Trichloroethene (TCE)	0.5 U	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	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	20 U	4 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	0.5 U	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	0.4 U
Total BTEX (U = 0)	1 U	**1.95 J**	1 U	1 U	**35.7 J**	**30.38 J**	**16.786 J**	**44.39**	1 U	1 U	1 U
Total VOC (U = 0)	**1.76**	**6.05 J**	20 UJ	**0.686 J**	**49.5 J**	**33.48 J**	**20.097 J**	**65.59**	20 U	20 UJ	20 UJ
Semivolatile Organics (µg/L)											
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	0.19 U	**0.104**	0.0715 U	0.0772 U	**104**	**7.81**	**4.88**	**119**	**0.149**	**0.0725 J**	0.0661 U
2-Methylnaphthalene	0.19 U	**0.131**	0.0715 U	0.0772 U	**66.7**	**0.927**	0.74 U	**26.1**	0.0689 U	0.0712 U	0.0661 U

Table 3
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	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-031114-13	GS-102314-88	GS-031915-75	GS-032216-77	GS-031220-38	GS-060920-01	GS-092420-09	GS-120920-07	GS-031521-41	GS-060821-07	GS-121521-13
Sample Date	3/11/2014	10/23/2014	3/19/2015	3/22/2016	3/12/2020	6/9/2020	9/24/2020	12/9/2020	3/15/2021	6/8/2021	12/15/2021
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	20–25 ft	20–25 ft	20–25 ft
Sample Type	N	N	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	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	7623388.523	7623388.523	7623388.523
Y	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
Acenaphthene	0.0952 U	**0.0727**	0.0357 U	0.0386 U	**10.6**	**1.55**	**19.2**	**68.8**	**0.068**	**0.0987 J**	**0.0847**
Acenaphthylene	**0.491**	**0.505**	**0.353**	**0.34**	6.55 U	**0.417**	**1.96**	**2.7**	**0.242**	**0.206 J**	**0.149**
Anthracene	**0.344**	**0.336**	**0.153**	**0.219**	6.55 U	**0.256**	**0.407**	**0.889**	**0.19**	**0.166 J**	**0.142**
Benzo(a)anthracene	**0.453**	**0.0413**	**0.0465**	**0.0203 J**	3.28 U	**0.0199**	0.185 U	0.363 U	0.0172 U	**0.0156 J**	0.0165 U
Benzo(a)pyrene	**1.12**	**0.0606**	**0.0934**	0.0193 U	3.28 U	**0.0216**	0.185 U	0.363 U	0.0172 U	**0.0191 J**	0.0165 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	--	**0.0615**	**0.0791**	0.0193 U	3.28 U	**0.0127 J**	0.185 U	0.363 U	0.0172 U	**0.0111 J**	0.0165 U
Benzo(b,j,k)fluoranthenes	**1.46**	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**2.2**	**0.0817**	**0.139**	0.0386 U	6.55 U	**0.0233 J**	0.37 U	0.726 U	0.0345 U	**0.02 J**	0.0331 U
Benzo(k)fluoranthene	--	**0.0296**	**0.0322**	0.0193 U	3.28 U	0.017 U	0.185 U	0.363 U	0.0172 U	**0.0116 J**	0.0165 U
Carbazole	0.0952 U	**0.0381**	0.0357 U	0.0386 U	6.55 U	**6.69**	0.37 U	**21.8**	**0.438**	**0.444 J**	**0.0446**
Chrysene	**0.693**	**0.0368**	**0.0451**	0.0193 U	3.28 U	**0.0123 J**	0.185 U	0.363 U	0.0172 U	**0.00934 J**	0.0165 U
Dibenzo(a,h)anthracene	**0.175**	**0.0162 J**	0.0179 U	0.0193 U	3.28 U	0.017 U	0.185 U	0.363 U	0.0172 U	0.0178 U	0.0165 U
Dibenzofuran	0.0952 U	**0.0256 J**	0.0357 U	0.0386 U	6.55 U	**0.0806**	**0.874**	**1.82**	0.0345 U	**0.0298 J**	0.0331 U
Fluoranthene	**0.835**	**0.0862**	**0.0724**	0.0386 U	6.55 U	**0.0373**	0.37 U	**0.535 J**	0.0345 U	**0.028 J**	0.0331 U
Fluorene	**0.079 J**	0.897 U	**0.0478**	0.154 U	6.55 U	0.212 U	0.578 U	**3.26**	0.0646 U	0.089 U	**0.0227 J**
Indeno(1,2,3-c,d)pyrene	**1.7**	**0.0628**	**0.105**	**0.0106 J**	3.28 U	0.017 U	0.185 U	0.363 U	0.0172 U	**0.0129 J**	0.0165 U
Naphthalene	0.19 U	**0.567**	**0.188**	**0.0468 J**	**915**	**173**	0.74 U	**209**	**0.146**	**0.138 J**	**0.0769**
Phenanthrene	**0.336**	**0.0776**	**0.0465 J**	0.0772 U	13.1 U	**0.102**	0.74 U	**1.96**	**0.0349 J**	0.0712 U	0.0661 U
Pyrene	**1.25**	**0.0772**	**0.109**	0.0386 U	6.55 U	**0.0449**	**0.227 J**	**0.935**	**0.0241 J**	**0.0418 J**	0.0331 U
Total PAH (17) (U = 0)	**11.136 J**	**2.2432 J**	**1.51 J**	**0.6367 J**	**992.3**	**176.424 J**	**21.794 J**	**314.179 J**	**0.705 J**	**0.77814 J**	**0.4753 J**
Extractable Petroleum Hydrocarbons (mg/L)											
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)											
n-Decane (C10)	--	--	--	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)											
Diesel-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Gasoline-range hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Oil-range organics	--	--	--	--	--	--	--	--	--	--	--

Table 3
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-031022-15	GS-061622-11	GS-121522-10	GS-041123-63	GS-061423-05	GS-121323-10	GS-032024-30	GS-061124-10
Sample Date	3/10/2022	6/16/2022	12/15/2022	4/11/2023	6/14/2023	12/13/2023	3/20/2024	6/11/2024
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	**0.301**	**0.449**	**0.392**	**0.257**	**0.587**	**0.309**	**0.18**	**0.391**
Cyanide, amenable	--	--	--	--	--	--	--	--
Cyanide, available	**0.0046**	**0.00856**	0.002 U	**0.00154 J**	**0.00757**	**0.00145 J**	0.002 U	**0.00354**
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
Cyanide, Weak acid dissociable (WAD)	--	--	--	--	--	--	--	--
Metals (µg/L)								
Aluminum	50 U	**45.3 J**	**205**	**34.9 J**	50 U	50 U	50 U	50 U
Antimony	1 U	**1.7**	1 U	1 U	1 U	**0.906 J**	1 U	1 U
Arsenic	**0.835 J**	**0.559 J**	1 U	**0.803 J**	**0.903 J**	**0.557 J**	**0.837 J**	**0.715 J**
Barium	**25.7**	**24.9**	**30.7**	**23**	**26**	**38.4**	**21.9**	**26.4**
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	0.2 U	**0.102 J**	0.2 U	0.2 U	**0.149 J**	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	**2.18**	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--
Copper	2 U	**1.54 J**	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**127**	**227**	**377**	**122**	**246**	**136**	**81.5**	**183**
Lead	0.2 U	**0.331**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--
Manganese	**7.51**	**6.42**	**920**	**10.9**	**2.84**	**17.8**	**1.78**	**3.53**
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	**101**	**1160**	**92.4**	**129**	**90.2**	**762**	**193**	**117**
Potassium	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	**1.1**	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	**243**	**3630**	**165**	**60.4**	**122**	**1040**	**164**	**155**
Zinc	**9.95**	**38.1**	**18.6**	**8.32**	**9.63**	**38.1**	**14.4**	**11.5**
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	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
1,2,3-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
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
1,2,4-Trimethylbenzene	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
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 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
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

Table 3
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-031022-15	GS-061622-11	GS-121522-10	GS-041123-63	GS-061423-05	GS-121323-10	GS-032024-30	GS-061124-10
Sample Date	3/10/2022	6/16/2022	12/15/2022	4/11/2023	6/14/2023	12/13/2023	3/20/2024	6/11/2024
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
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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 UJ
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-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
Acrylonitrile	2 U	2 U	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	0.2 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 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
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 UJ
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	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
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	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
m,p-Xylene	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
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
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
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
sec-Butylbenzene	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
tert-Butylbenzene	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
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
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 chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.2 U	0.2 U	0.2 U
Total BTEX (U = 0)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total VOC (U = 0)	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ
Semivolatile Organics (µg/L)								
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--
1-Methylnaphthalene	0.0656 U	0.0719 U	0.0721 U	0.0702 U	0.0685 U	0.0657 U	0.0692 U	0.0697 U
2-Methylnaphthalene	0.0656 U	0.0719 U	0.0721 U	0.0702 U	0.0685 U	0.0657 U	0.0692 U	0.0697 U

Table 3
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-031022-15	GS-061622-11	GS-121522-10	GS-041123-63	GS-061423-05	GS-121323-10	GS-032024-30	GS-061124-10
Sample Date	3/10/2022	6/16/2022	12/15/2022	4/11/2023	6/14/2023	12/13/2023	3/20/2024	6/11/2024
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
Acenaphthene	**0.0184 J**	0.036 U	**0.0185 J**	0.0351 U	**0.0223 J**	0.0328 U	**0.0203 J**	**0.0179 J**
Acenaphthylene	**0.175**	**0.177**	**0.124**	**0.172**	**0.124**	**0.172**	**0.113**	**0.138**
Anthracene	**0.107**	**0.266**	**0.096**	**0.132**	**0.0749**	**0.195**	**0.0601**	**0.0727**
Benzo(a)anthracene	0.0164 U	**0.0144 J**	0.018 U	0.0175 U	0.0171 U	0.0164 U	0.0173 U	0.0174 U
Benzo(a)pyrene	0.0164 U	**0.0144 J**	0.018 U	0.0175 U	0.0171 U	0.0164 U	0.0173 U	0.0174 U
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--
Benzo(b,j)fluoranthene	0.0164 U	**0.0184**	0.018 U	0.0175 U	0.0171 U	0.0164 U	0.0173 U	0.0174 U
Benzo(b,j,k)fluoranthenes	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0328 U	**0.0405**	0.0361 U	0.0351 U	0.0342 U	0.0328 U	0.0346 U	0.0348 U
Benzo(k)fluoranthene	0.0164 U	0.018 U	0.018 U	0.0175 U	0.0171 U	0.0164 U	0.0173 U	0.0174 U
Carbazole	0.0328 U	0.036 U	**0.0198 J**	0.0351 U	0.0342 U	--	--	--
Chrysene	0.0164 U	0.018 U	0.018 U	0.0175 U	0.0171 U	0.0164 U	0.0173 U	0.0174 U
Dibenzo(a,h)anthracene	0.0164 U	0.018 U	0.018 U	0.0175 U	0.0171 U	0.0164 U	0.0173 U	0.0174 U
Dibenzofuran	0.0328 U	0.036 U	0.0361 U	0.0351 U	0.0342 U	0.0328 U	0.0346 U	0.0348 U
Fluoranthene	0.0328 U	**0.0328 J**	0.0361 U	0.0351 U	0.0342 U	**0.0242 J**	0.0346 U	0.0348 U
Fluorene	0.0328 U	0.573 U	0.0361 U	0.0351 U	0.0342 U	**0.0242 J**	0.0346 U	0.0348 U
Indeno(1,2,3-c,d)pyrene	0.0164 U	**0.0247**	0.018 U	0.0175 U	0.0171 U	0.0164 U	0.0173 U	0.0174 U
Naphthalene	**0.0385 J**	**0.0409 J**	**0.0406 J**	0.0465 U	**0.0419 J**	0.0657 U	0.0692 U	0.0697 U
Phenanthrene	0.0656 U	0.0719 U	0.0721 U	0.0702 U	0.0685 U	0.0657 U	0.0692 U	0.0697 U
Pyrene	0.0328 U	**0.0189 J**	0.0361 U	0.0351 U	0.0342 U	0.0328 U	0.0346 U	0.0348 U
Total PAH (17) (U = 0)	**0.3389 J**	**0.648 J**	**0.2791 J**	**0.304**	**0.2631 J**	**0.4154 J**	**0.1934 J**	**0.2286 J**
Extractable Petroleum Hydrocarbons (mg/L)								
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C12-C16 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C16-C21 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C21-C34 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--
C12-C16 Aromatics unadjusted	--	--	--	--	--	--	--	--
C16-C21 Aromatics unadjusted	--	--	--	--	--	--	--	--
C21-C34 Aromatics unadjusted	--	--	--	--	--	--	--	--
Volatile Petroleum Hydrocarbons (mg/L)								
n-Decane (C10)	--	--	--	--	--	--	--	--
n-Dodecane (C12)	--	--	--	--	--	--	--	--
n-Hexane (C6)	--	--	--	--	--	--	--	--
n-Octane (C8)	--	--	--	--	--	--	--	--
n-Pentane (C5)	--	--	--	--	--	--	--	--
C5-C6 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C6-C8 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C8-C10 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C10-C12 Aliphatics unadjusted	--	--	--	--	--	--	--	--
C10-C12 Aromatics unadjusted	--	--	--	--	--	--	--	--
C8-C10 Aromatics unadjusted	--	--	--	--	--	--	--	--
C12-C13 Aromatics unadjusted	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/L)								
Diesel-range hydrocarbons	--	--	--	--	--	0.192 U	0.192 U	0.189 U
Gasoline-range hydrocarbons	--	--	--	--	--	0.1 U	0.1 U	0.1 U
Oil-range organics	--	--	--	--	--	**0.349 J**	**0.546**	**1.09**

Table 3
Laboratory Testing Results

Notes:
Bold: Detected result
--: Not analyzed
J: Estimated value
R: Rejected
U: Compound analyzed but not detected above detection limit
UJ: Compound analyzed but not detected above estimated detection limit
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
BTEX: benzene, toluene, ethylbenzene, and xylenes
ft: foot
mg/L: milligram per liter
PAH: polycyclic aromatic hydrocarbon
VOC: volatile organic compound

Table 4
Concentration and Mass of Contaminants in NW Natural Pretreatment Plant Expansion Influent

Contaminant Concentration (µg/L)	January 2024		February 2024		March 2024		April 2024		May 2024		June 2024[2]		Total Combined (Jan–Jun)
	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	
Benzene	11,200	668	8,600	1,240	5,940	973	6,280	983	6,710	1,020	8,100	1,400	--
Benzo(a)pyrene	54.6	0	34.3	0	14.9	0	0	0	11	0	6.7	0	--
Naphthalene	1,990	648	1,910	622	1,530	504	1,400	672	1,740	702	1,730	783	--
Total Cyanide	60.7	134	59.9	151	73	162	81.4	190	78	195	7140%	182	--
Total VOCs[1]	12,081	746	9,420	1,370	6,847	1,129	7,158	1,101	7,595	1,135	8,811	1,514	--
Total SVOCs[1]	6783	810	6027.15	821.1	3,555	676	2,752	899	3,799	928	3,715	1,044	--
Copper	0	29.3	0	61	0	0	2	0	0	0	0	0	--
Iron	45,900	11,500	43100	17700	37,300	16,500	38,100	18,900	37,300	20,300	37,700	21,700	--
Pumped Volume (MG)	0.74	0.38	0.74	0.28	0.95	0.32	0.78	0.24	0.70	0.23	0.38	0.11	5.9

Contaminant Mass Removed (lbs)	January 2024		February 2024		March 2024		April 2024		May 2024		June 2024		Total Combined (Jan–Jun)
	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	
Benzene	69.6	2.1	52.9	2.9	47.2	2.6	41.1	2.0	39.1	2.0	25.8	1.3	289
Benzo(a)pyrene	0.34	0.0	0.21	0.0	0.12	0.00	0.00	0.00	0.06	0.00	0.02	0.00	0.8
Naphthalene	12	2.1	11.8	1.5	12.2	1.4	9.2	1.3	10.1	1.4	5.5	0.7	69
Total Cyanide	0.38	0.43	0.37	0.36	0.58	0.44	0.53	0.38	0.45	0.38	0.23	0.17	4.7
Total VOCs[1]	75.0	2.4	58.0	3.2	54.4	3.0	46.8	2.2	44.2	2.2	28.1	1.4	321
Total SVOCs[1]	42.1	2.6	37.1	1.9	28.2	1.8	18.0	1.8	22.1	1.8	11.8	1.0	170
Copper	0.00	0.09	0.00	0.14	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.2
Iron	285.0	36.9	265.3	41.8	296.4	44.4	249.1	37.7	217.2	39.4	120.2	20.6	1654

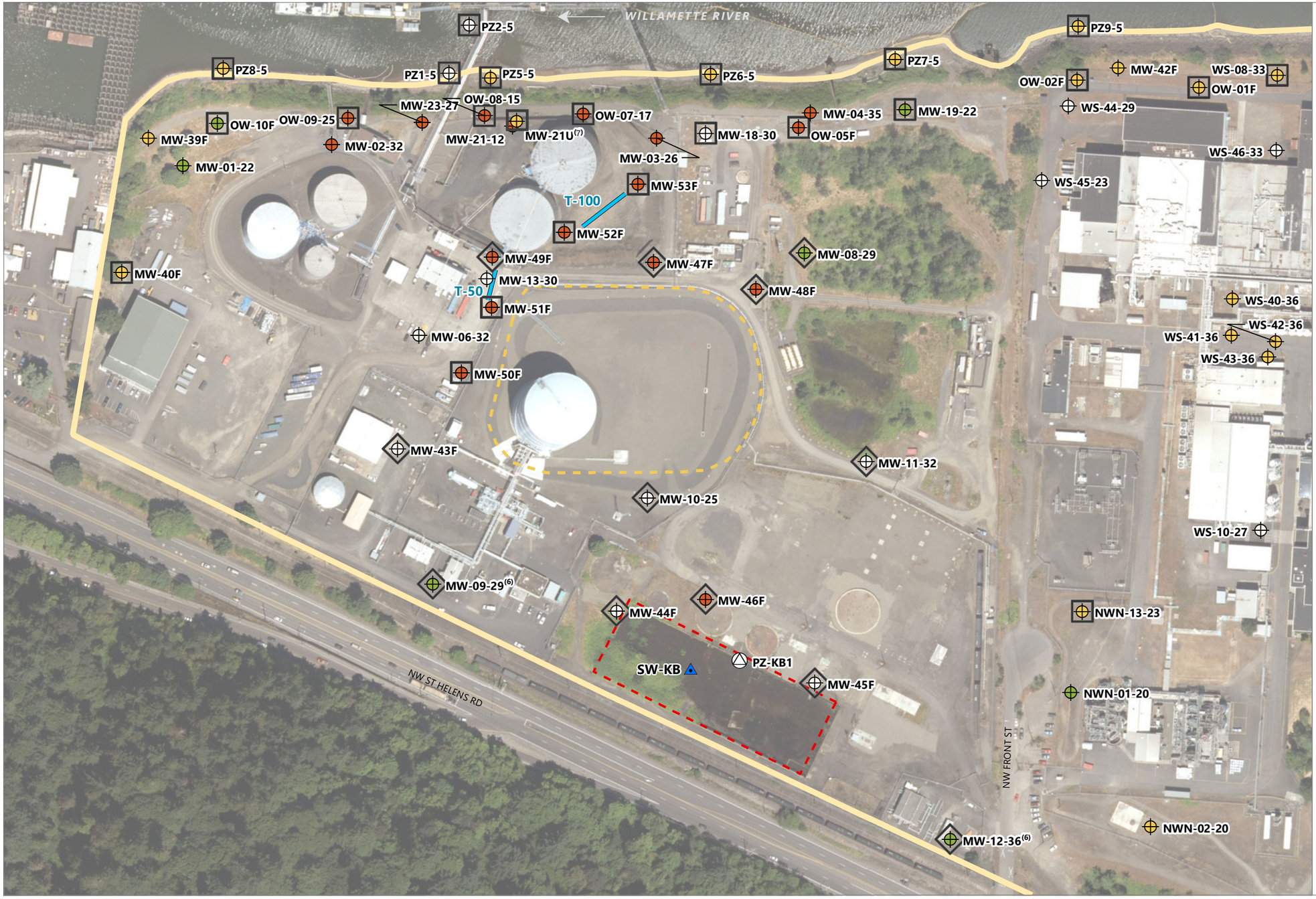
Notes:

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. Pump data not logged and could not be recovered May 31 to June 3, 2024, and June 11 to 19, 2024.

--: not calculated
µg/L: microgram per liter
lb: pound
MDL: method detection limit
MG: million gallons
MRL: method reporting limit
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:

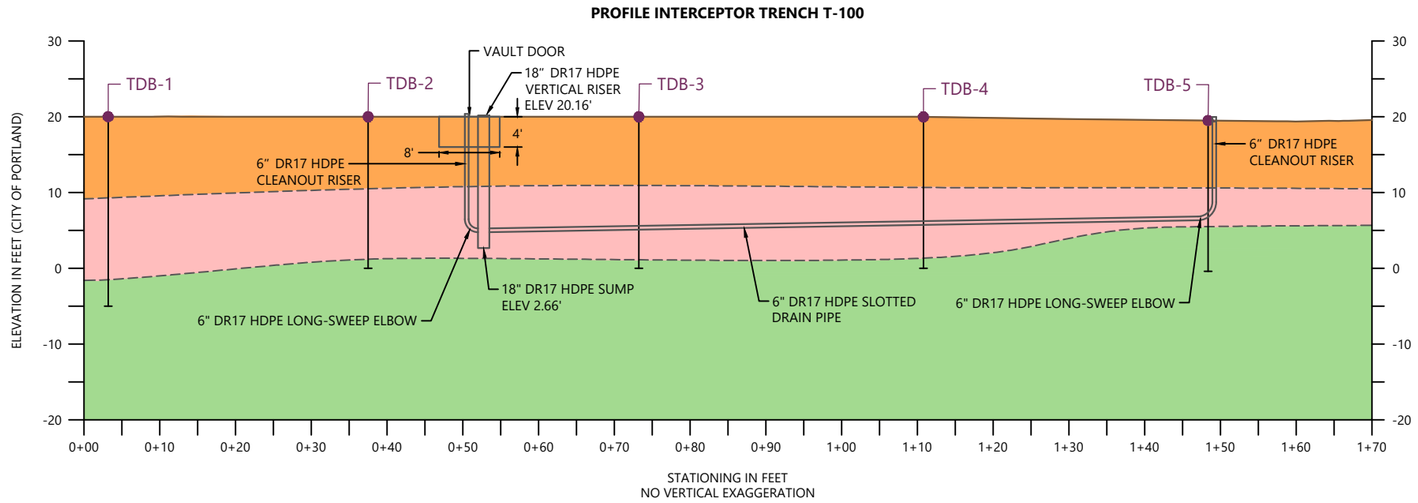
1. Arrow indicates direction of flow of river.
2. Horizontal datum is NAD83 Oregon State Plane North, International Feet.
3. Aerial imagery from City of Portland, summer 2020.
4. Monitoring wells MW-46F, MW-47F, MW-48F, and MW-49F were installed with transducers in April and May 2018 as part of the DEQ-approved 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.
7. Upper Alluvium monitoring well MW-21U added to semiannual monitoring program at DEQ's request to monitor the potential migration of contamination from the Fill WBZ to the Upper Alluvium WBZ along the shoreline.

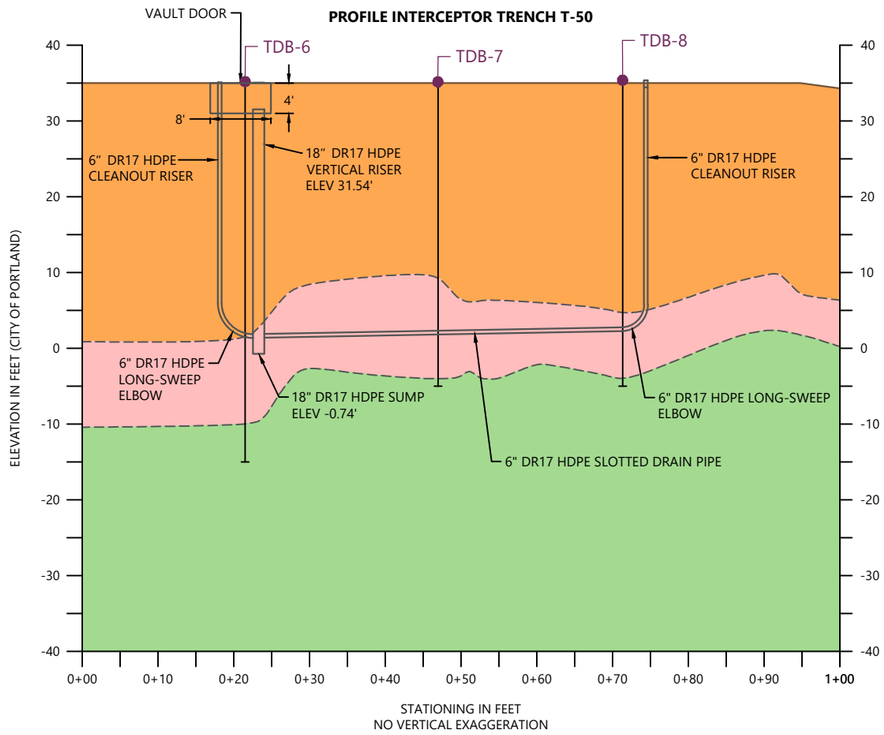
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Figure 1
Site Plan
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site





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

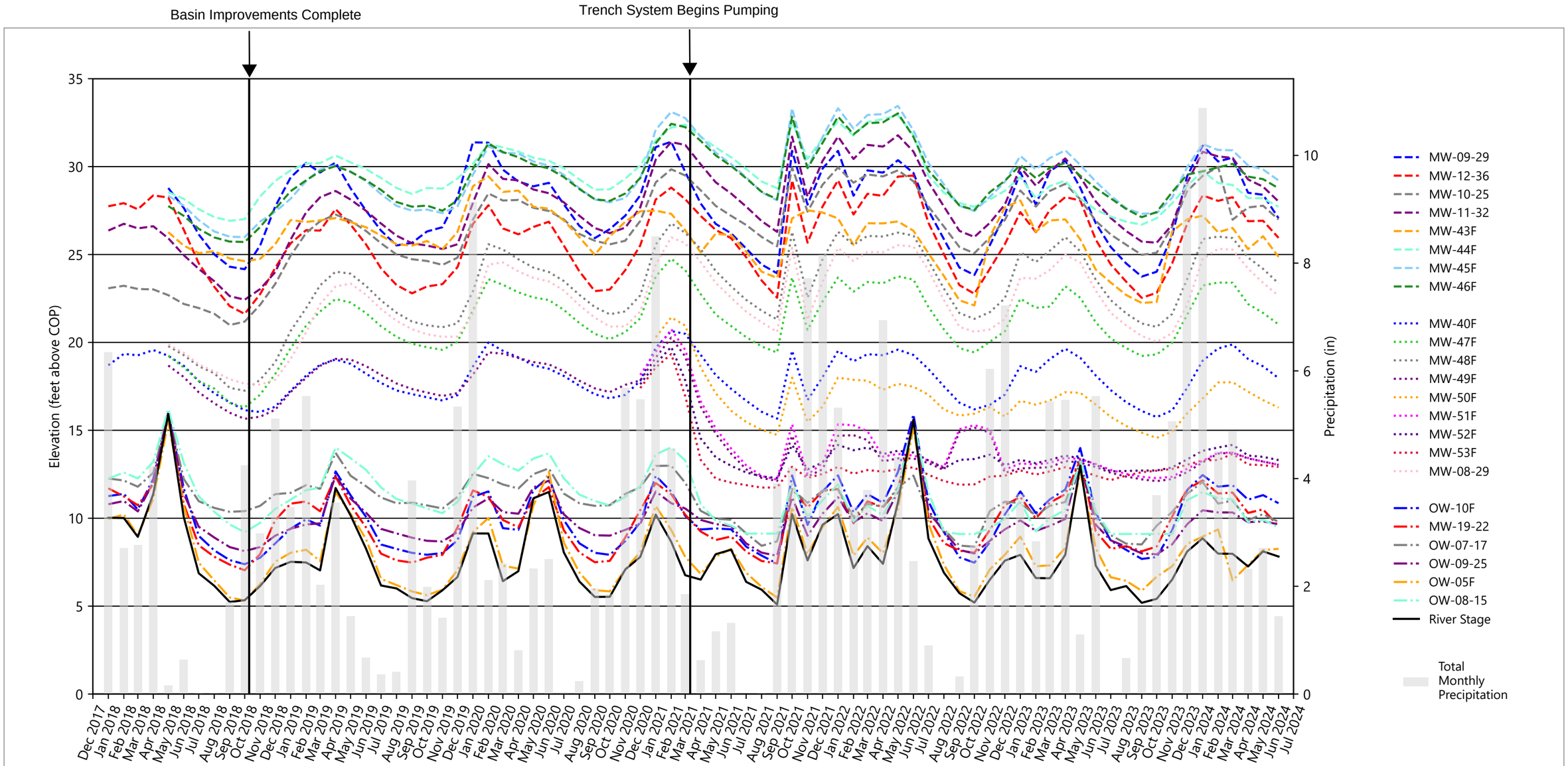
Upper Alluvium WBZ – Primarily Fine- to Medium-Grained Sand and Silty-Sand Interbedded with Thin Silt and Sandy-Silt Layers

HORIZONTAL DATUM: Oregon State Plane North NAD83/91HARN, International Feet
VERTICAL DATUM: City of Portland (COP)
NOTES:
HDPE: High density polyethylene
PVC: Polyvinyl chloride

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Figure 2
Trench Construction Details

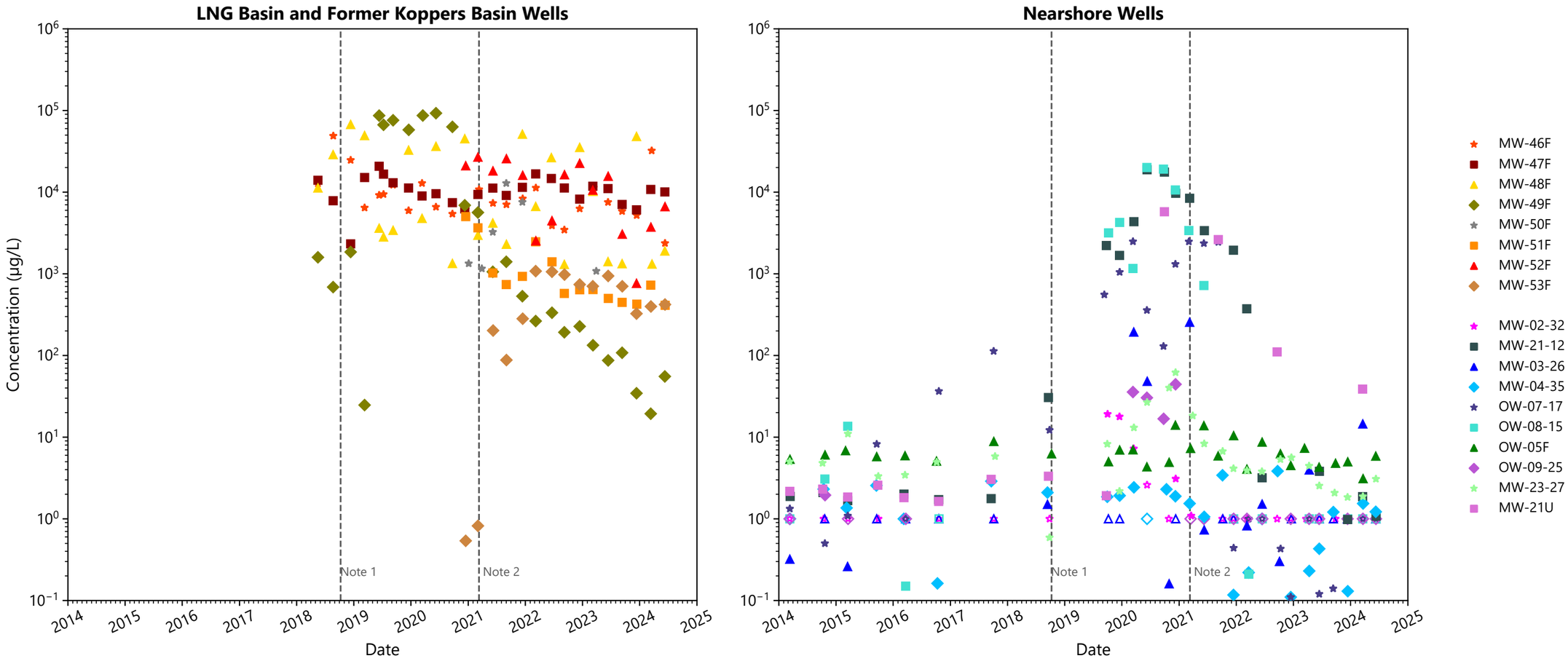


Notes:
1. Precipitation data taken from Gasco Anchor QEA field site.
2. Transducer data collection began mid-May 2018 for wells MW-08-29, MW-09-29, and MW-43F to MW-49F; December 2020 for MW-51F, MW-52F, and MW-53F; and January 2021 for MW-50F.
3. All of the wells in the monitoring network for this program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

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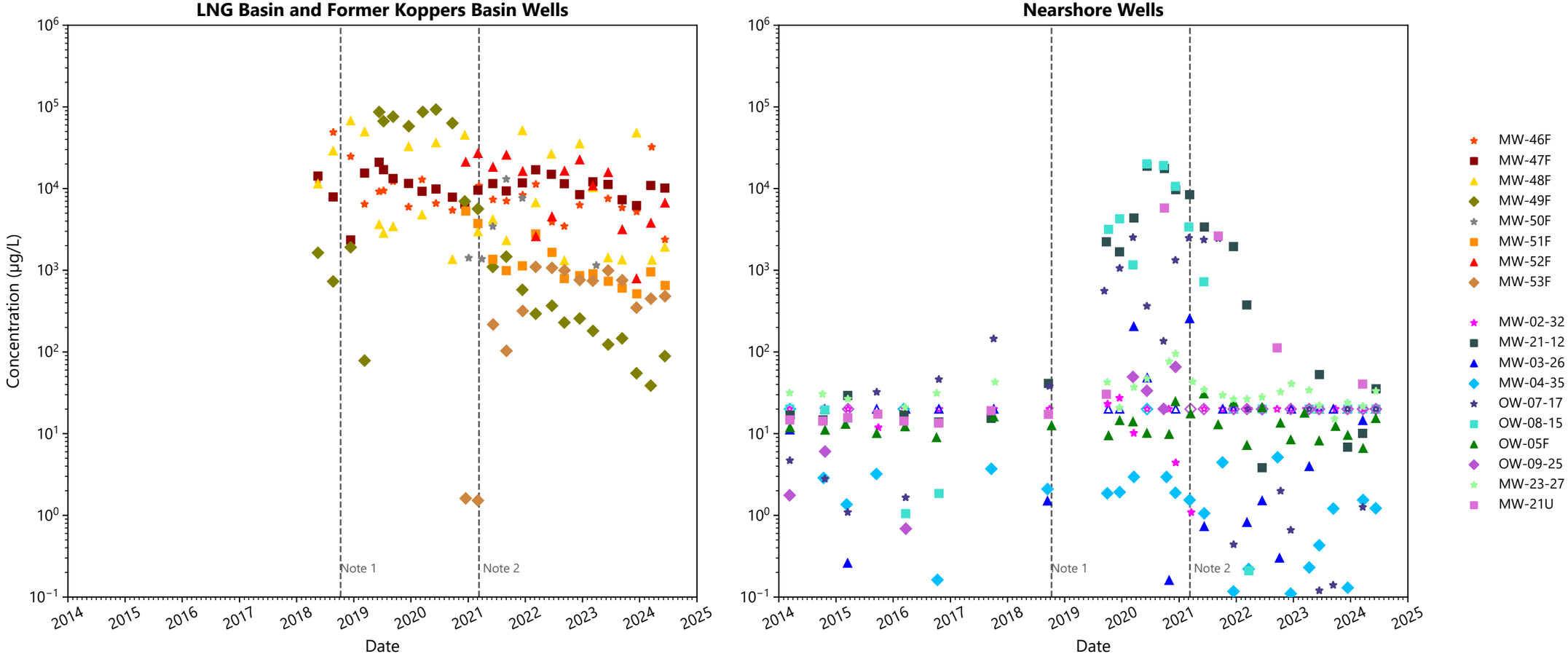
Figure 3
Summary of Monthly Groundwater Elevations, River Stage, and Precipitation
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site



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.

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Figure 4
Time versus Total BTEX (U = 0) Concentration
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site

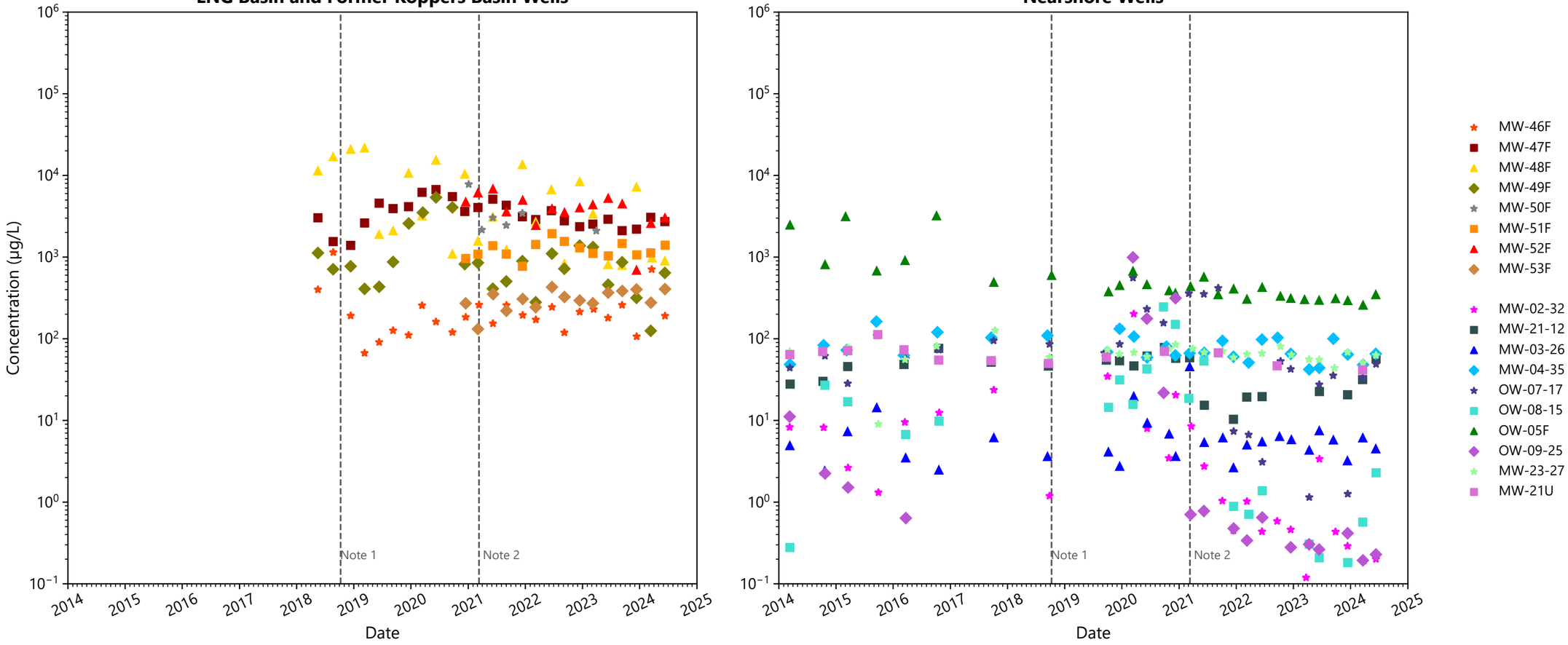


Notes:
1. Vertical line indicates date LNG Basin pumping was discontinued.
2. Vertical line indicates date trench system pumping began.
3. Open circles denote non-detects.
4. New wells MW-50F, MW-51F, MW-52F, and MW-53F were installed in December 2020 and January 2021.
5. Totals are calculated as the 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.

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Figure 5
Time versus Total VOC (U = 0) Concentration
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
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.

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Figure 6
Time versus Total PAH (17) (U = 0) Concentration
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site

Attachment A
Responses to DEQ Comments on 2023 Monitoring Reports

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2023
DEQ Comment and Response Matrix

ID No.	Section Name/Topic	Section/Table/ Figure No.	DEQ Comment	NW Natural Response
General Comments				
1.	--	--	During a meeting on February 15, 2024, NW Natural's technical team agreed to add sampling of MW-21U to the scope of the groundwater monitoring program. The purpose of groundwater sampling at MW-21U is to monitor the potential migration of contamination from the Fill water-bearing zone (WBZ) to the Upper Alluvium WBZ along the shoreline where the upper silt unit may be absent or discontinuous. Future Reports should present and discuss sample results at MW-21U.	Sampling of MW-21U was added to the semiannual sampling schedule beginning in March 2024.
2.	--	--	Concentrations of polycyclic aromatic hydrocarbons at MW-02-32, MW-03-26, and OW-07-17 increased compared to recent previous monitoring events. DEQ requests that NW Natural identify noticeable changes in contaminant concentrations in individual wells and discuss potential causes where increasing concentration trends appear over multiple monitoring periods in future Reports. Some wells may be outside of the trench capture zones.	PAHs observed at MW-2-32 were within the range observed after the Fill WBZ trench was installed (2021). PAH concentrations observed at MW-3-26 were down in the first quarter and up in the second quarter. PAH concentrations observed at OW-17-17 dropped an order of magnitude in the first quarter and rose an order of magnitude in the second quarter but were still lower than 2022 concentrations. None of these indicate an upward trend. However, as requested, we will identify and discuss notable concentration changes at individual wells that appear over multiple monitoring periods.
Specific Comments				
1a.	T-50 DNAPL Observations and Recovery	Section 3.1	DEQ has the following comments: a. Briefly describe the methods used to estimate dense non-aqueous phase liquid (DNAPL) recovery volumes from the T-50 trench.	DNAPL is pumped into a bucket or drum and allowed to settle before measuring with a dipstick or interface probe, and the volume is calculated based on the DNAPL layer thickness and the diameter of the bucket or drum.
1b.	T-50 DNAPL Observations and Recovery	Section 3.1	b. Consistent with NW Natural's response[1] to DEQ General Comment 3b[2] on the *LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second through Fourth Quarter 2022*,[3] please provide a table summarizing DNAPL removal quantities from the T-50 trench, including a cumulative total.	A table has been prepared and is included in the third and fourth quarter 2023 and first and second quarter 2024 reports.
1c.	T-50 DNAPL Observations and Recovery	Section 3.1	c. Identify Fill WBZ monitoring wells within or near the trench capture zone where DNAPL entry has been observed after trench startup (e.g., MW-50F), when DNAPL was first observed, and measured DNAPL thicknesses over time.	MW-50F is the only well within or near the trench capture zone where DNAPL entry was observed after trench startup. DNAPL was observed as black oil blebs in soil at the depth where the well screen was later installed (December 31, 2020). DNAPL was first observed in MW-50F on March 8, 2022, but a benzene concentration of 12,100 ppb on September 1, 2021, suggests that DNAPL was close if not present.
2	Contaminant Mass Removed	Section 5.3	The last sentence of this section states that 5 pounds of total cyanide were removed during the first and second quarter 2023. However, Table 3 lists 1 pound of total cyanide removed. Please clarify the mass of total cyanide removed.	This has been corrected in the report for third and fourth quarter 2023.

Notes:
--: not applicable
DNAPL: dense nonaqueous phase liquid
PAH: polycyclic aromatic hydrocarbon
ppb: part per billion
WBZ: water-bearing zone

[1] Anchor QEA, LLC. 2023. Email to Wesley Thomas (DEQ), Subject: RE: NW Natural: LNG Basin and Former Koppers Basin Groundwater Elevation/Fill WBZ Interceptor Trench Performance – Second through Fourth Quarter 2022 Memorandum. November 7.
[2] DEQ. 2023. Letter to Bob Wyatt (NW Natural), Re: DEQ Comments on the LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022, Former Gasco Manufactured Gas Plant Operable Unit (Gasco OU), Portland, Oregon, ECSI# 84. July 27.
[3] Anchor QEA, LLC. 2023. LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second through Fourth Quarter 2022, Former Gasco Manufactured Gas Plant Operable Unit. Prepared on behalf of NW Natural. June 21.

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Third and Fourth Quarter 2023
DEQ Comment and Response Matrix

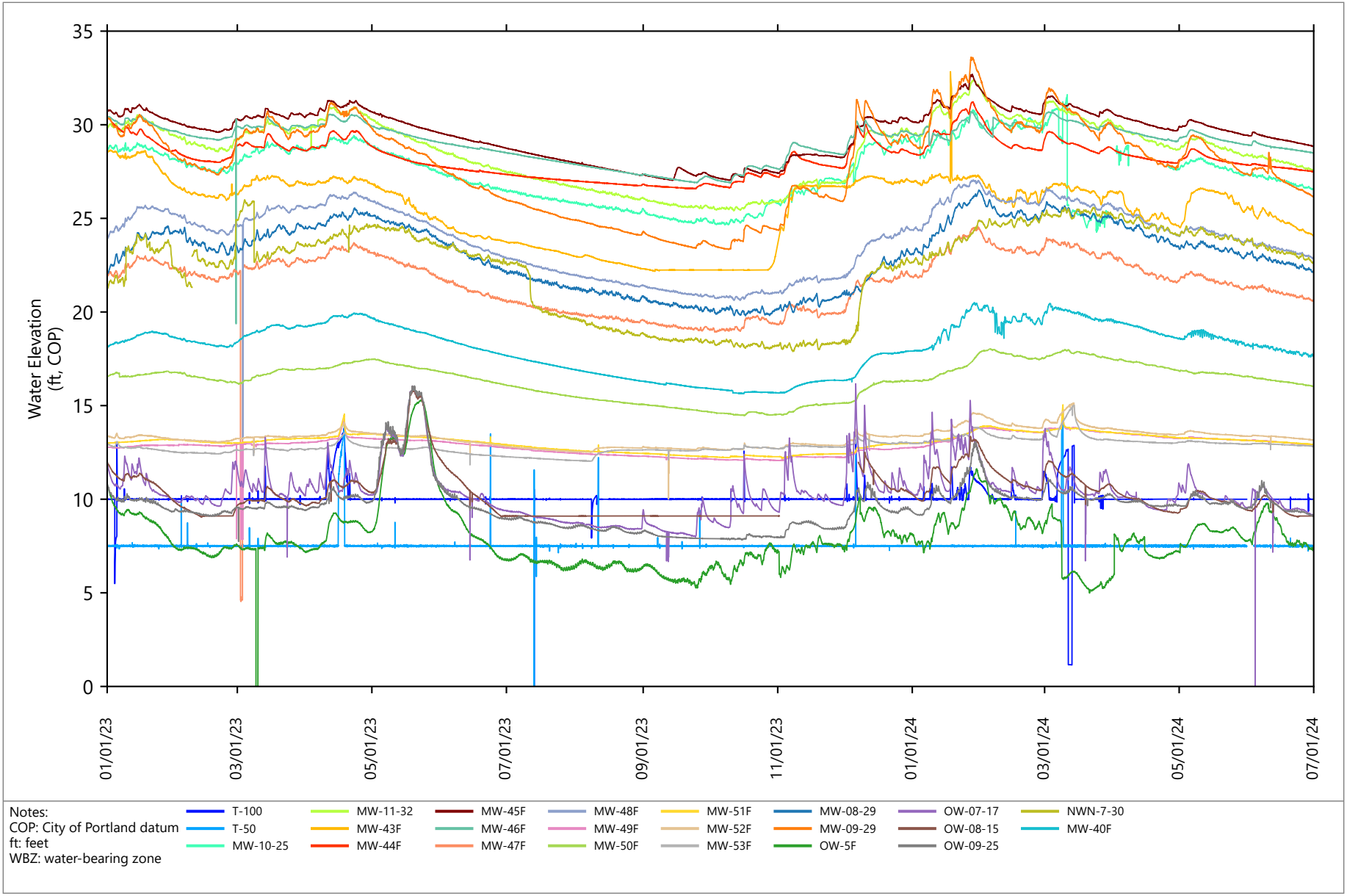
ID No.	Section Name/Topic	Section/Table/ Figure No.	DEQ Comment	NW Natural Response
General Comments				
1.	--	--	Please describe the methodology for estimating the capture zone boundaries shown in the potentiometric contour maps in Attachment D. The estimated capture zone boundaries appear to be based on equipotential lines (i.e., capture zone boundary drawn perpendicular to potentiometric contours). This approach may overestimate the overall capture zone. DEQ notes that the estimated capture zones depicted in Attachment D figures extend further to the north and east (i.e., towards US Moorings and the river) than estimated during design simulations. The capture zone should delineate the portion of the Fill WBZ where groundwater is physically being captured by the pumping system and should be identified based on groundwater velocities. The downgradient extent of capture is where the natural groundwater seepage velocity equals the opposing velocity caused by the pumping system (i.e., the stagnation points or zone), and depends on the pumping rate, natural groundwater velocity, and the Fill WBZ saturated thickness. Once DEQ reviews and approves the revised groundwater model, future deliverables should use the updated model to simulate capture zones as an additional line of evidence.	The estimated capture zone boundaries are hand-drawn based on equipotential lines. The downgradient extent of the capture zone is identified first. Specifically, the stagnation point between the trenches and the river is estimated at the midpoint between two contours of equal magnitude, where the contour values decline in both perpendicular directions (toward the trenches and toward the river). From the stagnation point, the capture zone boundary is drawn perpendicular to potentiometric contours in the general upgradient direction. We consider these to be standard procedures and do not agree that this method overestimates the overall capture zone. After DEQ reviews and approves the revised groundwater model, future deliverables can use the updated model to simulate capture zones as an additional line of evidence.
2.	--	--	Monitoring well MW-48F appears to be close to the estimated capture zone boundaries presented in Appendix D. Groundwater flow paths (perpendicular to the equipotential lines) suggest that groundwater near MW-48F is not consistently captured. Given the relatively higher benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations at MW-48F, DEQ recommends adding MW-18-30 (located downgradient of MW-48F) to the sampling program to further evaluate capture of groundwater in this area.	We understand that DEQ meant monitoring well MW-08-29 and not MW-18-30. This was later confirmed by email. MW-08-29 was added to the quarterly sampling schedule beginning in fourth quarter 2024 to provide additional data in the vicinity of MW-48F.
Specific Comments				
3.	Third and Fourth Quarter Groundwater Monitoring Evaluation	Section 4	This section indicates that wells OW-08-15 and OW-09-25 were not sampled in third quarter 2023 (which matches the data tables). However, Section 5.2.2 (Paragraph 4) indicates the result for BTEX and VOCs at these wells were non-detect in the third quarter. Please clarify whether these wells were sampled in the third and/or fourth quarter.	OW-08-15 and OW-09-25 were not sampled in third quarter 2023, but they were sampled in first, second, and fourth quarters 2023 and were non-detect for all VOCs each quarter sampled.
4.	Contaminant Mass Removed	Section 5.3	The contaminant mass removed estimates reported in this section differ slightly from those provided in Table 3. Please review these estimates to ensure they match in future reports.	The values in the table were inadvertently not showing additional decimal places of precision in the measurements. For example, for data values of 1.4+1.4+1.4, the sum is 4.2, but showing only 1 significant figure in the worksheet, it would appear as 1+1+1, which would appear to produce a sum of 3. We will add a summation column at the right in this table, and in future reports the sum values in the text will correspond with those in that new column of the table.
1.	Laboratory Testing Results	Table 2	The 'comprehensive groundwater framework' indicates that quarterly groundwater monitoring in wells installed for purposes of evaluating the trenches (MW-47F thru MW-53F) includes analysis for total petroleum hydrocarbons (TPH). However, it does not appear that TPH data have been collected for these wells. Please include TPH analysis for future groundwater samples collected from these wells. In addition, DEQ requests that NW Natural begin analyzing TPH in the Pretreatment Plant Expansion influent.	TPH is analyzed for these wells, and the results are presented in Table 2 of the 3rd and 4th Quarter 2023 report. Results for MW-47F are on page 57 of 115; MW-48F on page 63 of 115; MW-49F on pages 72 and 75 of 115; MW-50F on page 75 of 115; MW-51F on page 81 of 115; MW-52F on page 84 of 115; and MW-53 on pages 87 and 90 of 115. TPH analysis has been added to the Pretreatment Plant Expansion influent samples beginning in January 2025.
2.	Concentration and Mass of Contaminants in NW Natural Pretreatment Plant Expansion Influent	Table 3	DEQ requests that NW Natural begin estimating TPH mass removal.	TPH mass removal will be added to the analysis for the 2025 reports.
3.	Groundwater Elevations – OW-08-15 and River	Attachment C, Figure C-8	The groundwater elevation for OW-08-15 does not appear correct. Please discuss whether this figure reflects a transducer error or a graphing error.	OW-08-15 was dry until November 5, 2023. The transducer was unable to connect when checked on December 7, 2023, and was removed, sent in for service, and replaced. The data have since been recovered for November 2023 and are available upon request.

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Third and Fourth Quarter 2023
DEQ Comment and Response Matrix

ID No.	Section Name/Topic	Section/Table/ Figure No.	DEQ Comment	NW Natural Response
4.	Fill WBZ Potentiometric Surface Maps (Monthly Average)	Attachment D	DEQ requests that NW Natural add a table summarizing monthly minimum, average, and maximum pumping rates for the T-50 trench, T-100 trench, and combined trenches.	A table will be added showing monthly minimum, average, and maximum pumping rates for T-50, T-100, and combined trenches.

Notes:
--: not applicable
DEQ: Oregon Department of Environmental Quality
DNAPL: dense nonaqueous phase liquid
TPH: total petroleum hydrocarbons
VOC: volatile organic compound

Attachment B
Trench Hydrographs and Pumping Rates

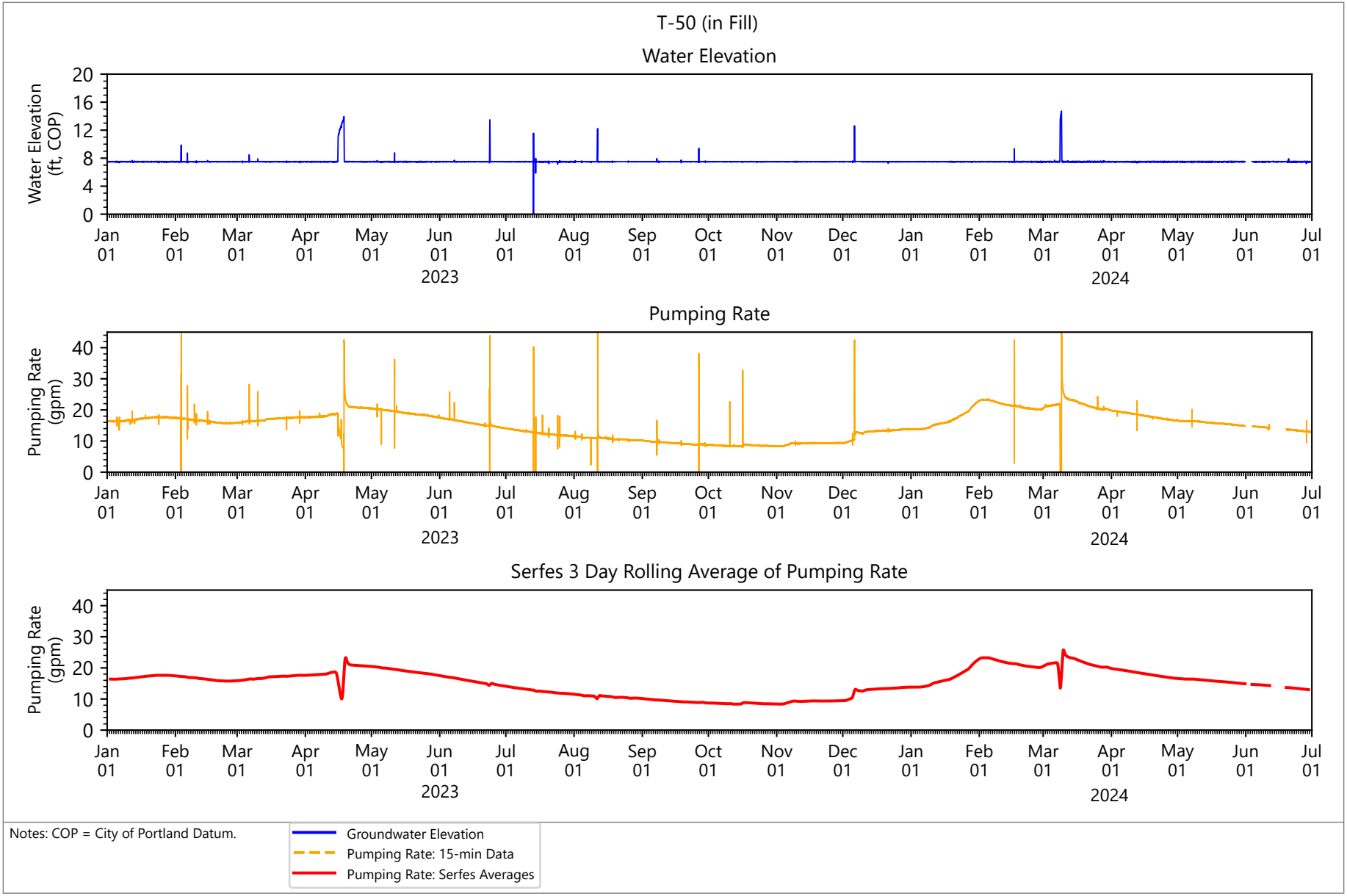


Publish Date: 01/21/2025 15:05 PM | User: PDX-JREN
\\wcl-hg1\Hg\Gasco_SC\Python\Gasco_User_Input_Plots\EQuIS\elevation_time_series_LNG_all_in_one_test.py

ANCHOR QEA

Figure B-1
Groundwater Elevations Wells

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site

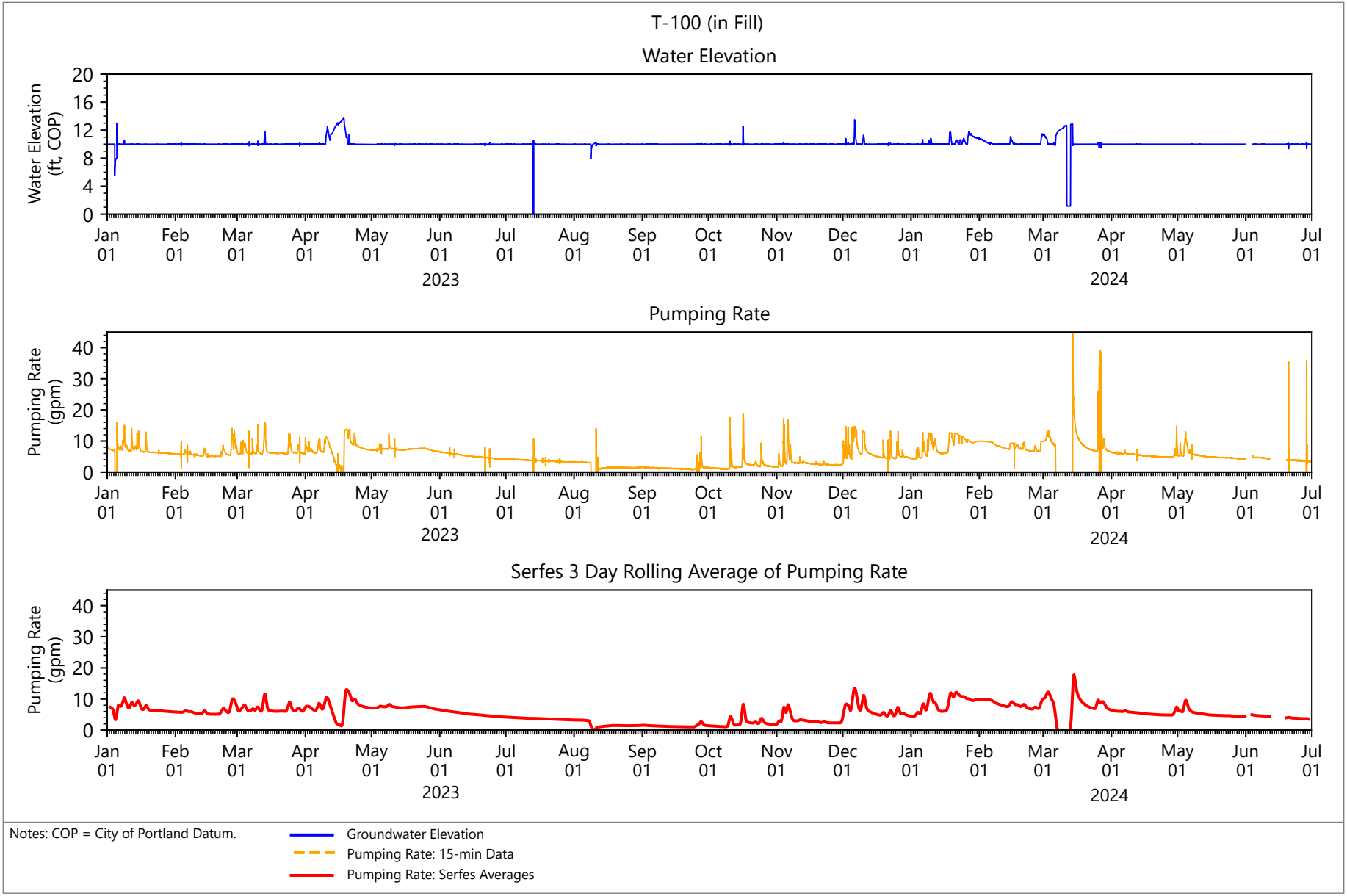


Publish Date: 01/21/2025 15:04 PM | User: PDX-JREN
\\wcl-hg1\Hg\Gasco_SC\Python\Gasco_User_Input_Plots\EQuIS\pumping_time_series_trenches_EQuIS_test.py

ANCHOR QEA

Figure B-2
Groundwater Elevations and Pumping Rates at Pumping Wells

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site

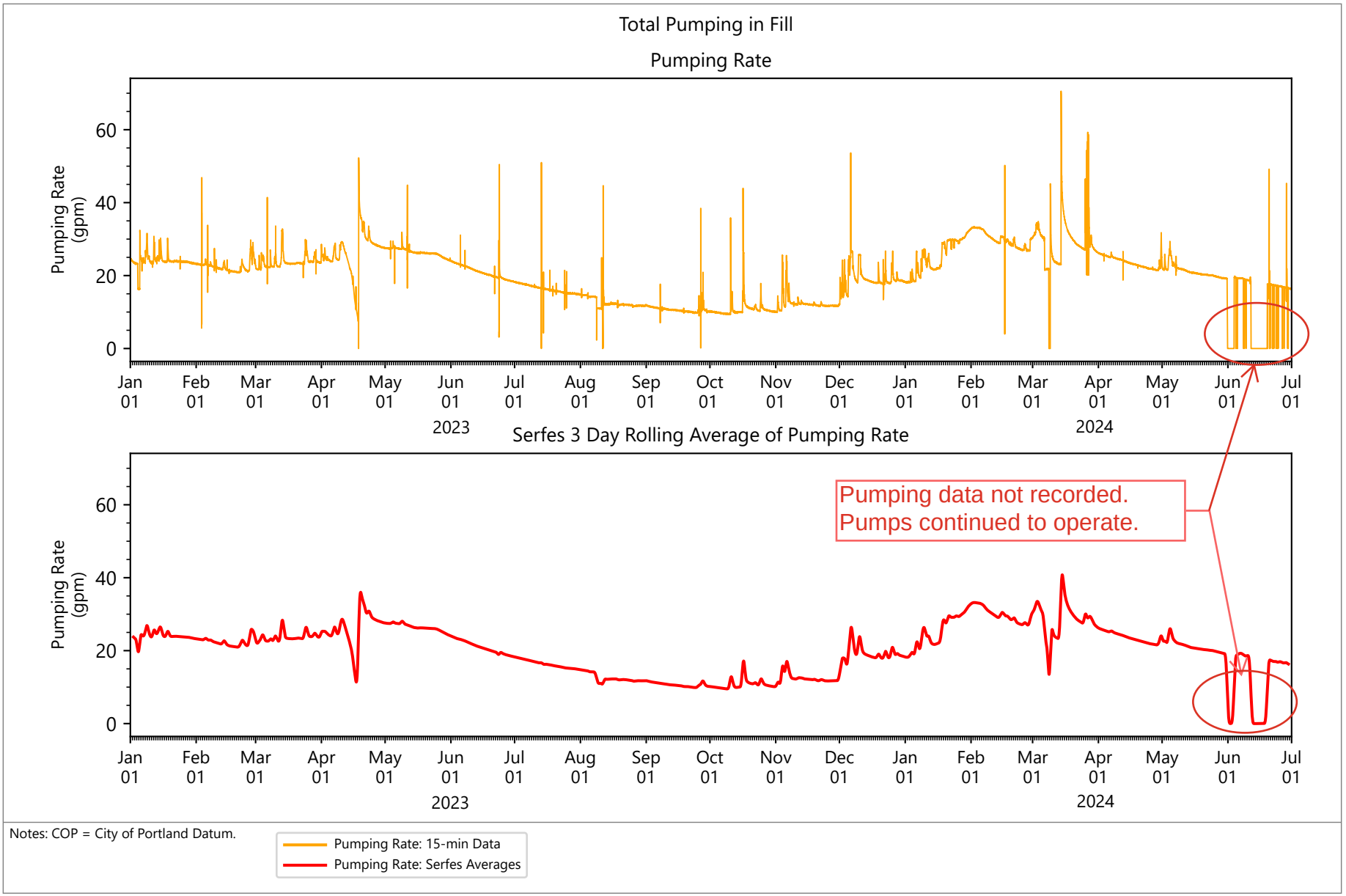


Publish Date: 01/21/2025 15:04 PM | User: PDX-JREN
\\wcl-hg1\Hg\Gasco_SC\Python\Gasco_User_Input_Plots\EQuIS\pumping_time_series_trenches_EQuIS_test.py

ANCHOR QEA

Figure B-3
Groundwater Elevations and Pumping Rates at Pumping Wells

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site



Publish Date: 01/21/2025 15:04 PM | User: PDX-JREN
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ANCHOR QEA

Figure B-4
Groundwater Elevations and Pumping Rates at Pumping Wells

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – First and Second Quarter 2024
NW Natural Gasco Site

Attachment C
Field Sampling Data Sheets

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-42F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031124-03

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: 48 °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)
3/11/2024	11:11	27.39	—	34.6	—	7.21	X 1 1.18
/	:	—	—	—	—	~	X 3 3.54

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	3/11/24	12:00	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	---	√
VOA Glass*	/	—	—	—	40ml	HCL	YES	NO	---	√
Amber Glass*	3/11/24	12:00	B	2	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1114 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1118	1.0	27.40	6.68	598.6	15.9	0.36	112.4	3.78	Clear, colorless
2	B	1122	2.0	27.40	6.62	594.9	16.0	0.32	107.0	1.24	" "
3	B	1126	3.0	27.40	6.62	597.7	16.0	0.36	103.7	0.85	" "
4	B	1130	4.0	27.40	6.61	594.0	16.0	0.41	99.9	0.97	" "
5	B	1134	5.0	27.40	6.61	597.3	16.0	0.49	97.5	0.93	" "
6	B	1138	6.0	27.40	6.61	597.1	16.0	0.62	94.9	0.65	" "
7	B	1142	7.0	27.40	6.61	598.2	16.0	0.75	92.5	1.07	" "
8	B	1146	8.0	27.40	6.61	598.5	16.0	0.81	90.9	1.16	" "
9	B	1150	9.0	27.40	6.61	598.3	16.0	0.84	89.6	0.86	" "
10	B	1154	10.0	27.40	6.61	596.8	16.0	0.86	88.3	1.61	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-1F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-03124-04

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:**	48	°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)
3/11/2024	13:02	27.96	—	37.7	—	9.74	X 1	1.57
/	:	—	—	—	—	—	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	3/11/24	14:10	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	---	✓
VOA Glass*	/	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/11/24	14:10	B	2	1L	HCl	YES	NO	---	✓
Total Bottles (include duplicate count):				12						

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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1306 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1310	0.6	28.23	6.58	889	15.5	0.64	152.8	38.58	Orange/tan tint
2	B	1314	1.2	28.24	6.57	892	15.7	0.40	150.4	9.05	Clear, colorless
3	B	1318	1.8	28.25	6.58	887	15.7	0.52	148.2	4.16	" "
4	B	1322	2.4	28.25	6.59	849	15.8	0.70	147.8	2.39	" "
5	B	1326	3.0	28.25	6.61	820	15.9	6.86	146.6	3.44	" "
6	B	1330	3.6	28.26	6.63	796	15.8	1.05	144.3	1.98	" "
7	B	1334	4.2	28.26	6.64	761	15.9	1.11	142.3	3.10	" "
8	B	1338	4.8	28.27	6.64	727	15.9	1.16	140.4	3.96	" "
9	B	1342	5.4	28.27	6.64	687	15.9	1.17	138.0	3.46	" "
10	B	1346	5.8	28.27	6.63	664	15.8	1.20	136.3	3.36	" "
11	B	1350	6.4	28.28	6.62	645	15.8	1.22	134.7	3.03	" "
12	B	1354	7.0	28.28	6.61	633	15.8	1.23	133.6	2.53	" "
13	B	1358	7.7	28.28	6.60	625	15.9	1.26	131.9	2.48	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 Lattom (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-47 F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031224-05

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:**	47 °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)
3/12/24	11:35	14.06	—	36.2	—	22.14	X 1	3.61
/ /	:	—	—	—	—	—	X 3	10.83

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	3/12/24	12:15	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	3/12/24	12:15	B	2	125ml	None	YES	NO	---	✓
Green Poly	3/12/24	12:15	B	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	3/12/24	12:15	B	1	250ml	HNO_3	YES	NO	---	✓
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	3/12/24	12:15	B	2	(1L)	(HCl)	(YES)	(NO)	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1138 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1142	1.2	14.12	6.41	559.2	14.2	0.38	134.6	14.91	slight Grey tint
2	B	1146	2.4	14.13	6.43	548.1	14.3	0.29	122.6	3.97	Clear Colorless
3	B	1150	3.6	14.14	6.47	534.5	14.3	0.21	112.5	10.59	Clear Colorless
4	B	1154	4.8	14.13	6.47	524.8	14.3	0.34	104.6	10.59	Clear Colorless
5	B	1158	6.0	14.14	6.50	517.0	14.3	0.37	98.1	8.23	Clear Colorless
6	B	1202	7.2	14.15	6.50	517.0	14.2	0.35	93.6	3.28	Clear, Colorless
7	B	1206	8.4	14.15	6.52	509.6	14.1	0.33	87.3	3.29	Clear, Colorless
8	B	1210	9.6	14.15	6.52	516.6	14.1	0.35	82.9	3.84	Clear, Colorless
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Cody Fuller (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW 51 F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 031224 - 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:**	47 °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]
3/12/24	13:37	23.88	—	29.2	—	5.32	X 1	5.32
/—	—	—	—	—	—	—	X 3	15.96

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	/ /	14:12	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	14:12	B	2	125ml	None	YES	NO	---	✓
Green Poly	/ /	14:12	B	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	14:12	B	1	250ml	HNO_3	YES	NO	---	✓
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	14:12	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 1344 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1344	1.2	23.88	18.6	424.7	13.8	0.11	141.8	74.19	Cloudy SS
2	B	1348	2.4	23.94	6.50	389.9	13.8	0.10	133.9	42.69	slightly Cloudy w/ SS
3	B	1352	3.6	23.93	6.48	370.6	13.8	0.10	123.0	23.80	clear colorless
4	B	1356	4.8	23.93	6.47	369.1	13.9	0.11	114.0	11.56	clear colorless
5	B	1400	6.0	23.92	6.42	373.9	13.8	0.22	105.7	22.98	Clear Colorless
6	B	1404	7.2	23.93	6.49	364.3	13.8	0.28	95.4	22.22	Clear colorless
7	B	1408	8.4	23.93	6.46	365.4	13.7	0.26	91.9	20.05	Clear colorless
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

SS-

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: Cody Fuller (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-49F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 63124-07

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: 50 °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]
3/12/24	13:34	24.77	—	32.8	—	8.03	X 1	1.31
/	—	—	—	—	—	—	X 3	3.93

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	3/12/24	14:45	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	---	✓
VOA Glass*	/	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/12/24	14:45	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1340 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1344	1.2	24.90	6.40	2213	14.4	0.30	239.7	76.74	Light tan/orange cloudy w/ S.S.
2	B	1349	2.4	24.92	6.35	2057	14.3	0.47	236.1	38.75	Light tan/orange tint w/ S.S.
3	B	1352	3.6	24.91	6.28	2036	14.3	0.51	234.0	33.56	" " " " "
4	B	1356	4.8	24.91	6.28	1923	14.3	0.48	229.6	22.63	Almost clear
5	B	1400	10.8	24.91	6.56	1275	13.8	0.37	211.4	8.70	Clear, colorless
6	B	1420	12.0	24.91	6.60	1197	13.7	0.37	208.1	3.30	" "
7	B	1424	13.2	24.91	6.63	1179	13.9	0.37	206.2	3.74	" "
8	B	1428	14.4	24.91	6.64	1190	13.8	0.37	205.3	3.21	" "
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)** 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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

* - Away 20 minutes to assist Tetterl with T-100. Left running.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-52F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031324-09

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:**	51 °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)
3/13/2024	12:41	7.61	—	14.2	—	6.59	X 1	1.07
/	—	—	—	—	—	—	X 3	3.21

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_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	3/13/24	13:20	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	---	√
VOA Glass*	/	— :—	—	—	40ml	HCL	YES	NO	---	for
Amber Glass*	3/13/24	13:20	B	2	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 1246 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1250	1.0	7.86	7.07	483.7	13.9	0.27	116.4	10.38	Clear, colorless w/ S.S.
2	B	1254	2.2	7.90	6.96	466.0	13.9	0.27	109.3	9.63	" " "
3	B	1258	3.4	7.91	6.90	456.2	13.9	0.31	106.9	6.53	" " "
4	B	1302	4.6	7.91	6.84	452.0	13.9	0.31	106.7	5.40	" " "
5	B	1306	5.8	7.91	6.82	441.1	13.8	0.34	106.3	4.59	Clear, colorless
6	B	1310	7.0	7.91	6.81	433.4	13.8	0.36	106.0	4.34	" "
7	B	1314	8.2	7.91	6.81	426.0	13.8	0.39	105.6	4.50	" "
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)** 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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-53F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 031324-11

DUP ID: — Time: —

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

WEATHER:	SUNNY	PRTLY CLDY	CLOUDY	RAIN	No Wind	TEMPERATURE:	52 °F
		(PRTLY CLDY)					

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product [Product Thickness]	DT-Bottom	DTB-DTP	DTB-DTW [Water Column]		Volume (gal) [Water Column x Gal/ft]
3/13/2024	13:53	7.36	—	12.8	—	5.44	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	3/13/24	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	---	✓
VOA Glass*	/	— : —	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/13/24	14:35	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 1357 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1401	1.4	7.76	6.77	732	13.0	0.25	117.4	21.22	Slight orange tint
2	B	1405	2.8	7.79	6.81	723	12.9	0.28	115.4	11.04	Clear, colorless
3	B	1409	4.2	7.80	6.85	720	13.0	0.30	113.7	6.61	" "
4	B	1413	5.6	7.80	6.86	719	13.0	0.33	112.6	6.00	" "
5	B	1417	7.0	7.80	6.87	720	13.1	0.37	111.3	4.74	" "
6	B	1421	8.4	7.80	6.88	720	13.1	0.39	110.4	3.95	" "
7	B	1425	9.8	7.80	6.88	719	13.1	6.40	109.7	3.75	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Dovy Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW NWN-9-31

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-03424-12

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)
WEATHER:	(SUNNY)	PRTLY CLDY	CLOUDY	RAIN				

(LIGHT) MEDIUM HEAVY No Wind **TEMPERATURE:** 45 °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)
3/14/24	10:50	23.78	—	32.40	—	8.62	X 1 1.41
/	:	—	—	—	—	—	X 3 4.22

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	3/14/24	12:20	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	3/14/24	12:20	B	2	125ml	None	YES	NO	---	✓
Green Poly	3/14/24	12:20	B	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	3/14/24	12:20	B	1	250ml	HNO_3	YES	NO	---	✓
VOA Glass*	3/14/24	12:20	—	—	~~40ml~~	~~HCL~~	YES	NO	---	—
Amber Glass*	3/14/24	12:20	B	2	1L	(HCl)	YES	NO	---	✓
Total Bottles (include duplicate count):				12						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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA

Purge Start Time: 11:17 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1121	0.8	23.81	6.61	1011.0	14.0	0.40	126.0	9.75	Colorless - Clear
2	B	1125	1.60	23.80	6.66	913.5	14.2	1.37	119.2	5.97	Colorless - Clear
3	B	1129	2.40	23.80	6.66	846.2	14.2	2.73	113.5	2.86	Colorless - Clear
4	B	1133	3.20	23.80	6.67	793.2	14.4	3.37	107.1	2.66	Colorless - Clear
5	B	1137	4.00	23.80	6.65	729.1	14.5	3.59	100.2	2.08	" - "
6	B	1141	4.80	23.80	6.67	681.0	14.5	3.66	96.2	0.91	" - "
7	B	1145	5.60	23.80	6.66	604.2	14.6	3.48	89.4	1.49	" - "
8	B	1149	6.40	23.81	6.64	552.0	14.6	3.39	84.0	1.44	Colorless - Clear
9	B	1153	7.20	23.80	6.66	531.1	14.6	3.32	80.6	1.49	Colorless - Clear
10	B	1157	8.00	23.80	6.64	517.9	14.6	3.27	77.2	1.14	" - "
11	B	1201	8.80	23.80	6.66	507.5	14.6	3.22	73.0	1.52	" - "
12	B	1205	9.60	23.80	6.67	496.5	14.6	3.17	70.1	1.42	" - "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 SHULL (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** WSG-34

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031424-13

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:**	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)
3/14/24	10:58	22.21	—	33.0	—	10.79	X 1	~~10.79~~ 1.76
/	:	—	—	—	—	—	X 3	~~32.37~~ 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	3/14/24	12:55	B	6	40 ml	(HCl)	(YES)	(NO)	---	✓
Amber Glass	3/14/24	12:55	B	2	125ml	None	YES	NO	---	✓
Green Poly	3/14/24	12:55	B	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	3/14/24	12:55	B	1	250ml	HNO_3	YES	NO	---	✓
VOA Glass*	—	:			40ml	HCL	YES	NO	---	
Amber Glass*	3/14/24	12:55	B	2	1L	(HCl)	(YES)	(NO)	---	✓
Total Bottles (include duplicate count):				12		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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 11:08 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1112	.8	22.59	6.96	344.7	12.7	0.28	104.1	2.26	Clear Colorless
2	B	1116	1.6	22.66	6.80	333.7	12.7	0.30	104.2	1.38	clear colorless
3	B	1120	~~2.4~~	22.77	6.72	329.0	12.8	0.32	104.5	1.97	Clear Colorless
4	B	1124	~~3.2~~	22.87	6.69	328.4	12.9	0.38	104.2	2.11	Clear Colorless
5	B	1128	~~4.0~~	22.99	6.65	328.6	12.9	0.40	103.9	1.97	Clear Colorless
6	B	1132	4.8	23.11	6.62	329.1	13.0	0.43	103.1	1.87	Clear Colorless
7	B	1136	5.6	23.23	6.62	328.1	13.1	0.46	102.2	1.76	Clear Colorless
8	B	1140	6.6	23.35	6.60	327.8	13.1	0.47	102.0	1.56	Clear Colorless
9	B	1144	7.6	23.48	6.60	328.3	13.1	0.46	101.4	1.51	clear colorless
10	B	1148	8.6	23.62	6.62	326.3	13.1	0.45	100.6	1.17	Clear Colorless
11	B	1152	9.6	23.74	6.63	326.1	13.2	0.44	99.7	1.01	Clear Colorless
12	B	1156	10.6	23.84	6.61	323.4	13.0	0.43	99.1	1.26	Clear Colorless
13	B	1200	11.6	23.95	6.60	324.1	13.2	0.42	98.7	1.12	Clear Colorless
14	B	1204	12.6	24.04	6.61	323.7	13.2	0.41	98.1	1.03	Clear colorless
15	B	1208	13.6	24.10	6.62	323.4	13.3	0.41	97.4	0.95	Clear Colorless
	[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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

↑ = increased 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: Cody Fuller
(PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** WS-9-34

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 031424-13

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:**	° 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)
/ /	:						X 1	
/ /	:						X 3	

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 N A

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	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 1108 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1212	14.6	24.24	6.60	324.2	13.2	0.40	96.8	0.69	Clear Colorless
2	B	1216	15.6	24.33	6.59	324.1	13.3	0.40	96.0	0.66	Clear Colorless
3	B	1220	16.6	24.40	6.59	323.6	13.3	0.40	95.5	1.02	Clear colorless
4	B	1224	17.6	24.51	6.61	323.3	13.5	0.40	94.6	0.81	Clear Colorless
5	B	1228	18.6	24.63	6.61	323.3	13.4	0.40	93.9	0.86	Clear colorless
6	B	1232	19.6	24.73	6.60	325.9	13.3	0.40	93.5	0.74	Clear Colorless
7	B	1236	20.6	24.82	6.60	327.5	13.4	0.40	92.9	1.07	Clear Colorless
8											
9	unable to low-flow Parameters stable 3X Volume reached taking sample										
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Cody Fuller (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-2-F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-03424-15

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:	62 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product [Product Thickness]	DT-Bottom	DTB-DTP	DTB-DTW [Water Column]		Volume (gal) [Water Column x Gal/ft]
3/14/24	14:22	27.10	—	33.4	—	6.3	X 1	1.07
/	:	—	—	—	—	—	X 3	3.05

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	3/14/24	15:05	G	B	40 ml	HCl	YES	NO	---	✓
Amber Glass	3/14/24	15:05	2	B	125ml	None	YES	NO	---	✓
Green Poly	3/14/24	15:05	1	B	125ml	NaOH	YES	NO	---	✓
Red Poly-total	3/14/24	15:05	1	B	250ml	HNO_3	YES	NO	---	✓
VOA Glass*	—/—	:			40ml	HCL	YES	NO	---	
Amber Glass*	3/14/24	15:05	2	B	1L	(HCl)	(YES)	(NO)	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1428 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1432	0.8	27.81	6.59	637.0	17.5	0.62	122.1	11.30	clear SS
2	B	1436	1.6	27.84	6.51	526.1	17.4	0.44	117.6	3.18	clear colorless SS
3	B	1440	2.4	27.93	6.52	469.4	17.5	0.44	113.2	2.47	clear few SS
4	B	1444	3.2	27.97	6.56	452.0	17.5	0.45	110.8	5.09	clear SS
5	B	1448	4.0	27.99	6.47	445.4	17.4	0.47	109.1	3.88	clear SS
6	B	1452	4.8	28.02	6.51	443.6	17.5	0.47	108.2	1.99	clear colorless
7	~~B~~	~~1456~~	~~5.6~~								
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

SS

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: Cody Fuller
(PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** WS-8-33

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031424-16

DUP ID: — Time: —

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

WEATHER:	SUNNY	PRTLY CLDY	CLOUDY	RAIN	No Wind	TEMPERATURE: ~~24.6°C~~ 58 °F
		(PRTLY CLDY)				

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)
3/14/24	14:25	24.33	—	33.33	—	9.00	X 1	~~13.20~~ 1.467
/	/	/	/	/	/	/	X 3	~~39.60~~ 4.40

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	3/14/24	15:10	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	15:10	/	2	125ml	None	YES	NO	---	✓
Green Poly	/	15:10	/	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	15:10	/	1	250ml	HNO_3	YES	NO	---	✓
VOA Glass*	/	15:10	/	/	40ml	HCL	YES	NO	---	—
Amber Glass*	3/14/24	15:10	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 1421 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1435	1.2	24.40	6.49	773	16.2	0.22	146.1	8.44	Colorless - Clear
2	B	1439	2.4	24.41	6.50	726	16.2	0.02	131.4	12.70	" - "
3	B	1443	3.6	24.41	6.50	708	16.3	0.30	124.0	6.30	" - "
4	B	1447	4.8	24.39	6.51	689	16.4	0.26	115.1	3.67	Colorless - Clear
5	B	1451	6.0	24.38	6.51	681	16.4	0.24	110.9	3.88	Colorless - Clear
6	B	1455	7.2	24.38	6.50	674	16.3	0.27	102.2	3.29	Colorless - Clear
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 SHROLL (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-21-12

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031824-19

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:**	53 °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)
3/18/24	10:15	13.80	—	15.5	—	1.70	X 1	0.28
3/18/24	12:10	12.58	—	—	—	—	X 3	0.84

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	3/18/24	12:25	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	---	√
VOA Glass*	/ /	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/18/24	12:25	B	2	1L	HCl	YES	NO	---	√
Total Bottles (include duplicate count):				12		**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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA

Purge Start Time: 0820 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1024	1.0	13.81	6.57	927	13.5	0.41	136.8	17.74	Clear, colorless, Trace S.S.
2	B	1028	2.0	13.81	6.71	904	13.5	0.40	127.3	15.55	" "
3	B	1032	3.0	14.67	6.67	940	13.5	0.35	125.1	17.89	" "
4	B	1036	3.8	15.03	6.70	978	13.6	0.42	123.4	13.6	" "
5	B	1040	4.4	15.30	6.70	1007	13.8	0.57	122.2	12.10	" "
6	B	1044	4.9	15.48	6.73	1084	13.9	0.77	119.9	23.90	" "
7											
8	Unable to Low Flow, purging Dry and allow to Recharge.										
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-46F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 031824-21

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:**	55 °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)
3/18/24	1400	7.90	—	19.6	—	11.7	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	3/18/24	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	---	✓
VOA Glass*	/ /	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/18/24	14:50	B	2	1L	HCl	YES	NO	---	
Total Bottles (include duplicate count):				12		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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1404 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1408	1.6	7.95	4.96	3803	14.4	1.32	186.5	7.85	clear, colorless, Trace SS
2	B	1412	3.0	7.94	4.84	3330	14.2	1.04	178.2	15.43	" "
3	B	1416	4.4	7.94	5.30	1230	13.4	1.03	163.2	9.49	" "
4	B	1420	5.8	7.94	5.34	1068	13.2	1.10	155.7	8.54	" "
5	B	1424	7.2	7.94	5.33	1010	13.0	1.17	151.9	7.47	" "
6	B	1428	8.6	7.94	5.35	961	13.0	1.22	149.4	7.77	" "
7	B	1432	10.0	7.94	5.35	925	12.9	1.24	147.0	6.50	" "
8	B	1436	11.4	7.94	5.33	899	12.9	1.25	144.1	6.81	" "
9	B	1440	12.8	7.94	5.35	875	12.8	1.25	143.0	6.97	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

↓ Decreased flow rate (To reduce Effervescence)

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-3-26

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031924-23

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)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW	[Water Column x Gal/ft] Volume (gal)
3/19/2024	11:40	19.66	—	28.8	—	9.14	X 1 1.49
/ /	:	—	—	—	—	—	X 3 4.47

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	3/19/24	12:25	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	---	√
VOA Glass*	/ /	:		—	40ml	HCL	YES	NO	---	
Amber Glass*	3/19/24	12:25	B	2	1L	HCl	YES	NO	---	√
Total Bottles (include duplicate count):				12		**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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1142 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1148	1.2	19.99	7.18	535.9	14.8	0.88	165.4	47.83	Orange tint
2	B	1152	2.4	20.11	7.14	535.2	14.8	0.87	164.6	5.36	~~Clear, colorless~~ w/ S.S.
3	B	1156	3.6	20.20	7.12	533.7	14.8	0.88	163.8	1.93	Clear, colorless
4	B	1200	4.8	20.30	7.11	530.9	14.7	0.88	163.4	2.15	" "
5	B	1204	5.7	20.38	7.11	530.6	14.8	0.88	162.2	2.84	" "
6	B	1208	6.8	20.42	7.09	529.1	14.9	0.89	161.6	1.93	" "
7	B	1212	6.9	20.44	7.08	527.4	14.8	0.89	160.5	0.79	" "
8	B	1216	7.5	20.46	7.08	526.6	14.9	0.87	159.9	6.59	
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)** 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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Dovey Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-8-15

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031924-27

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:**	56 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 128%

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW	[Water Column x Gal/ft] Volume (gal)
3/19/2024	10:02	15.90	—	17.2	—	1.30	X 1 0.21
3/19/2024	14:13	15.53	—	17.2	—	1.67	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	3/19/24	14:20	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	---	✓
VOA Glass*	/ /			—	40ml	HCL	YES	NO	---	
Amber Glass*	3/19/24	14:20	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1023 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1027	0.8	16.39	7.04	311.8	13.6	1.98	177.4	5.16	clear, colorless
2	B	1031	1.6	16.58	7.07	311.5	13.6	1.64	178.2	8.17	" "
3	B	1035	2.2	16.60	7.24	310.6	13.7	1.91	176.9	7.80	" "
4	B	1039	2.8	16.67	7.24	309.1	13.8	1.59	176.2	4.47	" "
5	B	1043	3.2	16.69	7.08	307.8	13.9	1.43	174.8	3.67	" "
6			Unable to low flow - increase pump speed.								
7	E	1046	4.2 - well dry; allow to recharge								
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Drey Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-7-17

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-031924-28

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] 108% [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
3/19/2024	10:59	16.48	—	20.0	—	3.52	X 1	0.57
3/19/2024	14:47	16.19	—	20.0	—	3.81	X 3	1.71

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	3/19/24	15:10	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	---	√
VOA Glass*	—	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/19/24	15:10	B	2	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA

Purge Start Time: 1106 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1110	1.0	17.19	7.07	604.8	14.1	0.43	178.1	181.5	Light orange cloudy
2	B	1114	2.0	17.78	7.09	592.6	14.1	0.44	176.9	139.6	〃 〃 〃
3	B	1118	2.8	18.23	7.12	547.1	14.2	0.48	175.1	50.08	Light-orange tint
4	B	1122	3.4	18.48	7.11	546.3	14.3	0.51	175.0	41.33	〃 〃 〃
5		Unable to low-flow, increase pump speed									
6	A	1125	0.6	19.07	7.17	508.1	14.2	1.05	172.0	46.43	Light-orange tint
7	D	1127	1.0	20+	well dry, allow to recharge						
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 Luffcon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-48F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-032024-29

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~~ 50 °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)
3/20/24	9:50	12.25	—	29.70	—	17.45	X 1 2.84
/	:	—	—	—	—	—	X 3 8.52

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	3/20/24	10:35	B	6	40 ml	(HCl)	(YES)	(NO)	---	√
Amber Glass	3/20/24	10:35	B	2	125ml	None	YES	NO	---	√
Green Poly	3/20/24	10:35	B	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	3/20/24	10:35	B	1	250ml	HNO_3	YES	NO	---	√
VOA Glass*	/	:			40ml	HCL	YES	NO	---	—
Amber Glass*	3/20/24	10:35	B	2	1L	(HCl)	(YES)	(NO)	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 954 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	958	1	12.28	7.81	700	13.2	0.20	135.7	3.90	Clear Colorless
2	B	1002	2	12.28	4.67	704	13.1	0.15	131.8	3.35	" "
3	B	1006	3	12.28	6.82	702	13.2	0.21	124.5	4.75	" "
4	B	1010	4	12.28	6.84	704	13.2	0.20	120.8	3.34	" "
5	B	1014	5	12.28	6.83	706	13.1	0.19	125.1	3.16	" "
6	B	1018	6	12.28	6.82	706	13.1	0.23	123.0	4.24	" "
7	B	1022	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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Cody Fuller (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-9-25

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-032024-30

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:**	49 °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)
3/20/2024	10:18	25.26	—	27.6	—	2.34	X 1	0.38
/	:	—	—	—	—	—	X 3	1.14

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	3/20/2024	11:00	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	---	√
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/20/2024	11:00	B	2	1L	HCl	YES	NO	---	√
Total Bottles (include duplicate count):				12	**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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1028 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1032	1.0	25.61	6.47	328.0	15.7	3.71	121.8	4.75	Clear, colorless
2	B	1036	2.0	25.61	6.43	293.4	15.8	3.19	114.8	3.53	" "
3	B	1040	3.0	25.62	6.46	288.7	15.8	2.90	111.2	1.18	" "
4	B	1044	4.0	25.62	6.44	286.0	15.8	2.62	108.1	1.11	" "
5	B	1048	5.0	25.62	6.45	284.1	15.9	2.63	106.1	0.39	" "
6	B	1052	6.0	25.62	6.44	282.7	15.9	2.58	105.6	0.28	" "
7											
8											
9											
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11											
12											
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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 HNO_3 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-40F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 032024-31

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:**	49 °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)
3/20/24	10:24	19.42	—	30.2	—	10.78	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	3/20/24	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	---	✓
VOA Glass*	/ /	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/20/24	11:20	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 x3 = 36 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1027 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1.6	19.45	5.92	891	12.1	0.11	121.0	3.06	Clear, Colorless
2	B	1035	3.2	19.45	5.94	849	12.0	0.09	108.4	3.71	" "
3	B	1039	4.8	19.45	5.98	773	12.0	0.15	97.2	2.71	" "
4	B	1043	6.4	19.45	5.99	711	12.0	0.94	87.5	4.10	" "
5	B	1047	8.0	19.45	6.02	652.0	12.0	1.96	77.5	3.49	" "
6	B	1051	9.6	19.45	6.01	618.6	12.0	2.47	69.8	8.07	" "
7	B	1055	11.2	19.45	6.03	609.1	12.0	2.78	64.0	3.89	" "
8	B	1059	12.8	19.45	6.02	590.1	12.0	3.01	57.6	3.05	" "
9	B	1103	14.4	19.45	6.03	581.3	12.0	3.14	52.6	3.34	" "
10	B	1107	16.0	19.45	6.03	570.3	12.0	3.24	47.2	3.51	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-1-22

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-032024-32

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:**	49 °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)
3/20/2024	11:32	15.77	—	24.8	—	9.03	X 1 1.47
/ /	:	—	—	—	—	—	X 3 4.41

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

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	3/20/2024	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	---	√
VOA Glass*	/ /			—	40ml	HCL	YES	NO	---	
Amber Glass*	3/20/2024	12:20	B	2	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1138 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1142	1.4	16.18	6.78	408.2	12.4	1.43	94.6	23.24	Clear, colorless w/ S.S.
2	B	1146	2.8	16.40	6.82	424.4	12.2	0.87	92.7	2.31	Clear, colorless w/ few S.S.
3	B	1150	4.2	16.58	6.79	440.4	12.2	0.79	92.8	2.41	" " "
4	B	1154	5.4	16.67	6.75	452.9	12.2	0.85	92.5	1.45	" " "
5	B	1158	6.6	16.75	6.75	457.6	12.2	0.79	92.0	1.25	* Clear colorless
6	B	1202	7.4	16.80	6.77	462.1	12.2	0.76	91.4	1.32	Clear, colorless
7	B	1206	8.2	16.82	6.75	466.7	12.3	0.72	90.7	1.50	" "
8	B	1210	9.0	16.83	6.74	468.8	12.3	0.69	90.1	1.43	" "
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-23-27

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 032024-35

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:**	54 °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)
3/20/2024	13:39	25.02	—	30.3	—	5.28	X 1	0.86
/	←	—	—	←	—	—	X 3	2.58

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	3/20/2024	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	---	✓
VOA Glass*	/	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/20/2024	14:30	B	2	1L	HCl	YES	NO	---	✓
Total Bottles (include duplicate count):				12		**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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1349 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1353	0.8	25.52	6.64	546.6	14.6	0.22	109.7	1.76	Clear, colorless
2	B	1357	1.6	25.76	6.64	545.6	14.6	0.34	108.9	3.08	" "
3	B	1401	2.4	26.01	6.64	526.2	14.7	0.53	108.4	6.33	" "
4	B	1405	3.0	26.10	6.59	515.1	14.6	0.51	107.6	11.85	" "
5	B	1409	3.6	26.14	6.61	521.9	14.6	0.51	106.7	7.22	" "
6	B	1413	4.2	26.16	6.58	530.2	14.7	0.48	106.0	4.98	" "
7	B	1417	4.8	26.18	6.59	533.7	14.6	0.51	105.3	3.83	" "
8	B	1421	5.4	26.19	6.59	535.6	14.6	0.54	105.0	3.28	" "
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-5F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-032124-36

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:**	53 °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)
3/21/24	8:36	26.86	—	36.20	—	9.34	X 1 1.52
/ /	:						X 3 4.56

Gal/ft = $(dia./2)^2 \times 0.163$ | 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	3/21/24	09:25	B	6	40 ml	(HCl)	YES	NO	---	√
Amber Glass	/ /	09:25	B	2	125ml	None	YES	NO	---	√
Green Poly	/ /	09:25	B	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/ /	09:25	B	1	250ml	HNO_3	YES	NO	---	√
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	09:25	B	2	1L	(HCl)	(YES)	(NO)	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 842 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	846	0.8	27.03	7.00	995	14.3	0.72	95.9	4.35	Clear Colorless
2	B	850	1.6	27.03	7.05	997	14.4	0.55	86.3	2.39	" "
3	B	854	2.4	27.03	7.08	996	14.4	0.46	78.0	3.59	" "
4	B	858	3.2	27.04	7.08	999	14.4	0.89	70.9	2.01	Clear Colorless
5	B	902	4.0	27.04	7.09	1000	14.4	1.18	65.5	2.83	" "
6	B	906	4.8	27.04	7.08	997	14.5	1.24	62.0	2.88	" "
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Cody Euiler (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-4-35

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 032124-38

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:**	54 °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)
3/21/24	09:45	26.92	—	37.70	—	10.78	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	3/21/24	10:45	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	3/21/24	10:45	B	2	125ml	None	YES	NO	---	√
Green Poly	3/21/24	10:45	B	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	3/21/24	10:45	B	1	250ml	HNO_3	YES	NO	---	√
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	3/21/24	10:45	B	2	(1L)	(HCl)	(YES)	(NO)	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 0956 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1000	0.8	27.70	6.74	1065	13.9	0.57	65.5	3.95	Clear Colorless SS
2	B	1004	1.6	27.85	6.76	1065	13.9	1.61	60.8	1.85	Clear Colorless SS
3	B	1008	2.4	27.98	6.77	1065	14.0	2.72	54.2	1.80	" " "
4	B	1012	3.2	27.97	6.78	1066	14.1	3.60	49.4	3.69	" " "
5	B	1016	4.0	28.00	6.76	1065	14.1	3.99	44.9	3.09	" " "
6	B	1020	4.8	28.10	6.78	1063	14.1	4.39	40.4	2.96	" " "
7	B	1024	5.6	28.15	6.77	1063	14.1	4.52	36.8	3.50	" " "
8	B	1028	6.4	28.19	6.79	1062	14.2	4.72	34.5	3.01	" " "
9											
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

SS

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: Cody Fuller
(PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-2-32

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 032524-41

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: 47 °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)
3/25/2024	09:39	26.37	—	32.1	—	5.73	X 1	0.93
/	/	/	/	/	/	/	X 3	2.79

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	3/25/24	11:00	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/	/	2	2	125ml	None	YES	NO	---	√
Green Poly	/	/	+	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/	/	↓	1	250ml	HNO_3	YES	NO	---	√
VOA Glass*	/	+	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	3/25/24	11:00	B	2	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA

Purge Start Time: 0951 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	0955	1.0 1.2	26.45	6.75	677	15.4	0.95	102.4	51.32	Gray tint w/ S.S. (1.0 L)
2	B	1011	5.0 6.0	26.52	6.72	724	16.1	0.57	74.0	39.83	slight gray tint w/ S.S. (5.0 L)
3	B	1015	7.2 6	26.54	6.73	724	16.1	0.67	70.3	28.32	Almost clear w/ S.S. (6.0 L)
4	B	1019	8.4 7	26.56	6.73	724	16.1	0.78	66.9	30.17	" " " (7.0 L)
5	B	1023	8.0	26.57	6.73	726	16.1	0.89	63.4	27.06	" " "
6	B	1027	9.0	26.58	6.74	726	16.1	0.98	60.8	20.07	" " "
7	B	1031	10.0	26.59	6.74	727	16.1	1.11	58.3	16.85	Clear, colorless w/ S.S.
8	B	1035	11.0	26.61	6.74	727	16.0	1.20	56.0	8.12	" " "
9	B	1039	12.0	26.63	6.74	728	16.1	1.23	54.0	8.48	" " "
10	B	1043	13.0	26.65	6.74	727	16.1	1.27	52.2	7.98	" " "
11											
12											
13											
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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) 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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

* - stopped taking water quality from 0959-1011 to get missing equipment

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-50F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **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:**	60 °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)
3/21/24	13:40	20.44	23.79	27.80	4.01	7.36	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	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

NA

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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: NA **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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 (Note)
1	Note - No Sample - Insufficient Conditions for Ground water monitoring DNAPL thickness = 4.01', water thickness = 7.36'										
2											
3											
4											
5											
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 SHROLL (PRINTED NAME) Dan Shroll (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 1Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-39F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- No Sample

DUP ID: — Time: —

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

WEATHER: SUNNY | PRTLY CLDY | (CLOUDY) | RAIN | (LIGHT) | MEDIUM | HEAVY

No Wind

TEMPERATURE: 60 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 70.1%

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW	[Water Column x Gal/ft] Volume (gal)
3/21/2024	13:32	19.41	—	20.3	—	0.89	X 1 6.15
3/25/2024	09:10	19.67	—	20.3	—	0.63	X 3 0.45

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	---	
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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) D
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)

WATER QUALITY DATA Purge Start Time: 1343 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1347	0.8	19.60	3.72	1224	10.7	1.05	173.4	16.67	Clear, colorless
2	B	1351	1.2	19.65	3.63	1256	10.7	1.15	137.3	16.14	" "
3	B	1355	1.6	19.70	3.57	1277	10.6	1.65	111.5	11.80	" "
4		Unable to low-flow, allow to recharge until Monday,									
5		sample by 3x volume or dry.									
6		3/25/24									
7	D/E	0913	— No sample, no recovery from Thursday (4 days)								
8			19.70' → 19.67', effectively dry - 3/25/24								
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-50F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **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:**	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)
6/11/24	12:24	21.80	23.74	27.50	3.76	5.70	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	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

NA

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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: NA **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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 (NOTE)
1		NOTE									No Sample - Insufficient Conditions for Groundwater Monitoring. DNAPL Thickness = 3.76', Water thickness = 5.70' - 1.94'
2											
3											
4											
5											
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7											
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12											
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

DTW = 21.80
DTD = 23.74

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-48F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061024-01

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:**	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)
6/10/24	09:40	14.56	—	29.7	—	15.14	X 1	2.47
/ /	:	—	—	—	—	—	X 3	7.41

Gal/ft = $(dia./2)^2 \times 0.163$ | 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	6/10/24	10:30	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	---	✓
VOA Glass*	/ /	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	6/10/24	10:30	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 0949 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	0953	1.0	14.60	7.53	655	13.8	0.49	142.1	9.28	clear, colorless
2	B	0957	2.0	14.60	7.39	653	13.8	0.68	130.0	8.31	" "
3	B	1001	3.0	14.60	7.30	652	13.8	0.64	120.6	8.66	" "
4	B	1005	4.0	14.60	7.27	652	13.7	0.63	113.3	5.29	" "
5	B	1009	5.0	14.60	7.25	653	13.7	0.61	105.2	4.06	" "
6	B	1013	6.0	14.60	7.21	653	13.8	0.58	98.8	4.13	" "
7	B	1017	7.0	14.60	7.19	655	13.8	0.58	92.7	3.16	" "
8											
9											
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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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-5F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061024-02

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:**	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)
6/10/2024	09:31	25.28	—	36.2	—	10.92	X 1	1.78
/	:	—	—	—	—	—	X 3	5.34

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	6/10/24	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	---	√
VOA Glass*	/	:	—	—	~~40ml~~	~~HCL~~	~~YES~~	~~NO~~	---	—
Amber Glass*	6/10/24	10:40	B	2	1L	HCl	YES	NO	---	√
Total Bottles (include duplicate count):				12	**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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 0939 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	0.9	25.48	7.13	966	14.9	0.10	39.7	10.81	Clear, colorless
2	B	0947	1.8	25.47	7.17	960	15.0	0.10	13.3	4.73	" "
3	B	0951	2.7	25.47	7.13	963	14.9	0.36	-12.2	4.52	" "
4	B	0955	3.6	25.47	7.17	964	14.9	0.54	-33.6	2.15	" "
5	B	1001	4.5	25.47	7.18	963	15.0	0.51	-58.2	1.58	" "
6	B	1005	5.4	25.47	7.18	962	14.9	0.50	-69.9	4.07	" "
7	B	1009	6.3	25.47	7.19	962	15.0	0.50	-80.5	0.81	" "
8	B	1013	7.2	25.47	7.19	963	15.0	0.49	-89.0	1.46	" "
9	B	1017	8.1	25.48	7.20	963	15.0	0.49	-94.6	0.99	" "
10	B	~~1021~~	9.0	25.48	7.20	962	15.0	0.48	-100.3	0.77	" " 1021
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-47F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061024-03

DUP ID: GS-061024-04 Time: 1145

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)
6/10/24	11:06	16.40	—	36.2	—	19.8	X 1	3.23
/	—	—	—	—	—	—	X 3	9.69

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	6/10/24	11:40	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	---	✓
VOA Glass*	/	/	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	6/10/24	11:40	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **MS & MSD** (circle if collected) KZ=24 DUP

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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 1112 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1116	1.2	16.46	7.19	513.6	15.1	0.56	156.5	13.51	clear, colorless
2	B	1120	2.4	16.46	7.15	495.1	15.1	0.60	148.2	7.34	" "
3	B	1124	3.6	16.46	7.16	480.1	15.1	6.55	139.5	5.32	" "
4	B	1128	4.8	16.46	7.17	474.1	15.1	0.53	131.9	4.47	" "
5	B	1132	6.0	16.46	7.17	471.5	15.1	0.50	126.4	4.43	" "
6	B	1136	7.2	16.46	7.16	468.2	15.1	0.50	121.6	4.22	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-4-35

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061024-05

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:	65 °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)
6/10/2024	11:10	25.21	—	37.7	—	12.49	X 1	2.04
/+	:	—	—	—	—	—	X 3	6.12

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	6/10/24	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	---	√
VOA Glass*	+	:	—	—	~~40ml~~	~~HCL~~	~~YES~~	~~NO~~	---	—
Amber Glass*	6/10/24	12:10	B	2	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1120 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1124	1.4	26.28	7.05	984	14.8	0.56	70.7	3.93	clear, colorless
2	B	1128	2.6	26.71	7.14	984	15.1	0.59	49.6	3.48	" "
3	B	1132	3.6	26.85	7.20	982	15.1	0.54	28.9	4.15	" "
4	B	1136	4.4	26.70	7.20	983	15.0	0.55	18.2	3.68	" "
5	B	1140	5.2	26.70	7.29	984	15.0	0.53	2.8	4.27	" "
6	B	1144	6.0	26.70	7.29	982	15.1	0.55	-9.4	0.67	" "
7	B	1148	6.8	26.70	7.29	981	15.2	0.59	-19.6	0.65	" "
8	B	1152	7.6	26.70	7.32	981	15.1	0.66	-29.4	0.47	" "
9	B	1156	8.4	26.70	7.36	980	15.1	0.70	-39.8	0.76	" "
10	B	1200	9.2	26.70	7.42	980	15.2	0.70	-46.2	0.90	" "
11	B	1204	10.0	26.70	7.43	978	15.2	0.70	-51.6	0.91	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 Liffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-3-26

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-~~063~~ 061024-06

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:	70 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product [Product Thickness]	DT-Bottom	DTB-DTP	DTB-DTW [Water Column]		Volume (gal) [Water Column x Gal/ft]
6/10/24	13:24	22.71	~~132~~ —	28.8	—	6.09	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	6/10/24	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	---	√
VOA Glass*	/+	—	—	—	40ml	HCL	YES	NO	---	—
Amber Glass*	6/10/24	14:30	B	2	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 1334 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1338	1.4	23.09	7.07	503.8	15.1	0.11	109.6	9.63	Clear, colorless
2	B	1342	2.8	23.52	7.17	506.8	15.0	0.69	95.4	4.23	" "
3	B	1346	4.2	23.89	7.24	508.9	15.0	0.80	90.7	1.66	" "
4	B	1350	5.2	24.11	7.24	515.5	15.3	0.77	83.1	4.63	" "
5	B	1354	6.0	24.27	7.26	519.4	15.5	0.77	74.3	1.62	" "
6	B	1358	6.6	24.43	7.29	521.6	15.9	0.77	67.5	1.67	" "
7	B	1402	7.0	24.52	7.27	524.8	16.5	0.78	68.7	1.42	" "
8	B	1406	7.4	24.61	7.28	527.0	16.5	0.78	52.4	2.37	" "
9			Unable to low-flow, increase pump speed								
10	A	1409	2.5g	25.02	7.48	521.8	14.8	0.82	46.8	1.43	Clear, colorless
11	A	1413	3.0g	25.34	7.42	526.9	14.8	0.82	40.2	2.18	" "
12		Reached	3x volume → sample								
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-49F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 061024-07

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:	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)
6/10/24	14:20	25.45	—	32.8	—	7.35	X 1	1.20
/	:	—	—	—	—	—	X 3	3.60

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	6/10/24	15:20	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	---	√
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	6/10/24	15:20	B	2	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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1424 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1428	1.2	25.56	6.95	1119	15.8	0.89	179.9	154.5	slightly cloudy, colorless, traces S.
2	—	—	—	stopped, restarted at		1446	—	—	—	—	—
3	B	1450	2.4	25.56	6.90	918	15.8	1.07	145.5	18.33	clear, colorless, trace S-S.
4	B	1454	3.6	25.56	7.00	596.2	15.7	0.94	132.8	12.83	" "
5	B	1458	4.8	25.56	7.12	507.3	15.7	0.86	128.6	13.28	" "
6	B	1502	6.0	25.56	7.12	471.7	15.7	0.81	124.0	11.88	" "
7	B	1506	7.2	25.56	7.12	457.1	15.7	0.77	120.0	13.01	" "
8	B	1510	8.4	25.56	7.10	455.6	15.8	0.74	115.6	12.13	" "
9	B	1514	9.6	25.56	7.10	455.8	15.7	0.71	112.6	12.25	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-2-32

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 061124 – 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:**	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)
6/11/2024	09:21	22.11	—	32.1	—	9.99	X 1	1.63
/	/	/	/	/	/	/	X 3	4.89

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	6/11/24	10:30	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	---	√
VOA Glass*	—	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	6/11/24	10:30	B	2	1L	HCl	YES	NO	---	√
Total Bottles (include duplicate count):				12		**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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 0933 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	0937	1.0	—	—	—	—	—	—	—	Missed 1st reading	
2	B	0941	2.0	22.69	5.90	287.1	17.6	0.99	133.5	9.80	Clear, colorless	
3	B	0945	3.0	22.86	5.93	286.7	17.6	1.56	128.8	10.68	"	"
4	B	0949	4.0	23.05	5.96	288.4	17.6	1.35	125.9	6.61	"	"
5	B	0953	~~5.0~~	23.28	6.00	289.3	17.7	1.46	124.0	5.82	"	" 4.88
6	B	0957	5.4	23.42	5.99	290.0	17.7	1.54	122.8	4.30	"	"
7	B	1001	5.8	23.56	5.99	291.4	17.8	1.58	122.1	4.59	"	"
8	B	1005	6.2	23.64	6.00	292.3	17.8	1.70	121.9	3.88	"	"
9	B	1009	6.6	23.69	5.99	292.5	17.8	1.68	122.0	2.44	"	"
10	B	1013	7.0	23.71	5.99	293.3	17.8	1.71	121.8	2.24	"	"
11	B	1017	7.4	23.72	6.01	293.3	17.8	1.72	121.8	2.18	"	"
12	~~B~~											
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 Luftfoom (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-53F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 061124-09

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) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/11/24	10:02	9.35	—	12.8	—	3.45	X 1	0.56
/ /	:	—	—	—	—	—	X 3	1.68

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	6/11/24	11:00	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	---	✓
VOA Glass*	/ /	:		—	40ml	HCL	YES	NO	---	
Amber Glass*	6/11/24	11:00	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1008 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1012	0.8	9.62	7.34	643	15.4	1.72	95.0	100.1	Slightly cloudy Trace SS
2	B	1016	1.6	9.63	7.33	645	15.5	1.81	91.2	65.63	" "
3	B	1020	2.4	9.64	7.34	645	15.5	1.83	87.9	54.42	" "
4	B	1024	3.2	9.63	7.35	639	15.5	1.60	84.7	28.55	Clear colorless
5	B	1028	4.0	9.64	7.35	635	15.5	1.41	81.8	22.70	" "
6	B	1032	4.8	9.63	7.35	635	15.5	1.35	79.2	16.73	" "
7	B	1036	5.6	9.63	7.35	633	15.6	1.23	77.8	11.39	" "
8	B	1040	6.4	9.64	7.37	632	15.6	1.15	75.6	12.82	" "
9	B	1044	7.2	9.64	7.36	633	15.6	1.11	73.7	9.30	" "
10	B	1048	8.0	9.63	7.37	631	15.7	1.07	72.3	9.99	" "
11	B	1052	8.8	9.64	7.38	630	15.7	1.04	70.4	10.18	Clear colorless
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

SS = Suspended Sediment

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 SHROLL (PRINTED NAME) Dan Shroll (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-9-25

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061124-10

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:**	65 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product [Product Thickness]	DT-Bottom	DTB-DTP	DTB-DTW [Water Column]		Volume (gal) [Water Column x Gal/ft]
6/11/2024	10:51	25.37	—	27.6	—	2.23	X 1	0.36
/	—	—	—	—	—	—	X 3	1.09

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	6/11/24	11:35	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	---	✓
VOA Glass*	/	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	6/11/24	11:35	B	2	1L	HCl	YES	NO	---	✓
Total Bottles (include duplicate count):				12		**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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1059 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1103	1.0	25.71	6.45	327.7	16.3	1.71	140.5	2.63	Clear, colorless
2	B	1107	2.0	25.71	6.47	330.9	16.3	1.19	137.5	2.29	" "
3	B	1111	3.0	25.71	6.45	334.2	16.4	1.12	136.4	2.27	" "
4	B	1115	4.0	25.71	6.45	334.9	16.4	1.39	134.8	1.28	" "
5	B	1119	5.0	25.71	6.45	335.8	16.4	1.40	133.4	1.22	" "
6	B	1123	6.0	25.71	6.45	337.4	16.4	1.39	132.8	1.10	" "
7											
8											
9											
10											
11											
12											
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-52F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 061124-11

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:**	69	°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)
6/11/24	12:45	9.40	—	14.2	—	4.8	X 1 0.78
/—/	:	—	—	—	—	—	X 3 2.35

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	6/11/24	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	---	√
VOA Glass*	/—	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	6/11/24	13:30	B	2	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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 12:58 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1302	0.8	9.69	7.47	457.0	16.1	2.19	104.0	9.38	clear colorless
2	B	1306	1.6	9.73	7.43	445.2	16.0	2.47	98.5	11.30	" "
3	B	1310	2.4	9.73	7.44	420.8	16.1	2.43	91.6	9.73	" "
4	B	1314	3.2	9.72	7.44	402.0	16.2	2.35	86.8	8.72	" "
5	B	1318	4.0	9.75	7.43	393.6	16.1	2.29	84.0	9.98	" "
6	B	1322	4.8	9.75	7.42	386.4	16.2	2.11	80.5	8.70	" "
7	B	1326	5.6	9.75	7.43	384.2	16.3	2.06	79.0	7.47	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 SHROLL (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-23-27

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061124-12

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:**	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)
6/11/2024	12:52	24.81	—	30.3	—	5.49	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	6/11/24	14:00	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	---	√
VOA Glass*	↓	↓	↓	↓	40ml	HCL	YES	NO	---	
Amber Glass*	6/11/24	14:00	B	2	1L	HCl	YES	NO	---	√
Total Bottles (include duplicate count):				12		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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 13:00 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1.2	25.60	6.59	355.8	16.2	0.12	137.6	12.84	Clear, colorless
2	B	1308	2.0	25.89	6.64	354.3	15.4	0.13	126.3	15.76	" "
3	B	1312	2.6	26.01	6.64	359.0	15.6	0.46	117.1	11.90	" "
4	B	1316	3.2	26.09	6.67	363.7	15.8	0.73	106.7	6.67	" "
5	B	1320	3.8	26.16	6.74	364.3	15.8	0.81	90.3	5.21	" "
6	B	1324	4.4	26.21	6.83	362.9	16.0	0.82	82.7	5.13	" "
7	B	1328	5.0	26.25	6.80	363.4	16.0	0.86	72.1	3.29	" "
8	B	1332	5.6	26.26	7.08	364.5	16.1	0.89	61.4	2.90	" "
9	B	1336	6.2	26.27	7.23	364.3	15.9	0.94	49.1	2.83	" "
10	B	1340	6.8	26.28	7.12	361.5	15.9	0.96	43.3	1.98	" "
11	B	1344	7.4	26.29	7.02	362.5	15.7	0.96	40.1	1.98	" "
12	B	1348	8.0	26.29	6.99	359.8	15.7	0.96	36.1	1.66	" "
13	B	1352	8.6	26.30	6.96	359.4	15.7	0.96	34.2	2.53	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: Dovy Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-46F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061124-13

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:**	73	°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]
6/11/24	14:27	9.08	—	19.6	—	10.52	X 1: 1.71
							X 3: 5.14

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	6/11/24	15:10	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	---	✓
VOA Glass*	/ /	:		—	40ml	HCL	YES	NO	---	
Amber Glass*	6/11/24	15:10	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 x 3 = 36 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1434 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1438	2.0	9.12	7.19	155.9	14.4	0.74	52.5	19.18	Clear Colorless
2	B	1442	4.0	9.12	7.17	94.1	14.5	0.70	45.0	15.19	" "
3	B	1446	6.0	9.12	7.19	83.0	14.5	0.66	40.4	19.85	" "
4	B	1450	8.0	9.12	7.15	81.7	14.5	0.68	37.8	20.85	" "
5	B	1454	10.0	9.12	7.07	81.2	14.5	0.70	41.9	22.45	" "
6	~~B~~	~~1458~~	~~12.0~~								
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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 SNROLL (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-21-12

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061224-14

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:**	64 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 96% [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/11/24	09:23	13.10	—	15.5	—	2.40	X 1	0.39
6/12/24	09:15	13.20	—	15.5	—	2.36	X 3	1.17

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	6/12/24	09:30	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	6/12/24	09:30	B	2	125ml	None	YES	NO	---	√
Green Poly	6/12/24	09:30	B	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	6/12/24	09:30	B	1	250ml	HNO_3	YES	NO	---	√
VOA Glass*	— / —	— : —	—	—	40ml	HCL	~~YES~~	~~NO~~	---	—
Amber Glass*	6/12/24	09:30	B	1	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): ~~12~~ 11 Note 1 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)~~		

WATER QUALITY DATA Purge Start Time: 0930 **Sampling Method**: (A) 3X volume purge ~~(B) Low-flow~~ (C) Grab (D) Went dry (E) 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	0931	1.2	14.80	7.38	1096	16.2	0.55	124.2	14.24	clear, colorless
2	B	0934	1.8	15.38	7.31	925	16.3	0.78	113.3	19.69	
3	D	—	well	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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

↓ Flow reduced.

Note 1 - only 1 amber for Dx filled the tow well got very dry with minimal recharge

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: C. Fuller DSHROLL

(PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-8-15

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS- 061224 — 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:**	54 °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)
6/12/2024	09:16	16.51	—	17.2	—	0.69	X 1	0.11
6/12/2024	10:42	16.50	—	17.2	—	0.70	X 3	0.33

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	6/12/24	10:50	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	---	✓
VOA Glass*	—	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	6/12/24	10:50	B	2	1L	HCl	YES	NO	---	✓
Total Bottles (include duplicate count):				12		**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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 0928 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	16.89	6.18	456.7	14.3	0.71	165.7	28.14	slight orange tint
2	B	0936	1.4	17.08	6.26	446.2	14.7	0.52	160.8	10.87	clear, colorless
3	D	0938	well 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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

Needed to return several times to collect adequate volume of sample

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 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** MW-51F

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061224-16

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)
6/12/24	10:08	24.66	—	29.20	—	4.54	X 1 0.74
/	:	—	—	—	—	—	X 3 2.22

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	6/12/24	10:58	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	6/12/24	10:58	B	2	125ml	None	YES	NO	---	✓
Green Poly	6/12/24	10:58	B	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	6/12/24	10:58	B	1	250ml	HNO_3	YES	NO	---	✓
VOA Glass*	/	:			40ml	HCL	YES	NO	---	
Amber Glass*	6/12/24	10:58	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (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)		

WATER QUALITY DATA Purge Start Time: 1023 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	1027	0.4	24.67	6.25	379.8	14.8	0.31	152.9	24.62	Clear, colorless
2	B	1031	0.8	24.68	6.24	333.1	14.7	0.65	151.3	14.55	Clear, colorless
3	B	1035	1.2	24.68	6.25	318.9	14.7	0.82	149.6	13.82	" "
4	B	1039	1.6	24.67	6.24	315.3	14.6	0.96	149.3	13.83	" "
5	B	1043	2.0	24.66	6.29	315.4	14.6	0.99	148.8	11.80	" "
6	B	1047	2.4	24.66	6.26	314.9	14.6	1.00	147.3	11.36	" "
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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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: C. Fuller D SHROLL
(PRINTED NAME)

(SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 300, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: 2Q 2024 Groundwater Mon. 000029-02.91 **WELL ID:** OW-7-17

SITE ADDRESS: 7900 NW St Helens Rd, Portland **BLIND ID:** GS-061224-17

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:**	58	°F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 96%

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/12/2024	09:51	16.42	—	20.0	—	3.58	X 1	0.58
6/12/2024	13:24	16.58	—	20.0	—	3.42	X 3	1.74

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	6/12/24	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	---	✓
VOA Glass*	//			—	40ml	HCL	YES	NO	---	
Amber Glass*	6/12/24	13:30	B	2	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 12 **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)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (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)

WATER QUALITY DATA Purge Start Time: 0958 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry (E) 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	17.47	6.61	477.6	16.0	0.09	142.2	35.02	Slight gray tint
2	B	1006	2.0	18.03	6.48	430.5	16.1	0.14	141.5	31.93	" " "
3	B	1010	2.6	18.40	6.50	432.6	16.4	0.28	138.4	28.74	" " "
4	B	1014	3.0	18.70	6.55	440.0	16.6	0.63	135.0	23.03	Very slight gray tint
5	B	1018	3.4	18.94	6.63	454.9	16.6	0.74	131.4	15.46	" " " "
6	A	1019	-Unable to low flow — increase pump speed								
7	D		-well went dry — allow to recharge.								
8											
9											
10											
11											
12											
13											
14											
15											

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

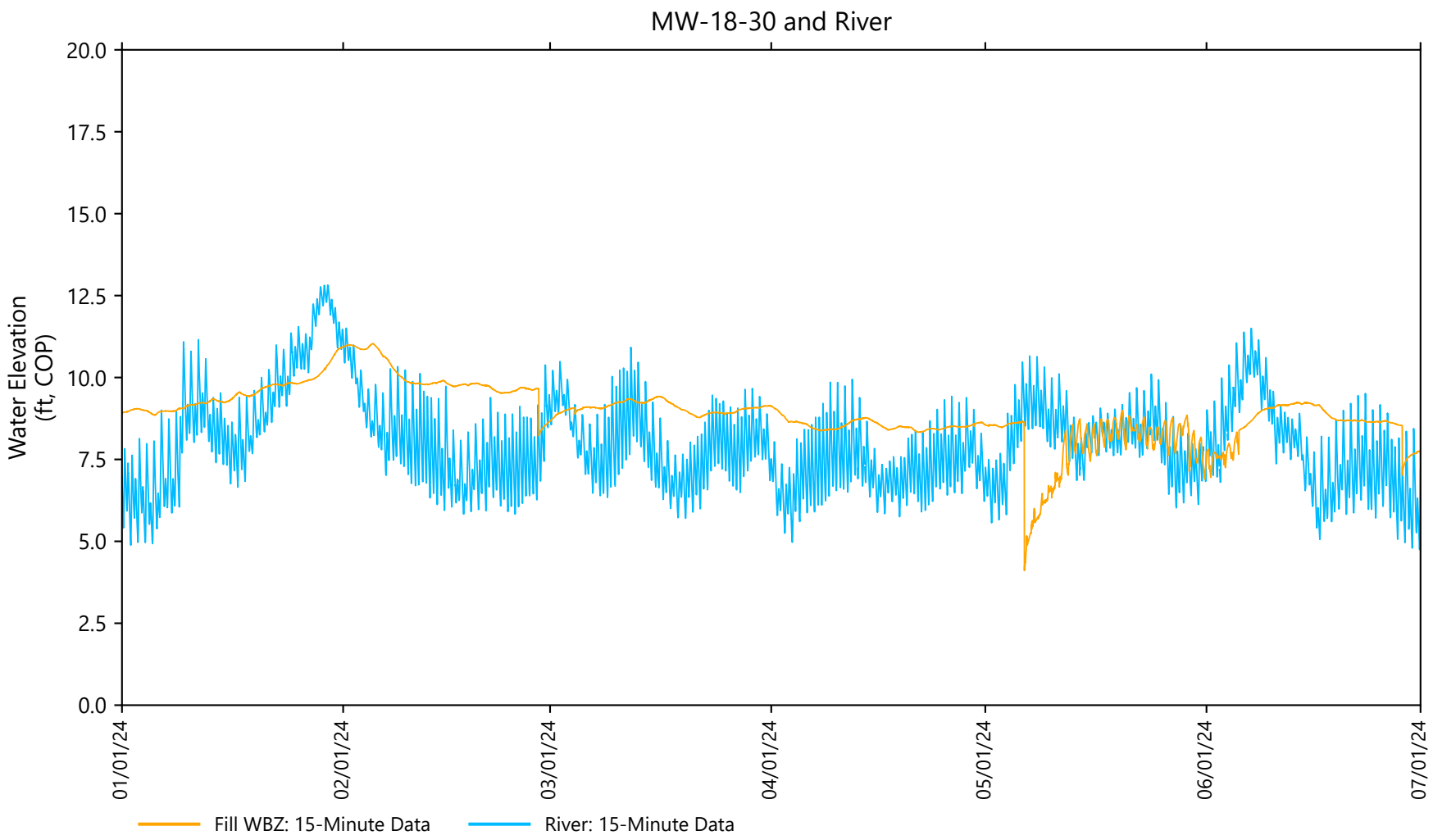
Comments: **Tides during purging (circle one):** Ebb (going out) ← Slack **Flood (coming in)**

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 NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL.

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)

Attachment D
Hydrographs

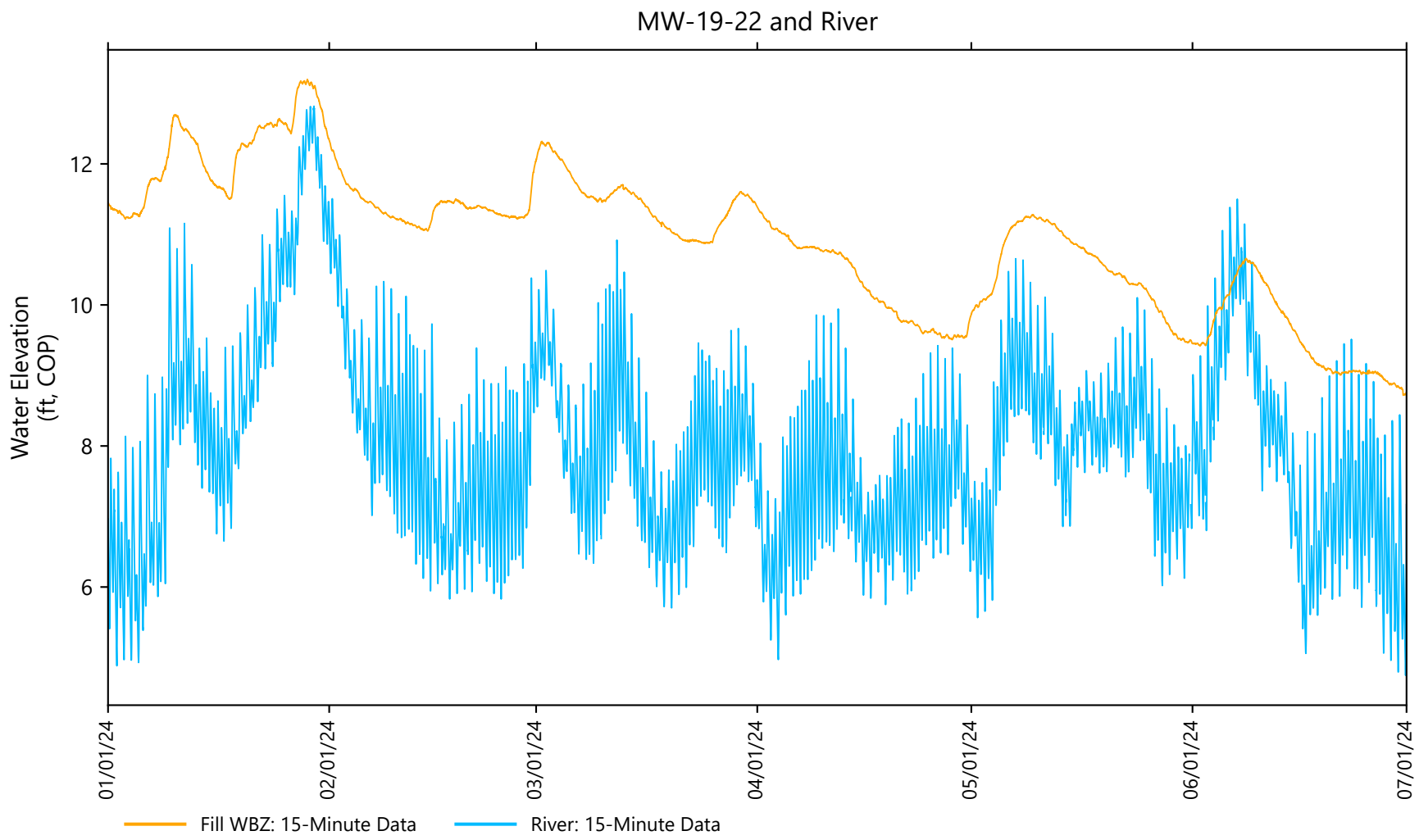


Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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ANCHOR QEA

Figure D-1
Groundwater Elevations – MW-18-30 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

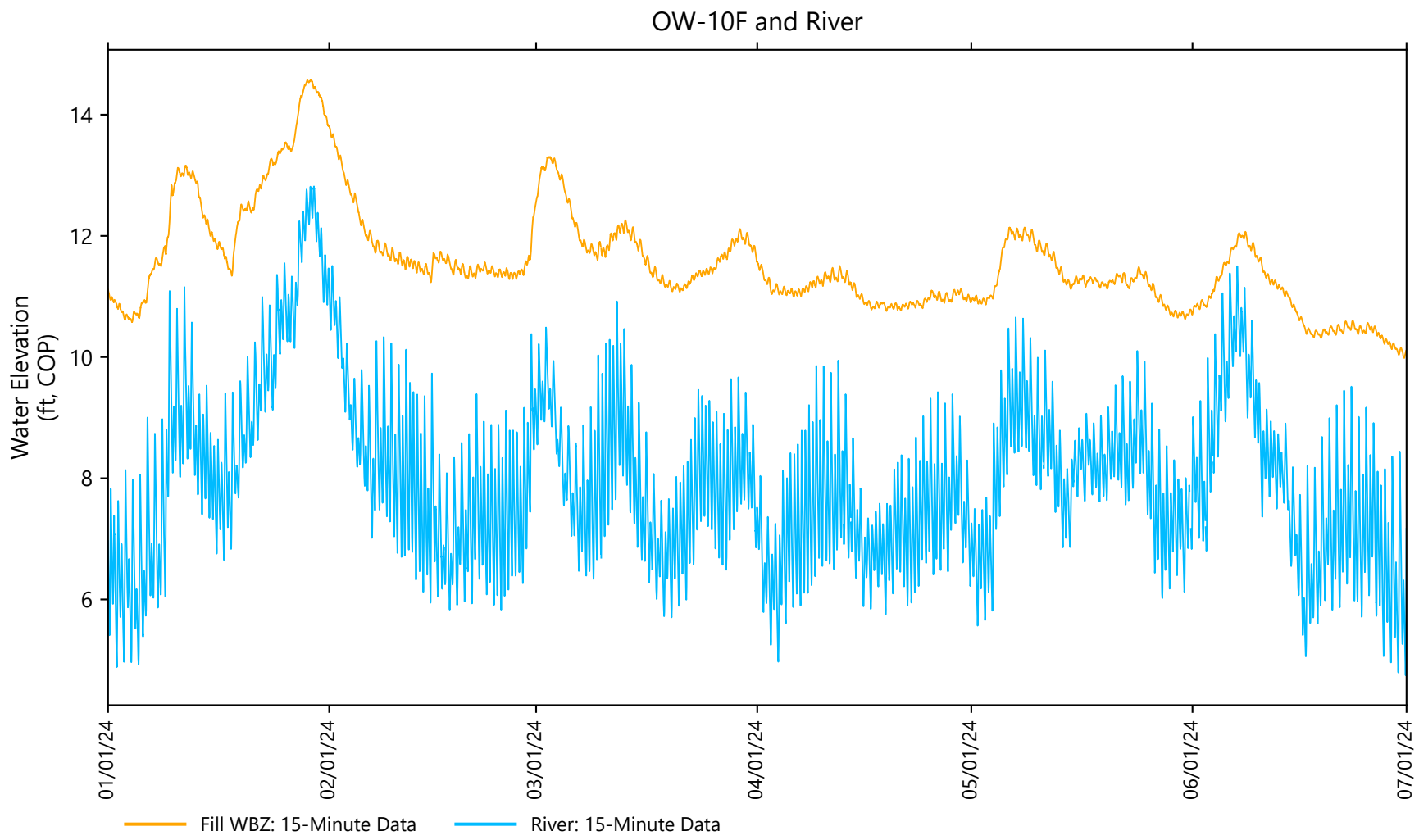


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ANCHOR QEA

Figure D-2
Groundwater Elevations – MW-19-22 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

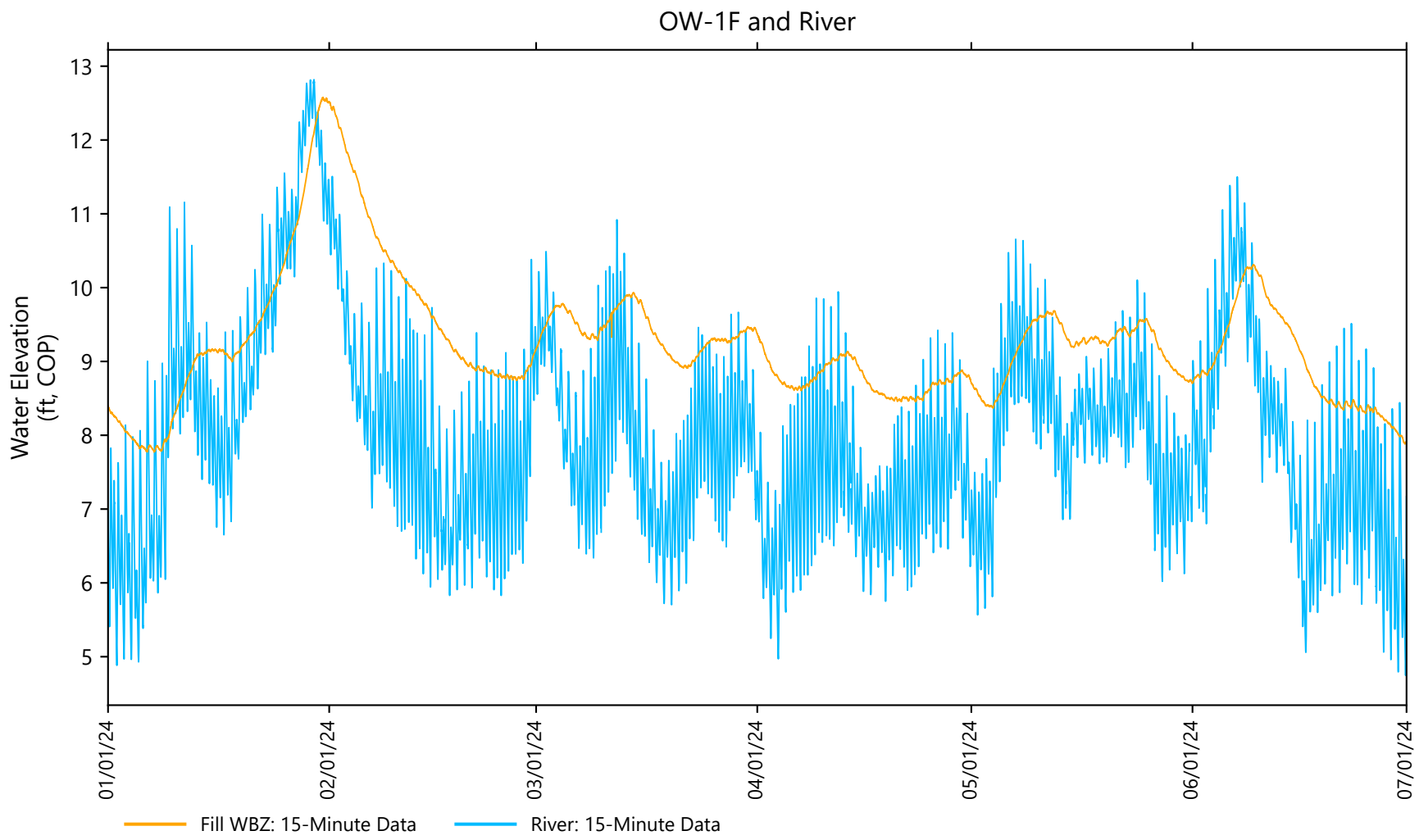


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WBZ: water-bearing zone

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ANCHOR QEA

Figure D-3
Groundwater Elevations – OW-10F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

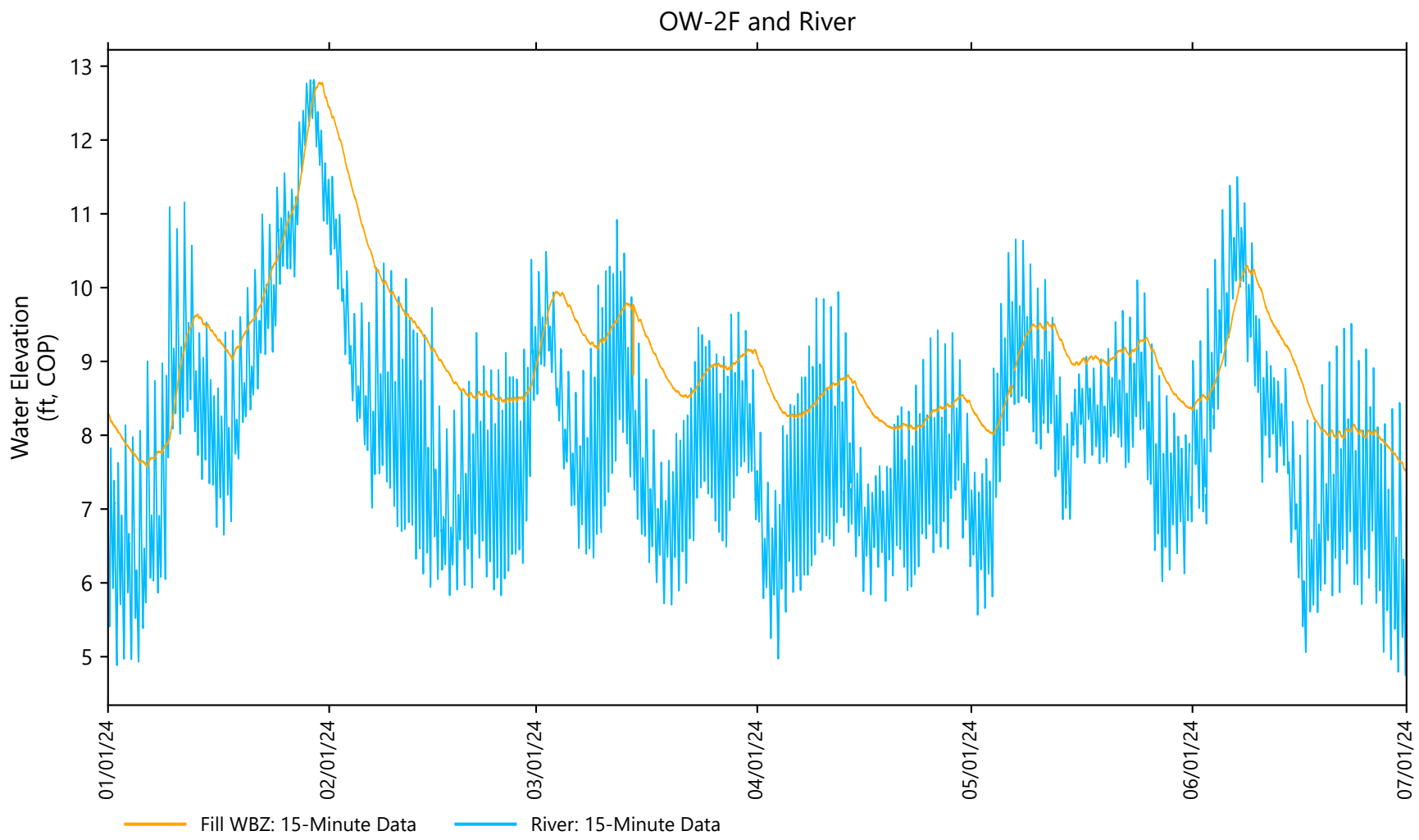


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WBZ: water-bearing zone

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ANCHOR QEA

Figure D-4
Groundwater Elevations – OW-1F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

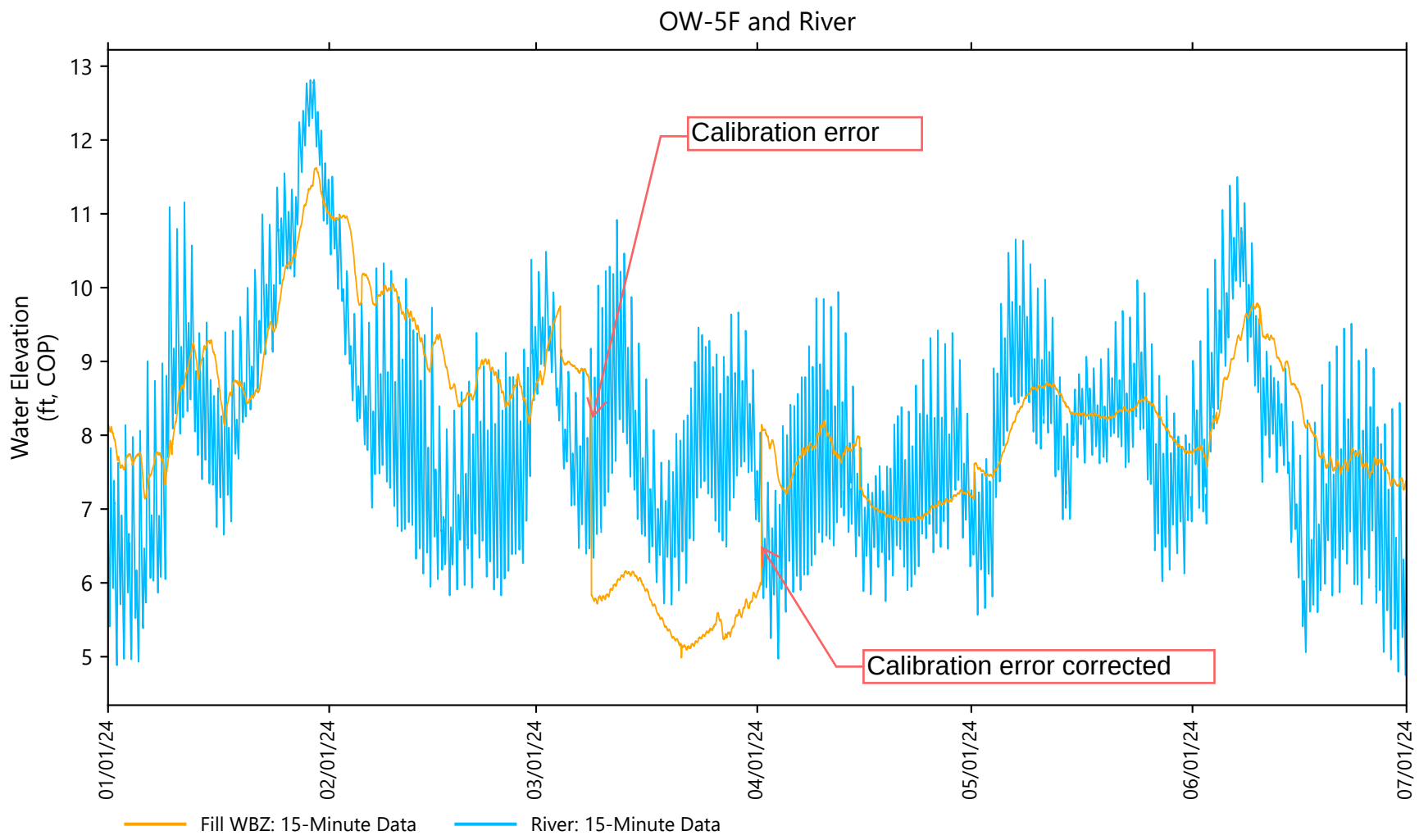


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WBZ: water-bearing zone

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ANCHOR QEA

Figure D-5
Groundwater Elevations – OW-2F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

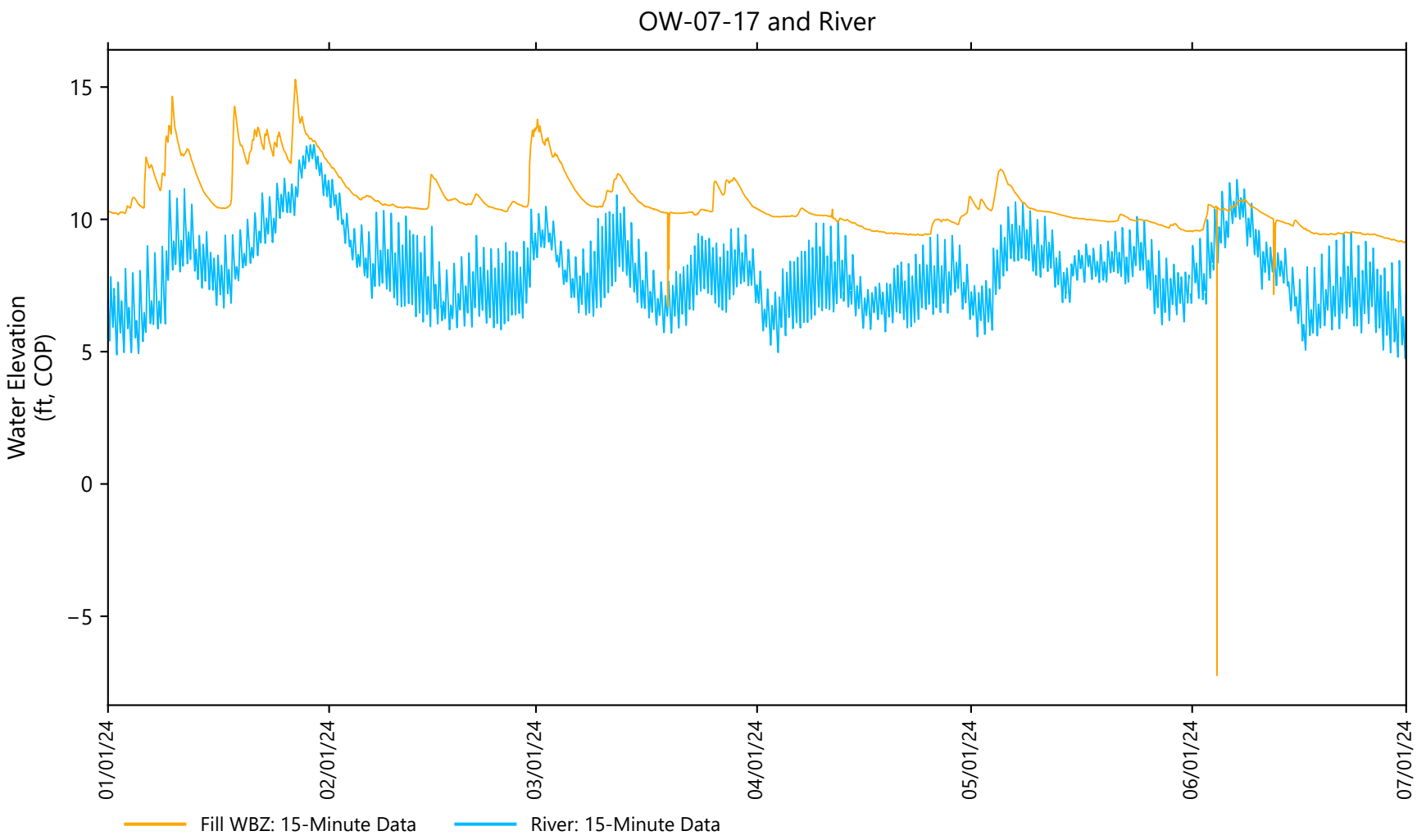


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WBZ: water-bearing zone

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ANCHOR QEA

Figure D-6
Groundwater Elevations – OW-5F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

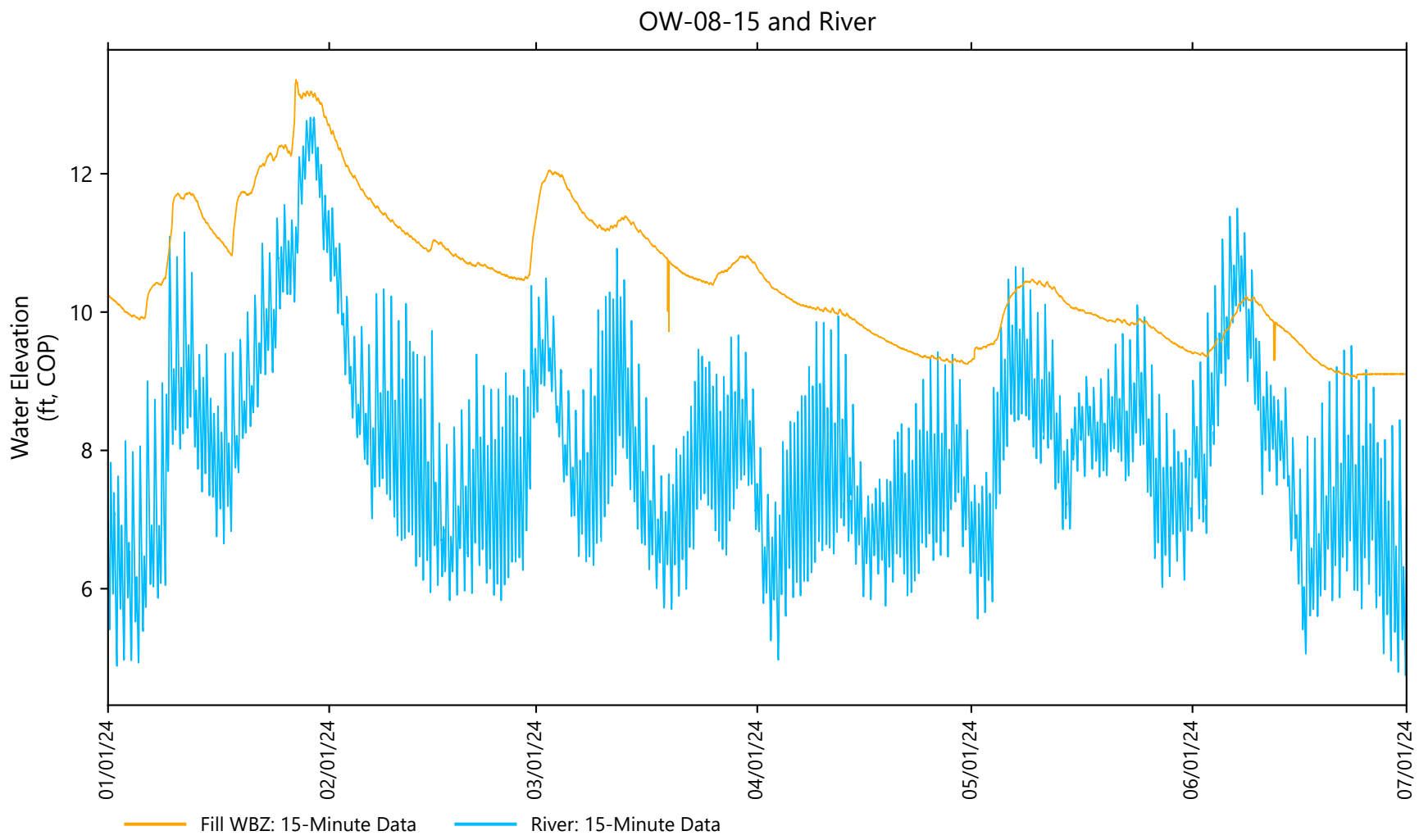


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WBZ: water-bearing zone

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ANCHOR QEA

Figure D-7
Groundwater Elevations – OW-7-17 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

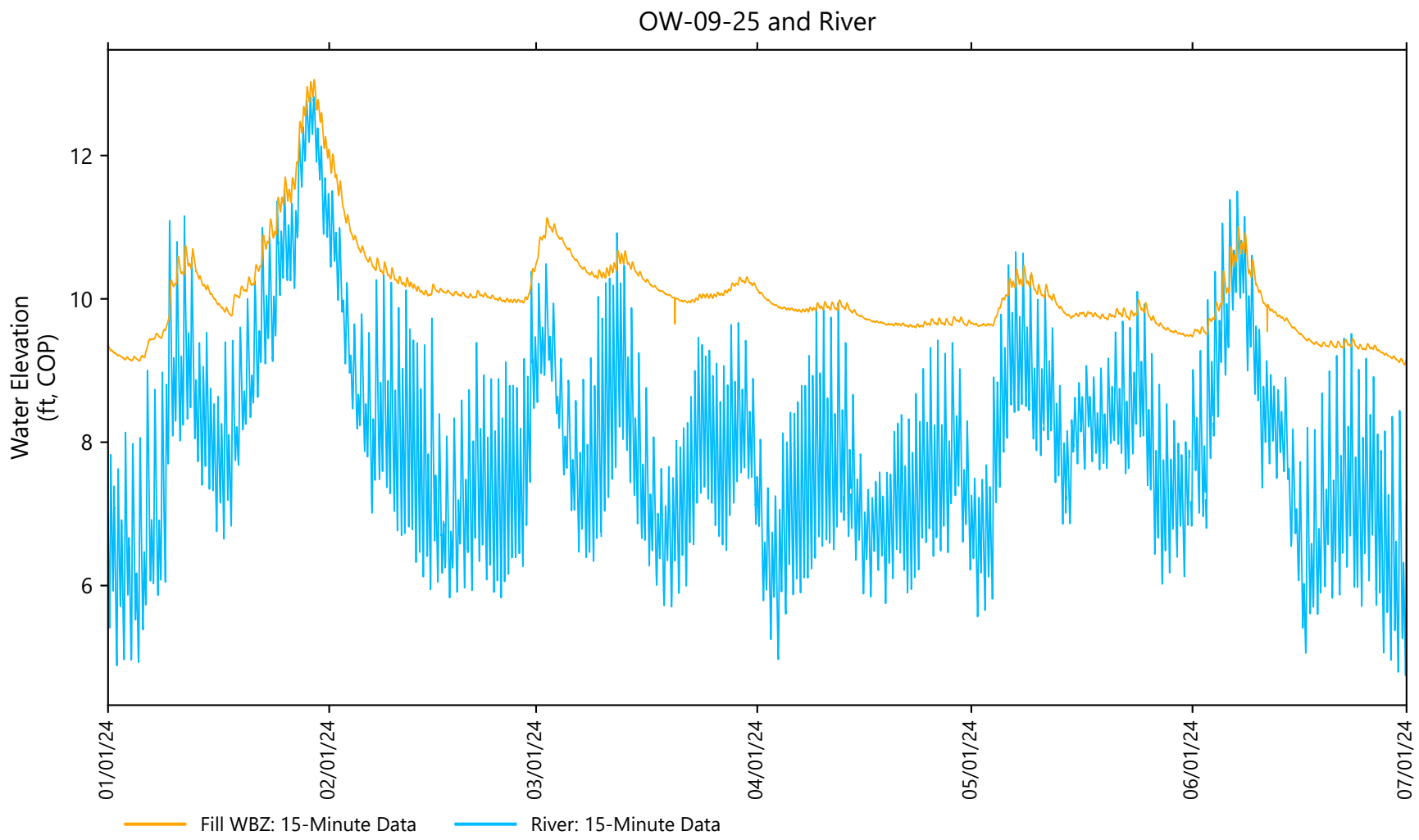


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WBZ: water-bearing zone

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ANCHOR QEA

Figure D-8
Groundwater Elevations – OW-8-15 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

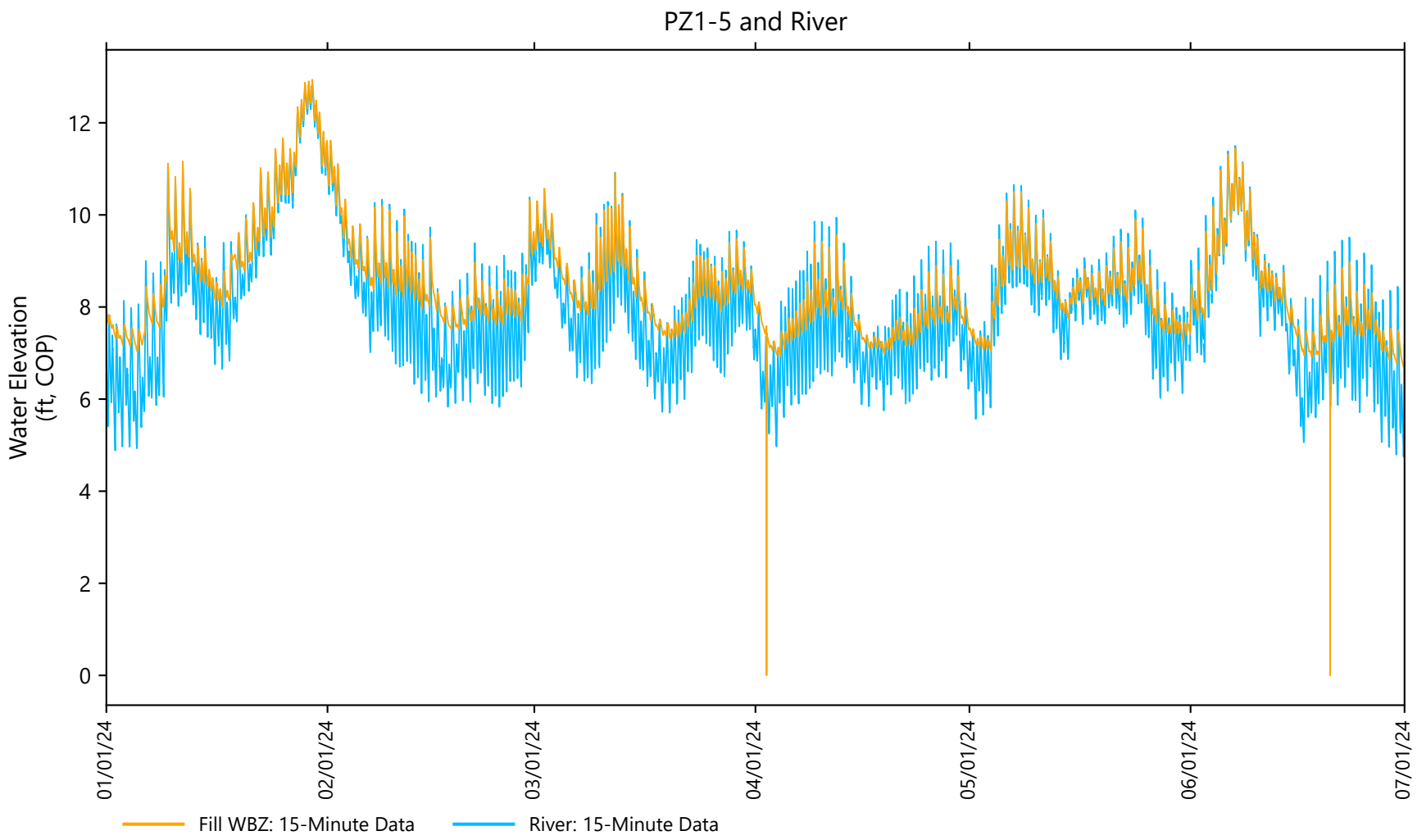


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WBZ: water-bearing zone

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ANCHOR QEA

Figure D-9
Groundwater Elevations – OW-9-25 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

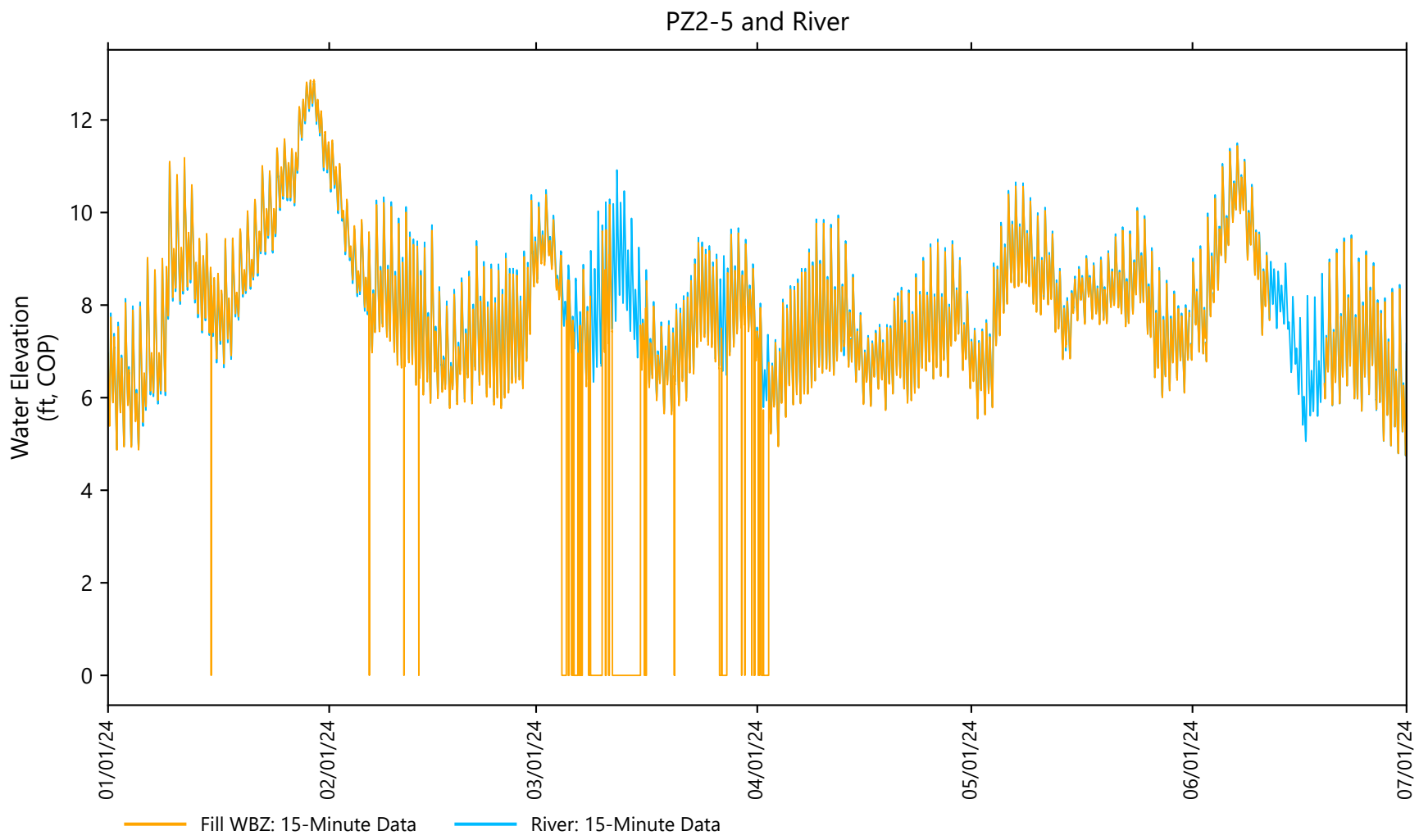


Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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Figure D-10
Groundwater Elevations – PZ1-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

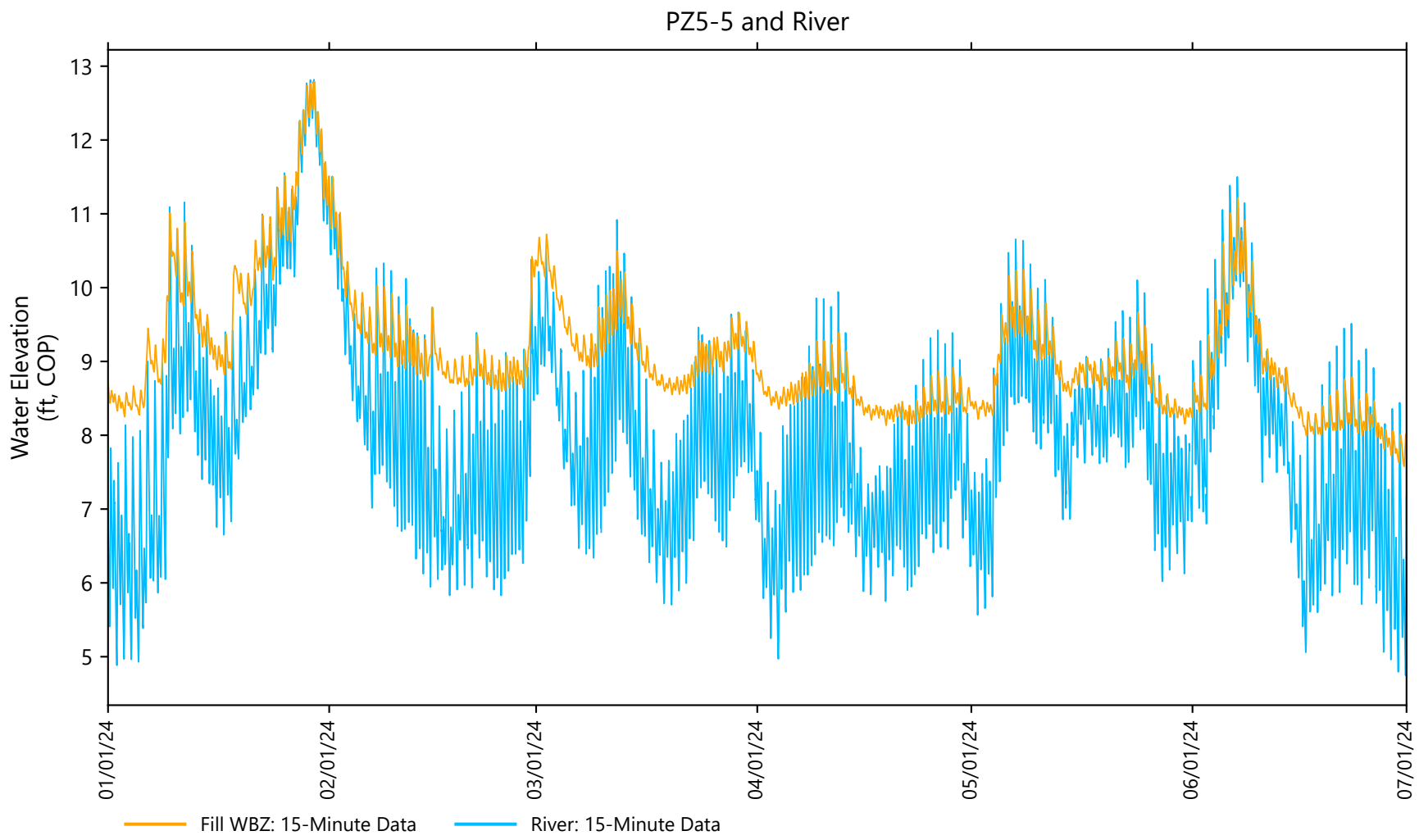


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Figure D-11
Groundwater Elevations – PZ2-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

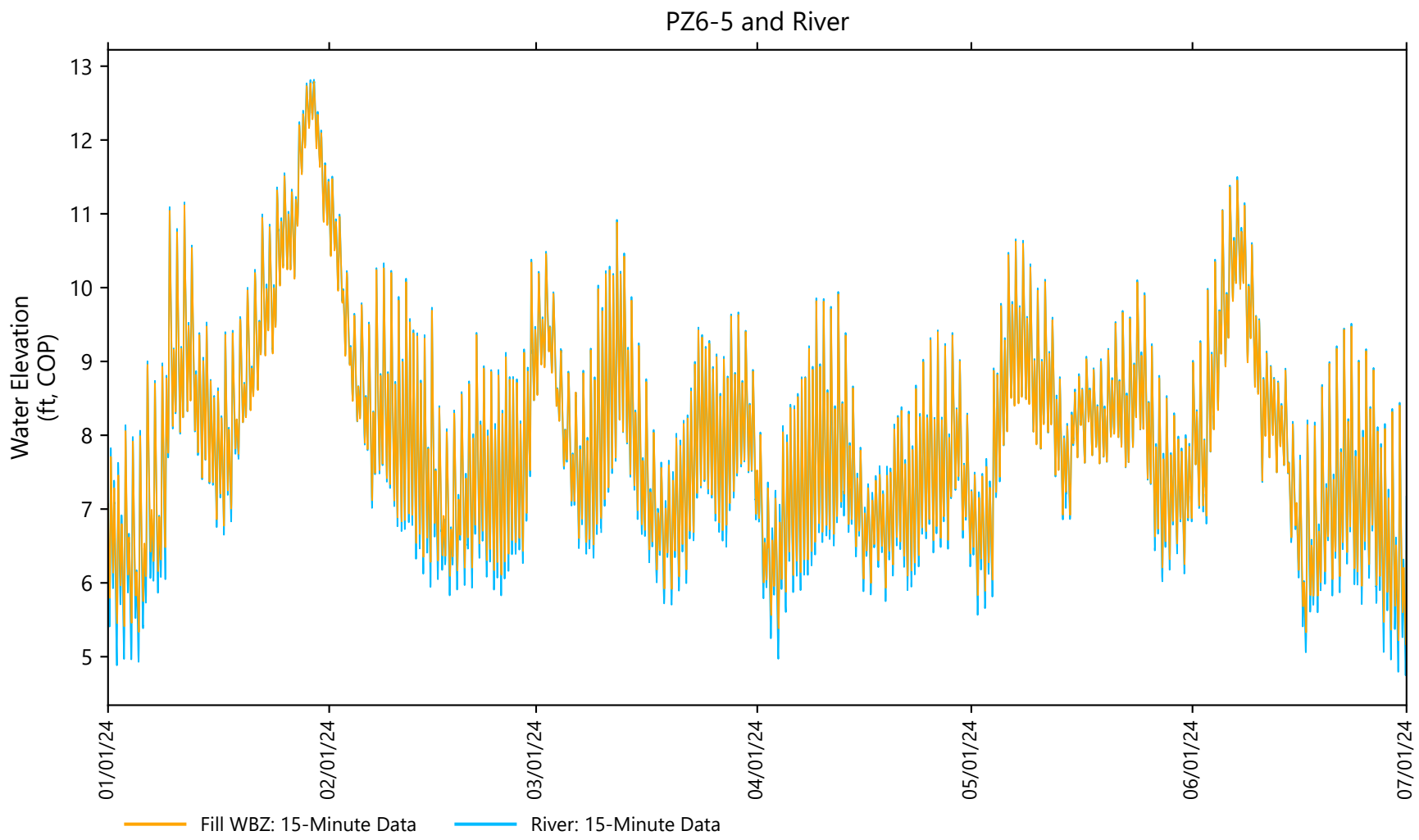


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Figure D-12
Groundwater Elevations – PZ5-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

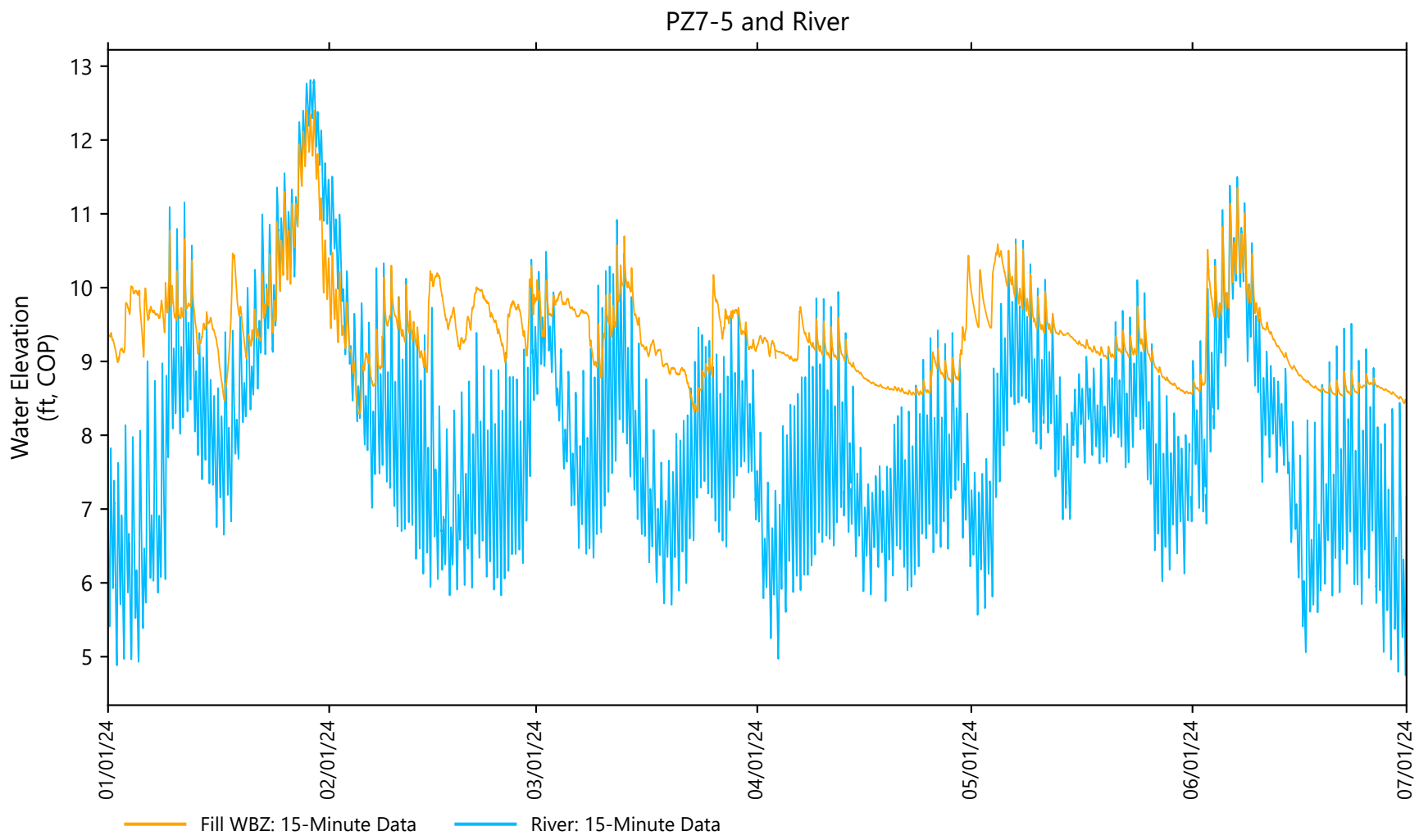


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Figure D-13
Groundwater Elevations – PZ6-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

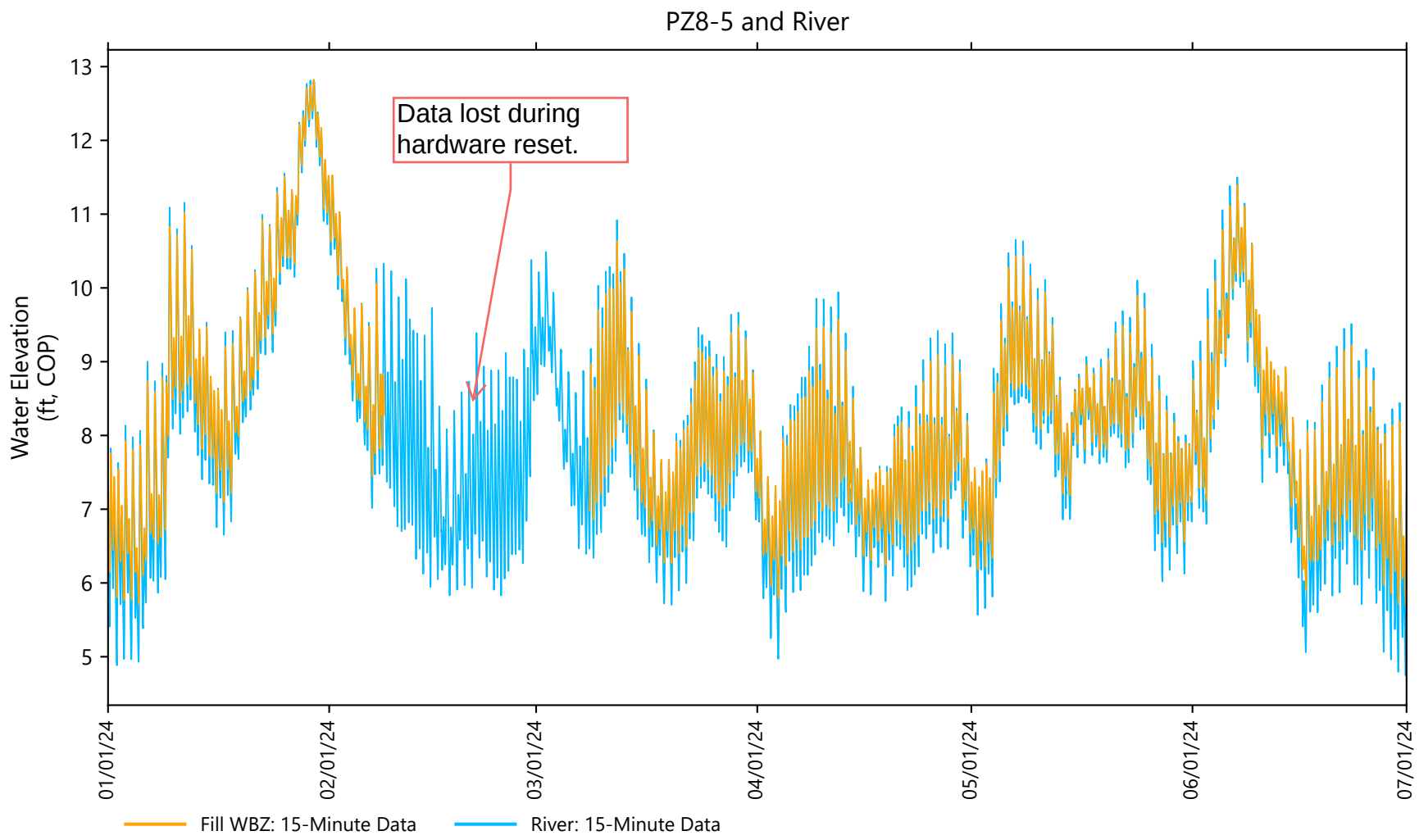


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Figure D-14
Groundwater Elevations – PZ7-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

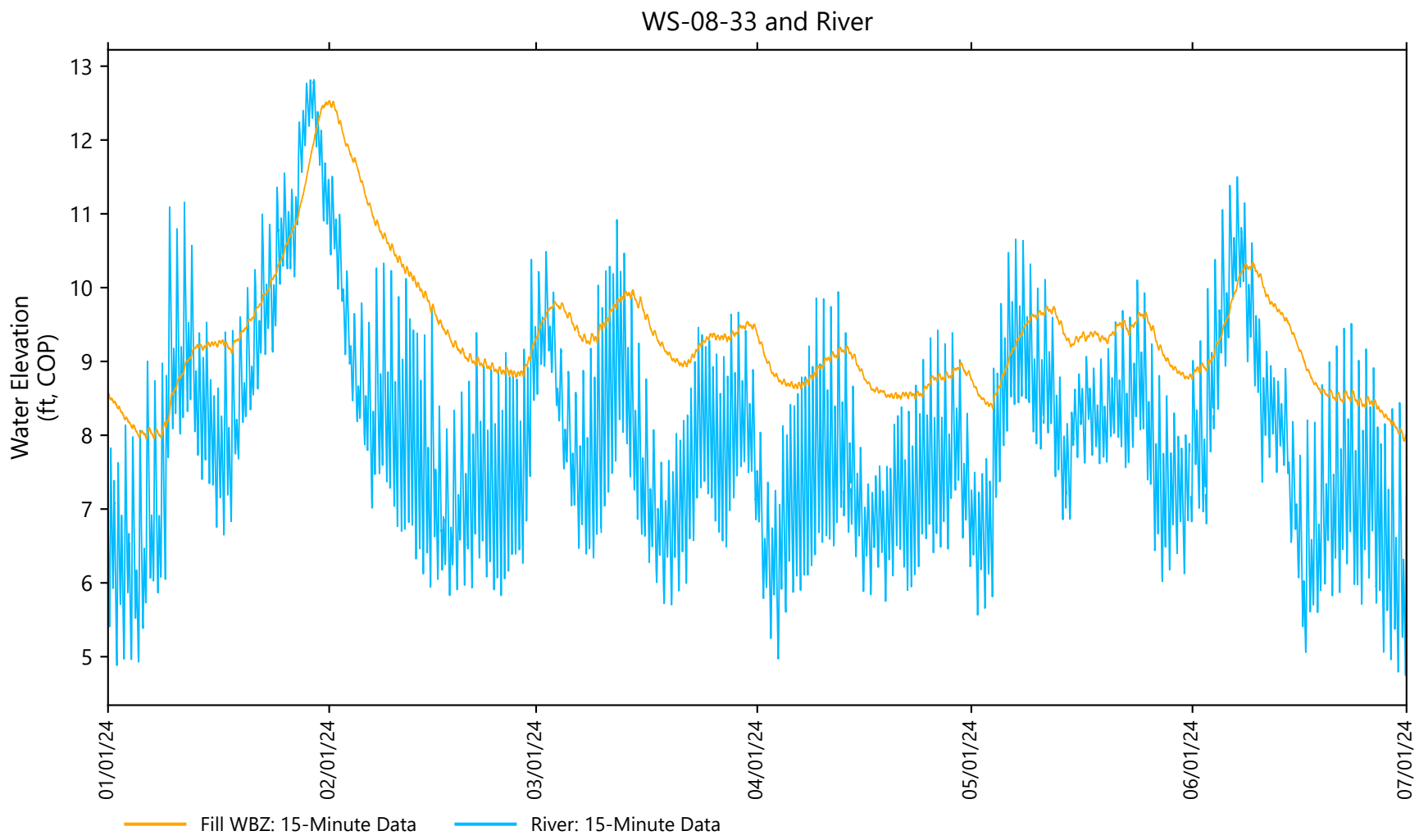


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Figure D-15
Groundwater Elevations – PZ8-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

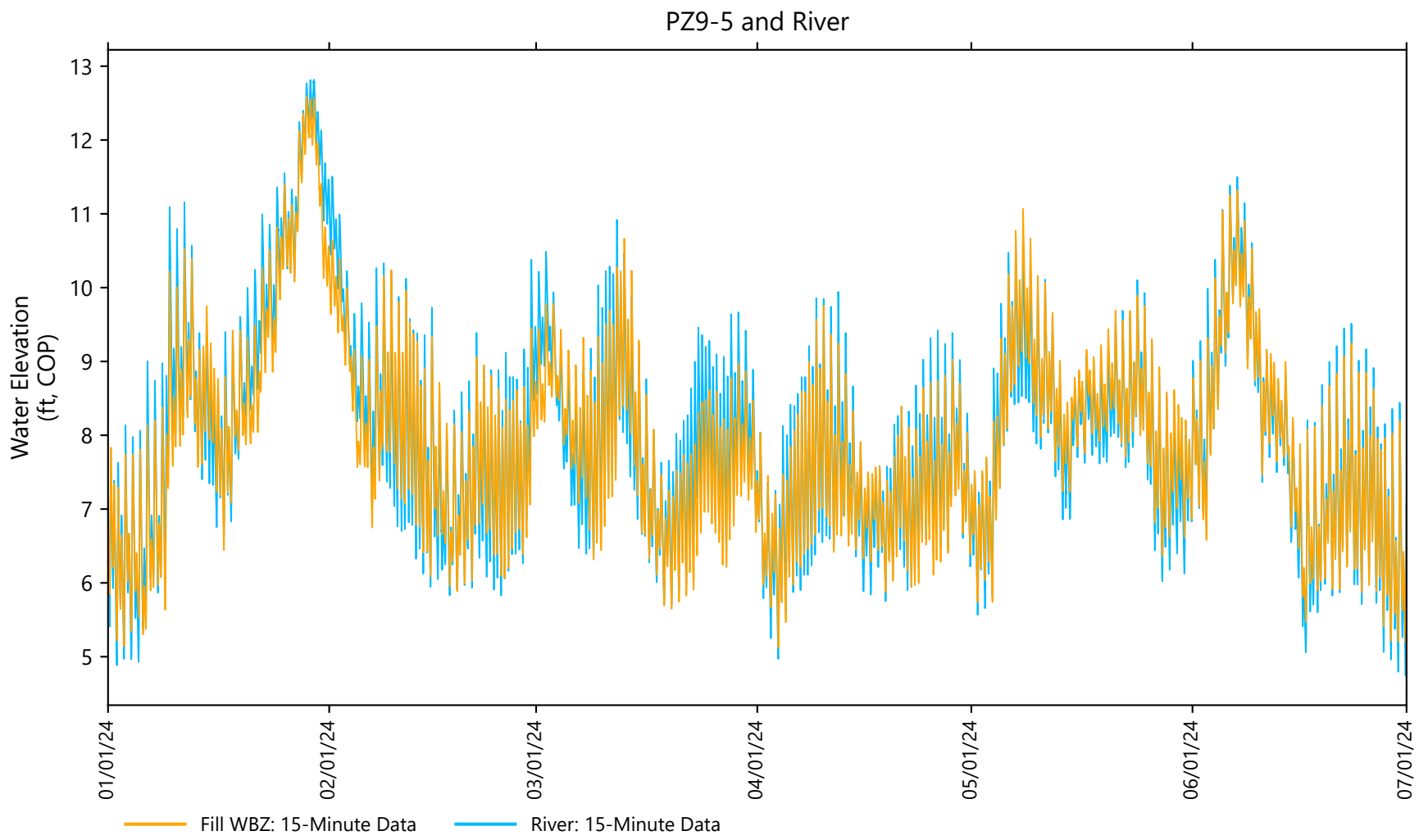


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Figure D-16
Groundwater Elevations – WS-8-33 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

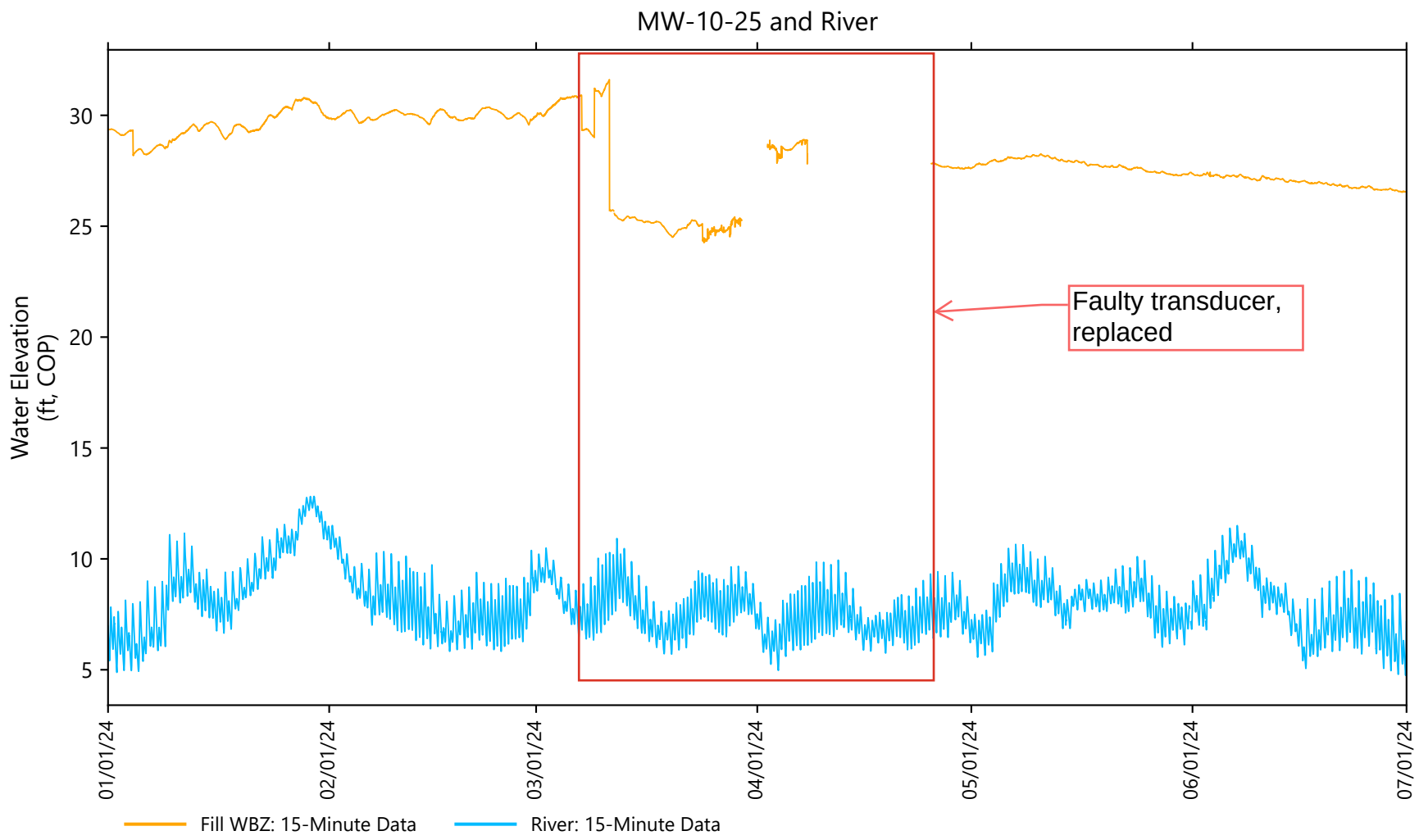


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Figure D-17
Groundwater Elevations – PZ9-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

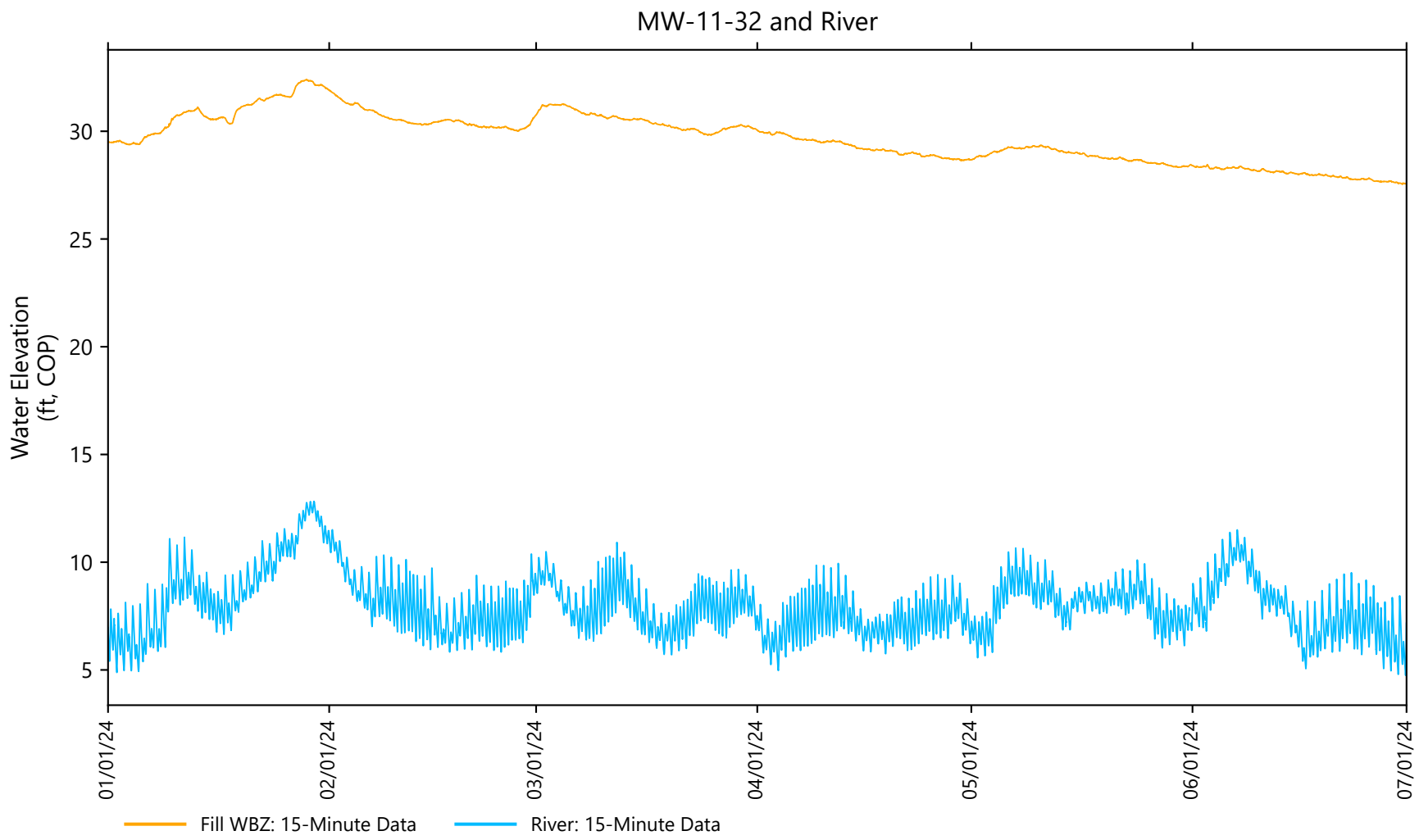


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Figure D-18
Groundwater Elevations – MW-10-25 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

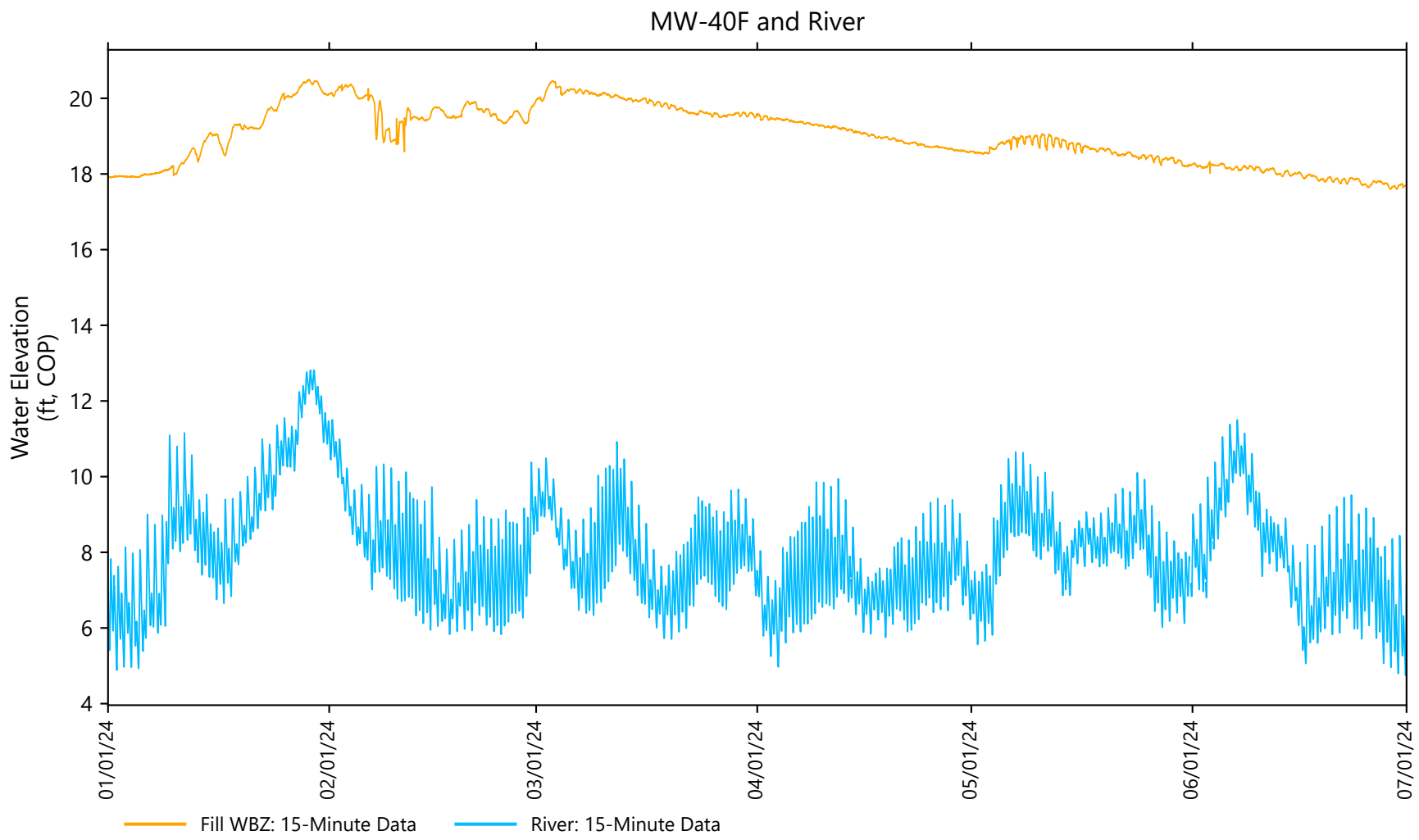


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WBZ: water-bearing zone

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Figure D-19
Groundwater Elevations – MW-11-32 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

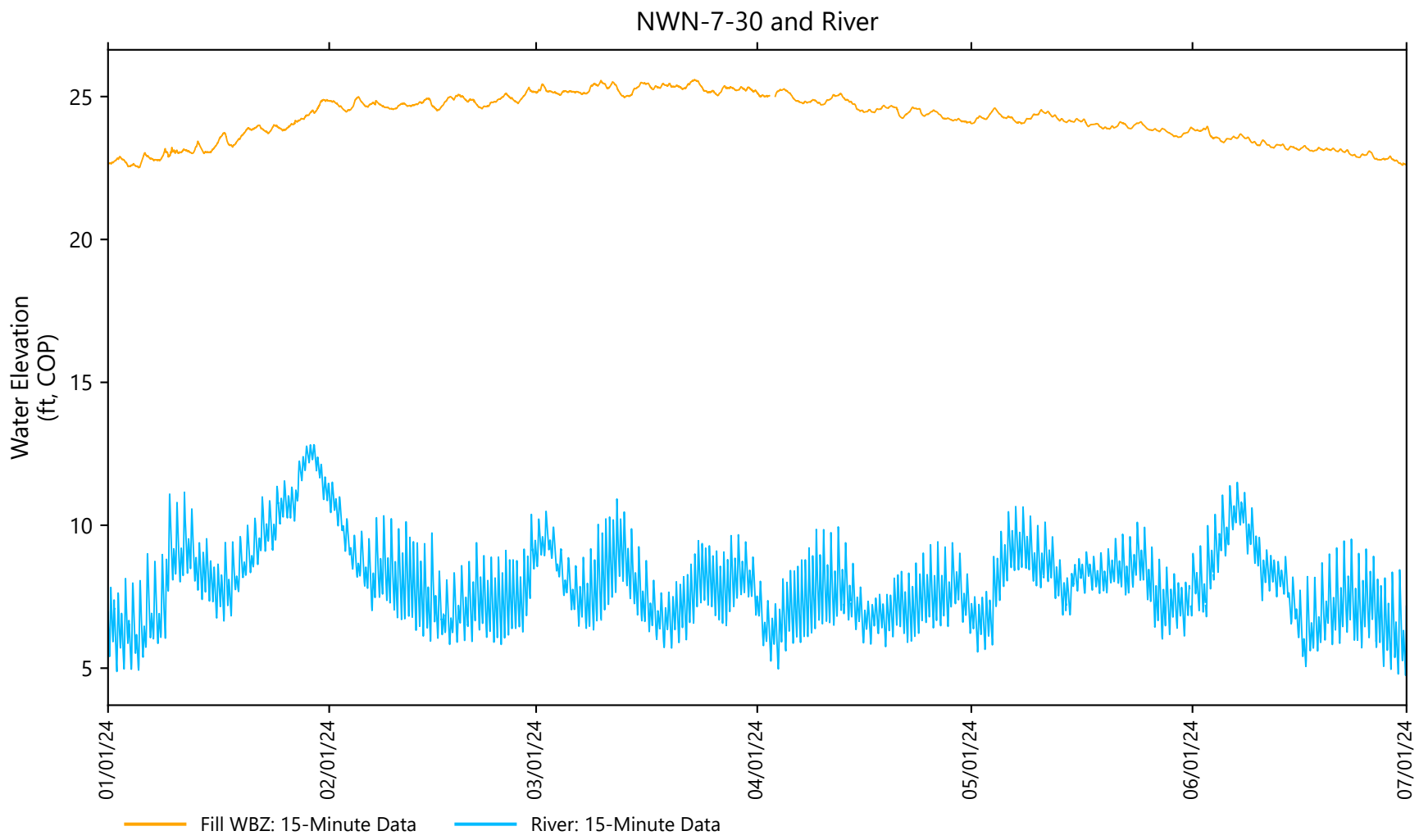


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Figure D-20
Groundwater Elevations – MW-40F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

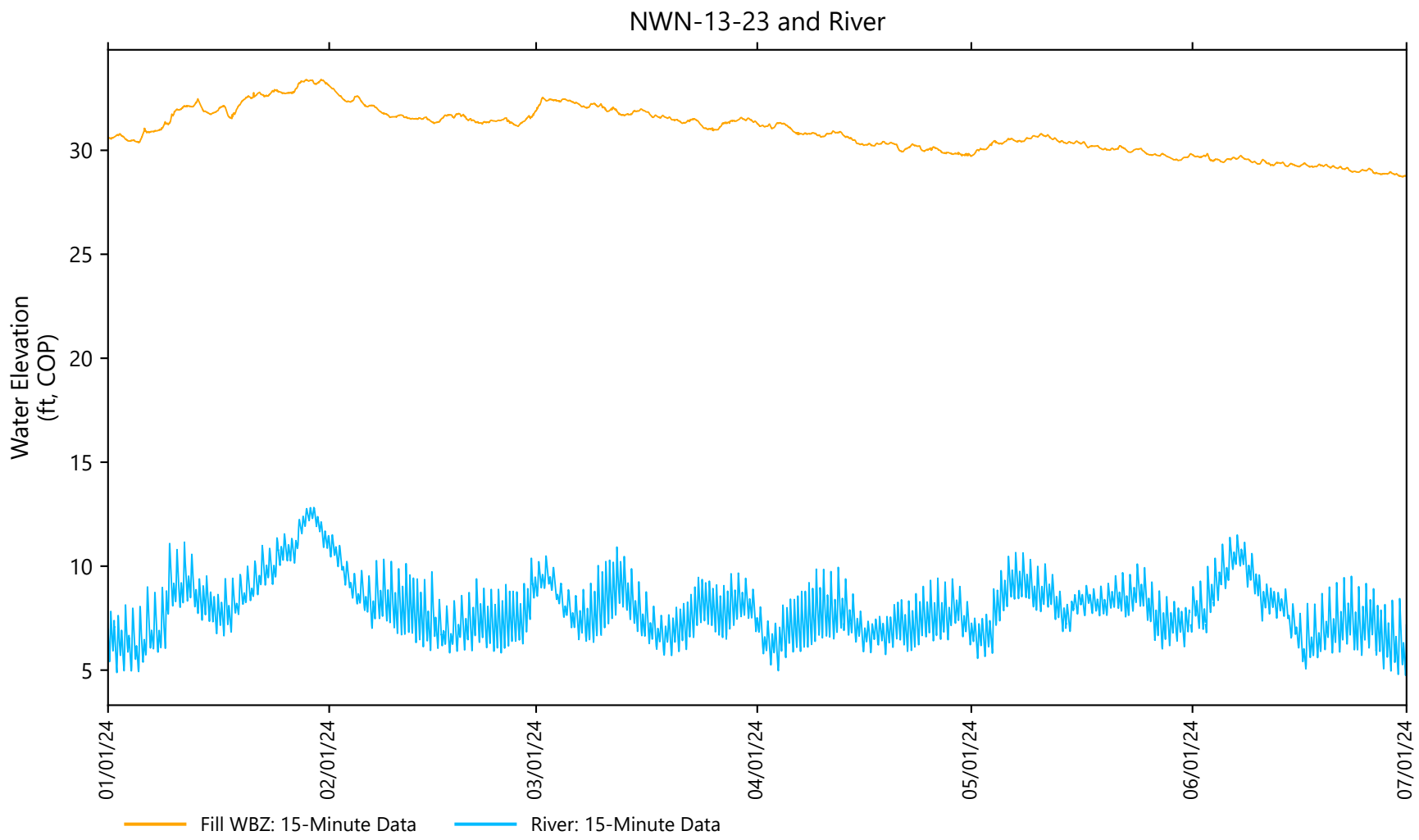


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Figure D-21
Groundwater Elevations – NWN-7-30 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

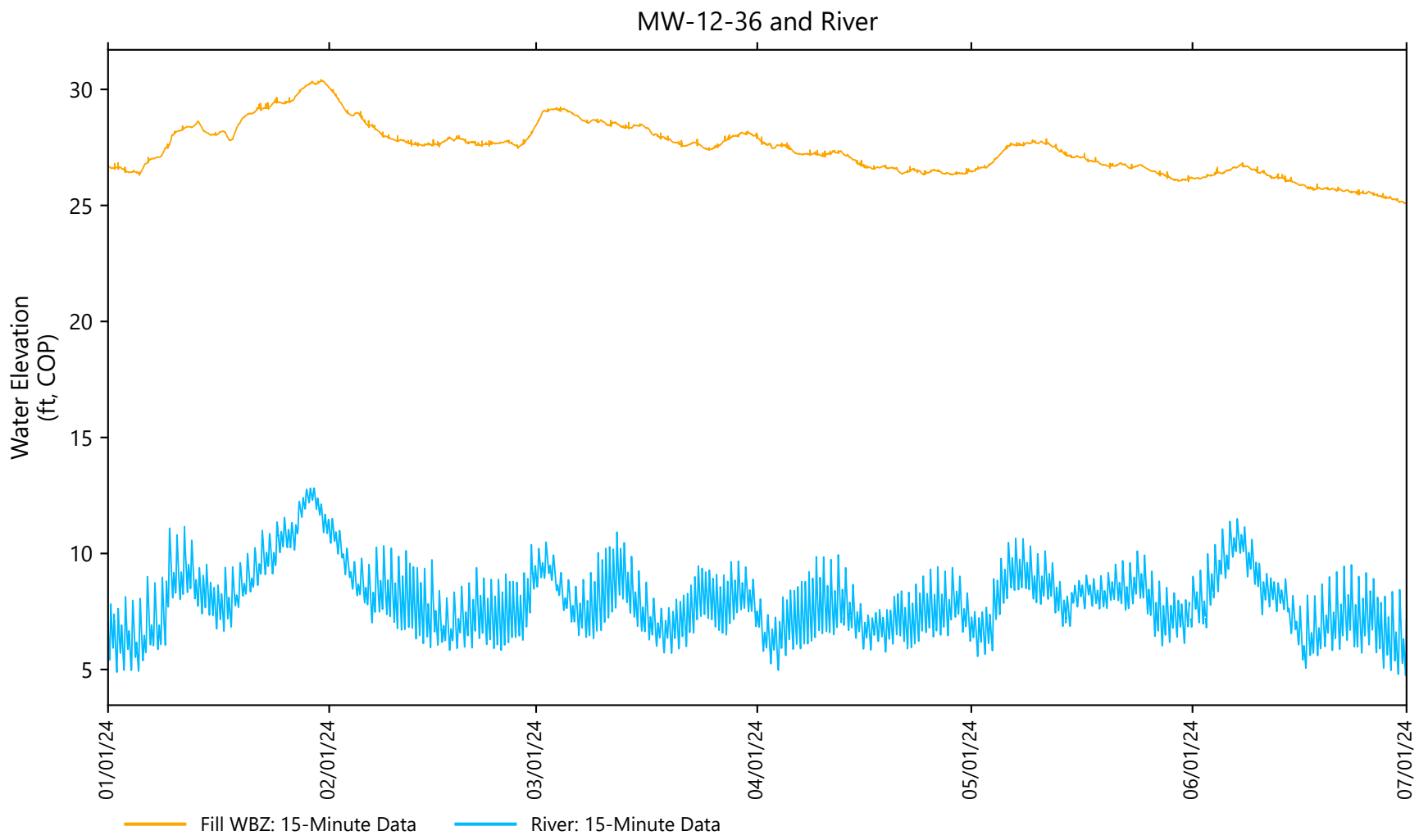


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Figure D-22
Groundwater Elevations – NWN-13-23 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

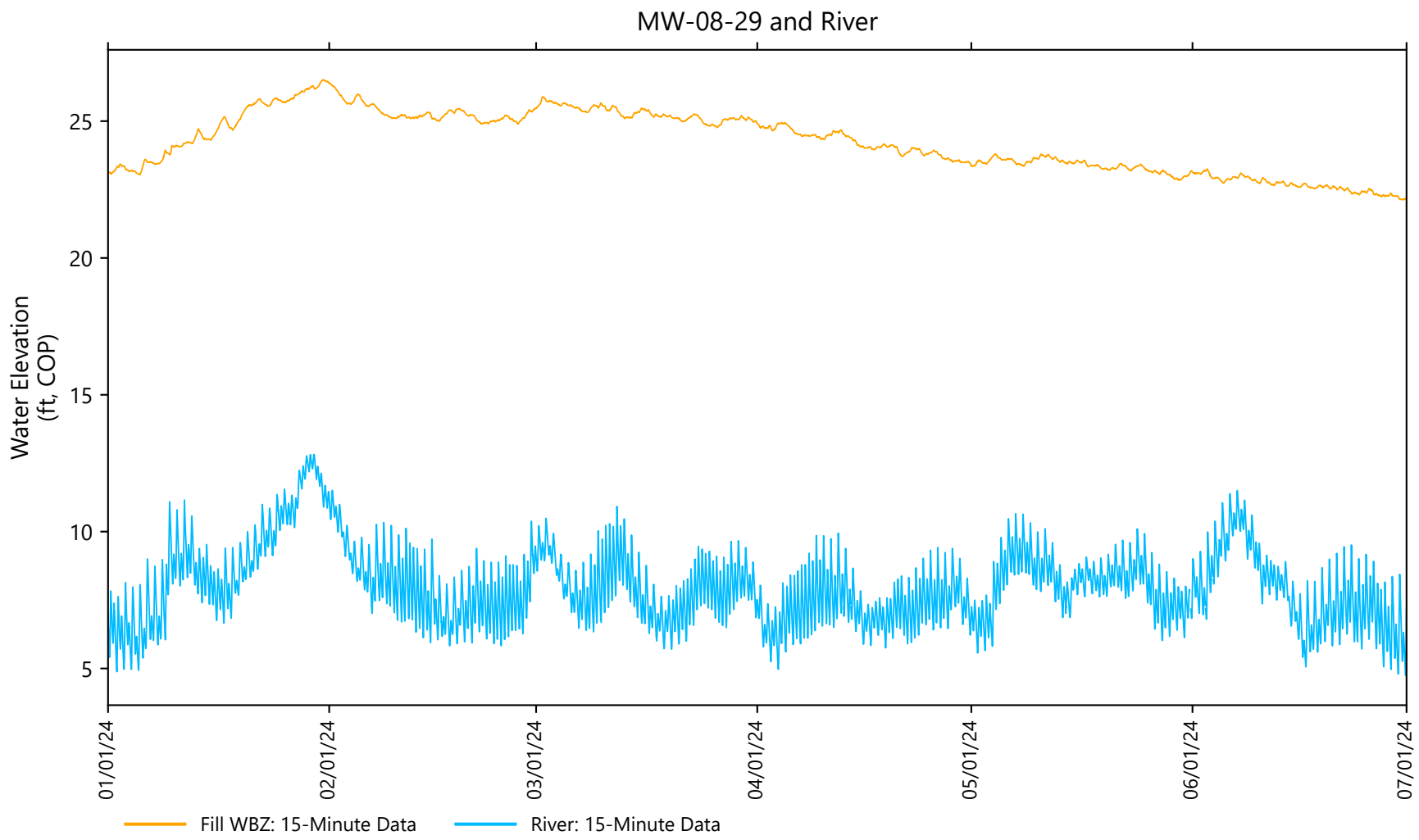


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Figure D-23
Groundwater Elevations – MW-12-36 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

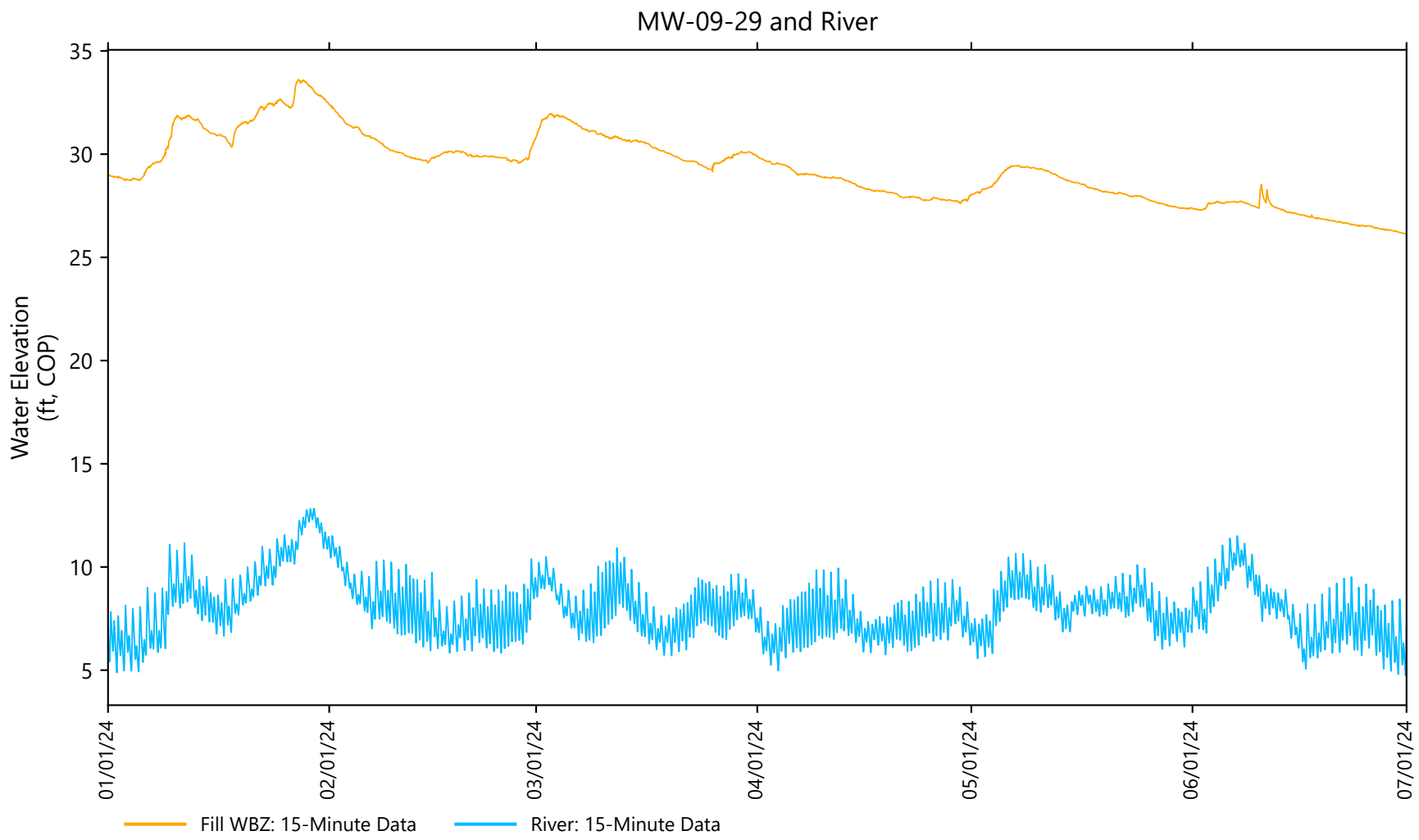


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Figure D-24
Groundwater Elevations – MW-8-29 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

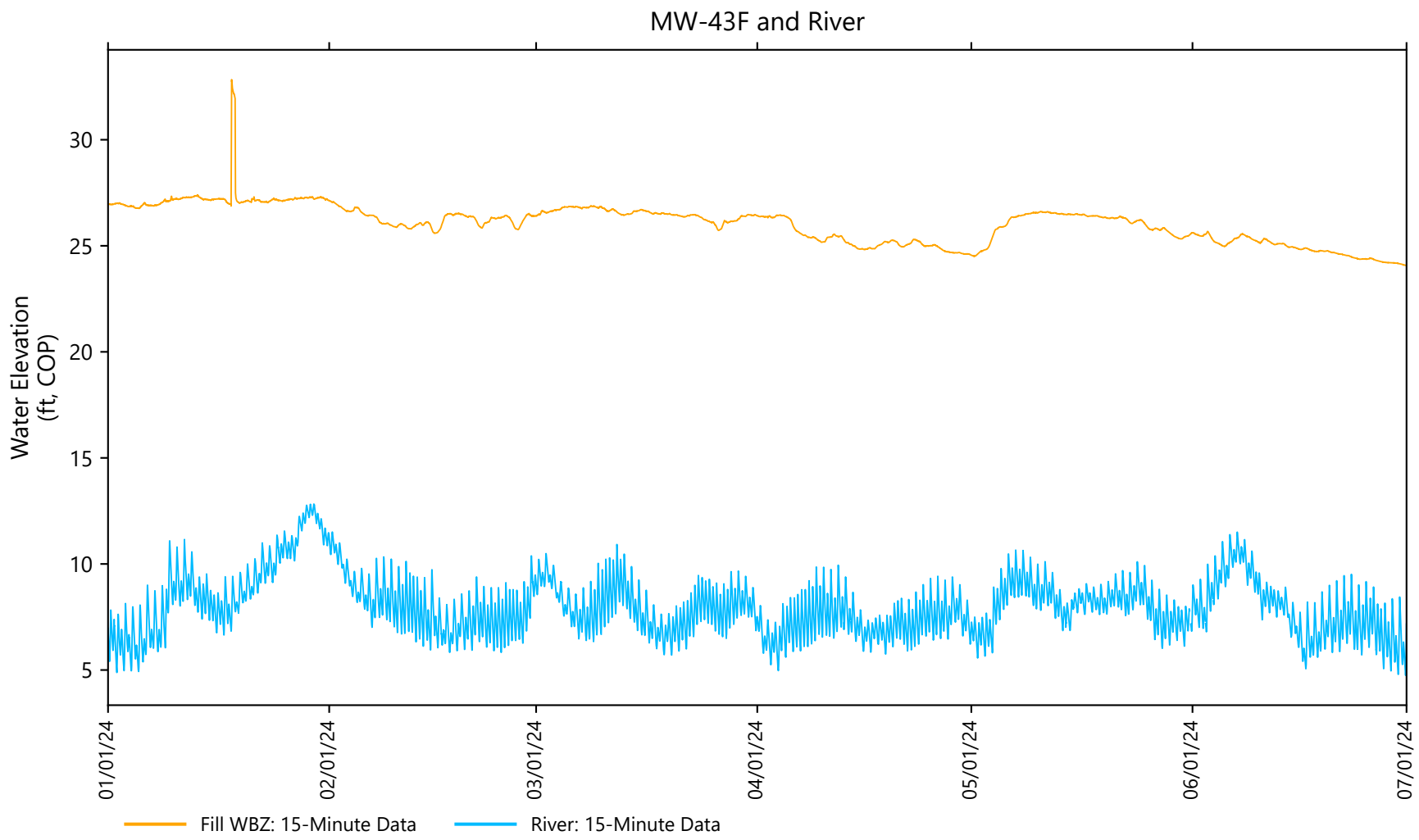


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Figure D-25
Groundwater Elevations – MW-9-29 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

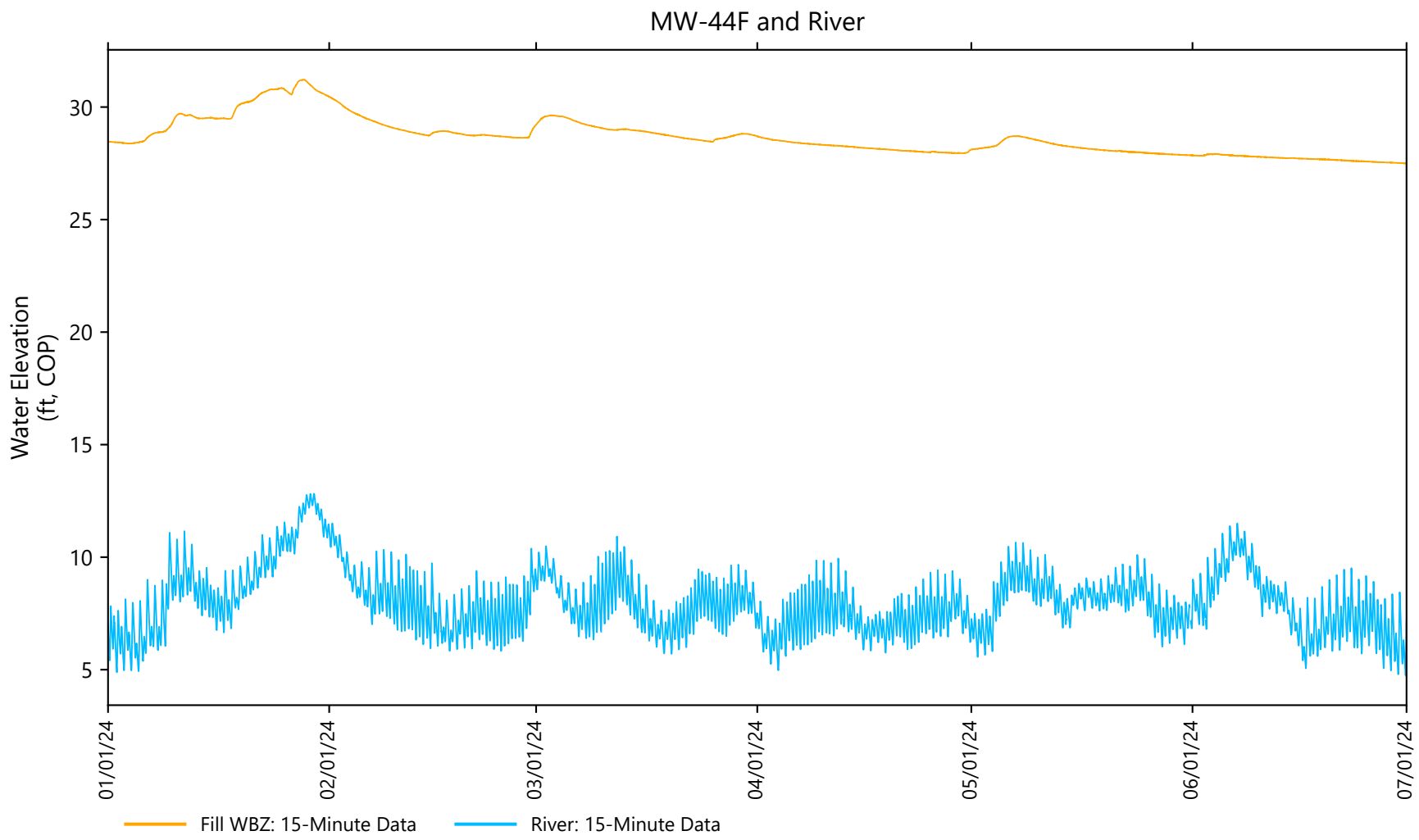


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Figure D-26
Groundwater Elevations – MW-43F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

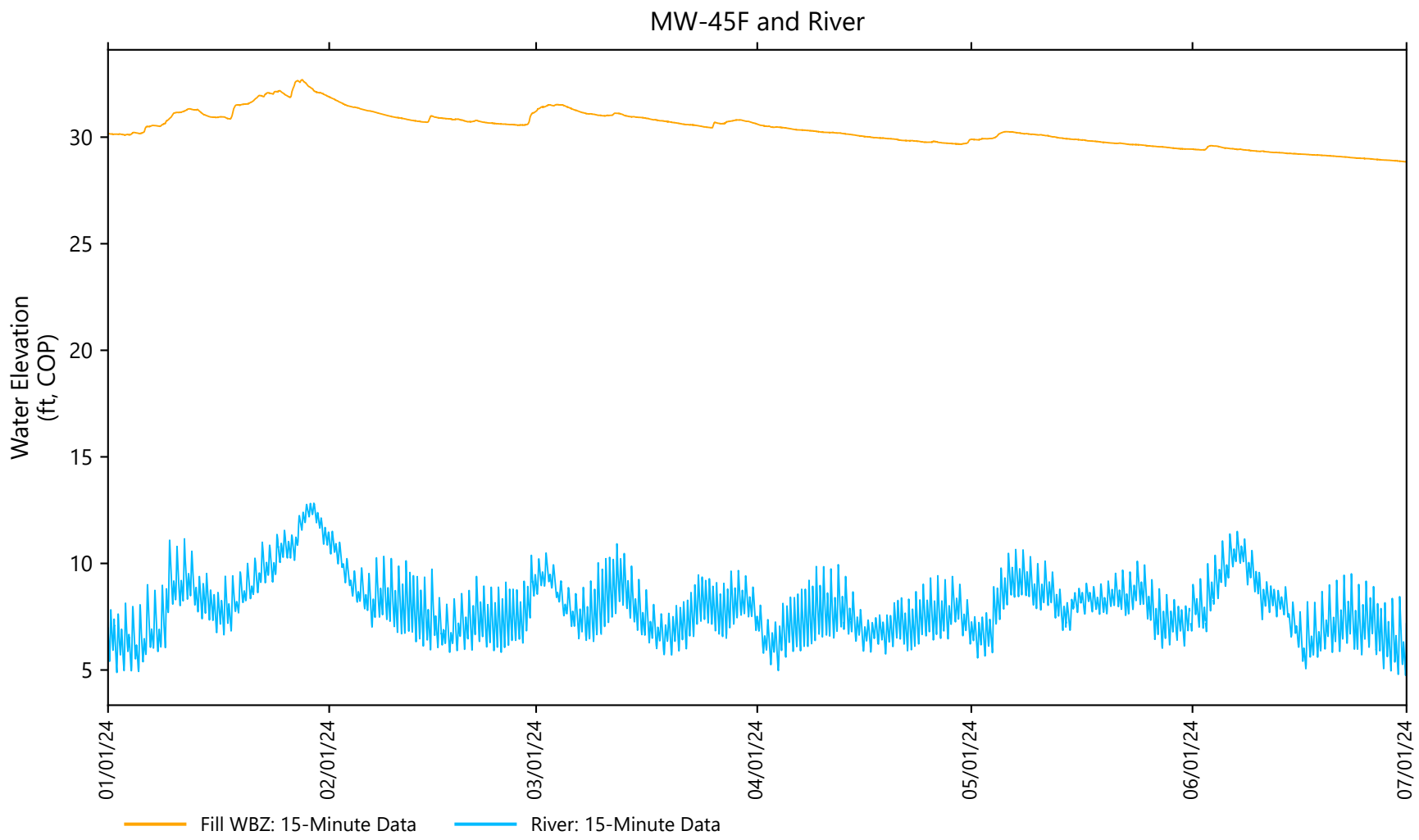


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Figure D-27
Groundwater Elevations – MW-44F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

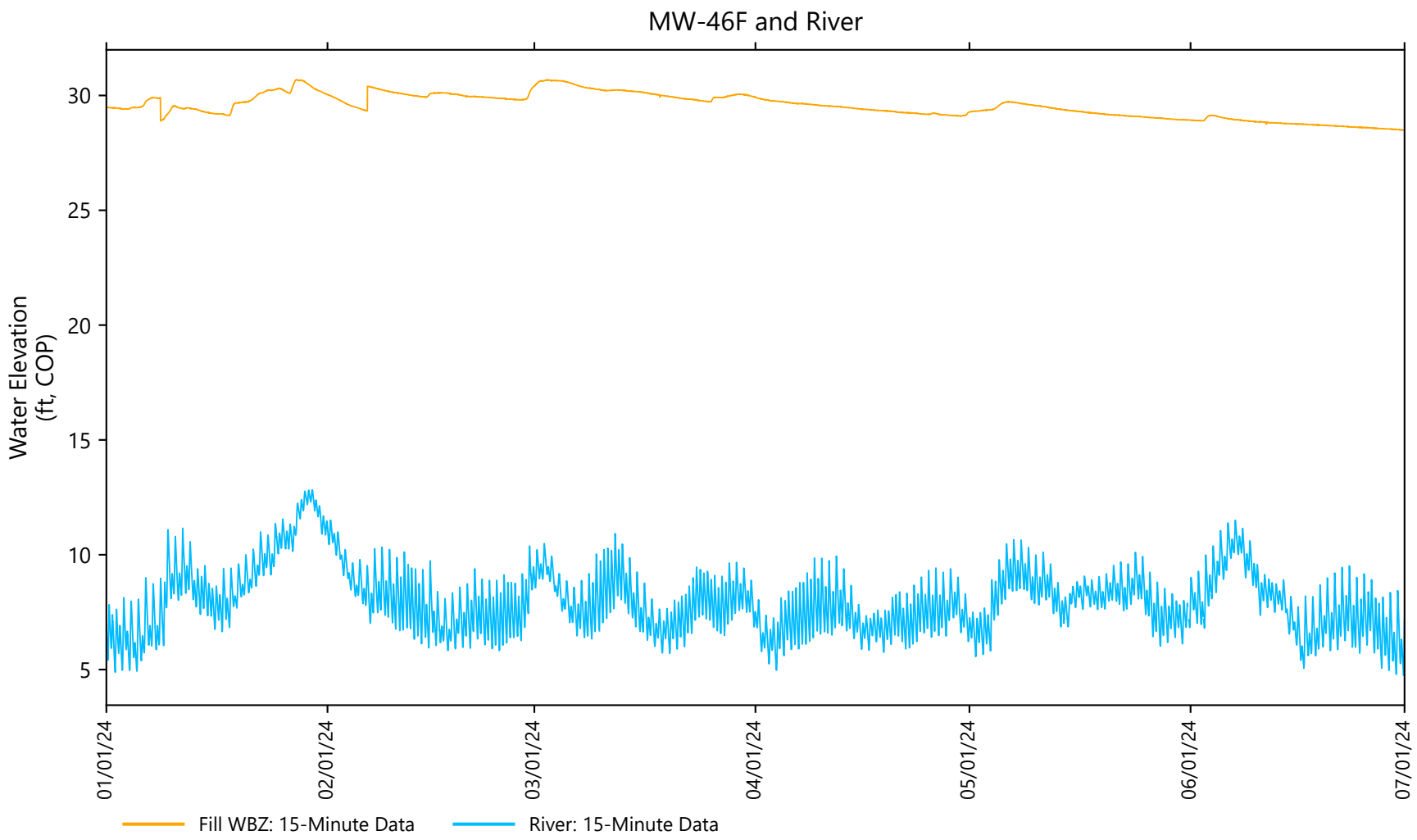


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Figure D-28
Groundwater Elevations – MW-45F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

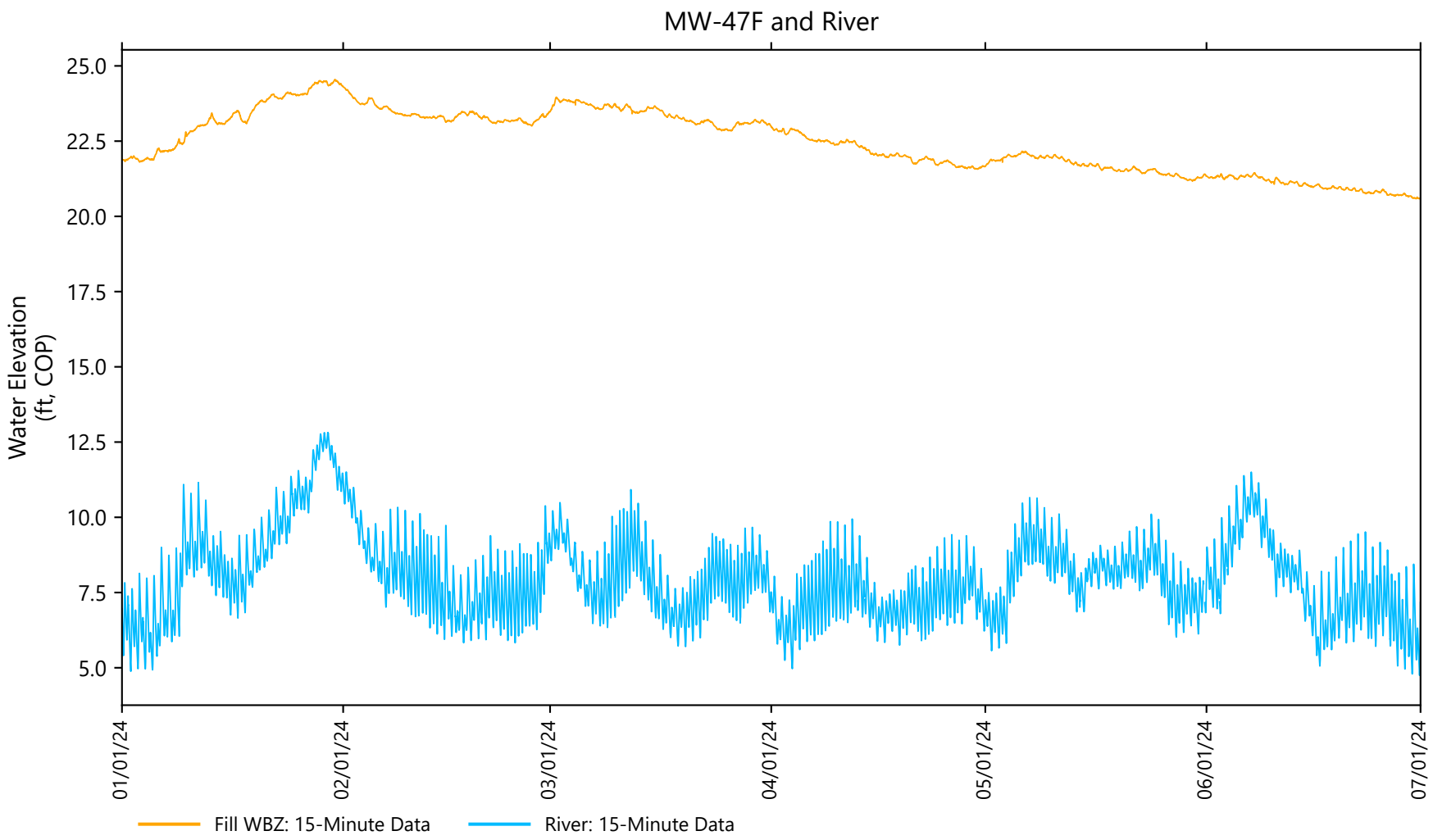


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Figure D-29
Groundwater Elevations – MW-46F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

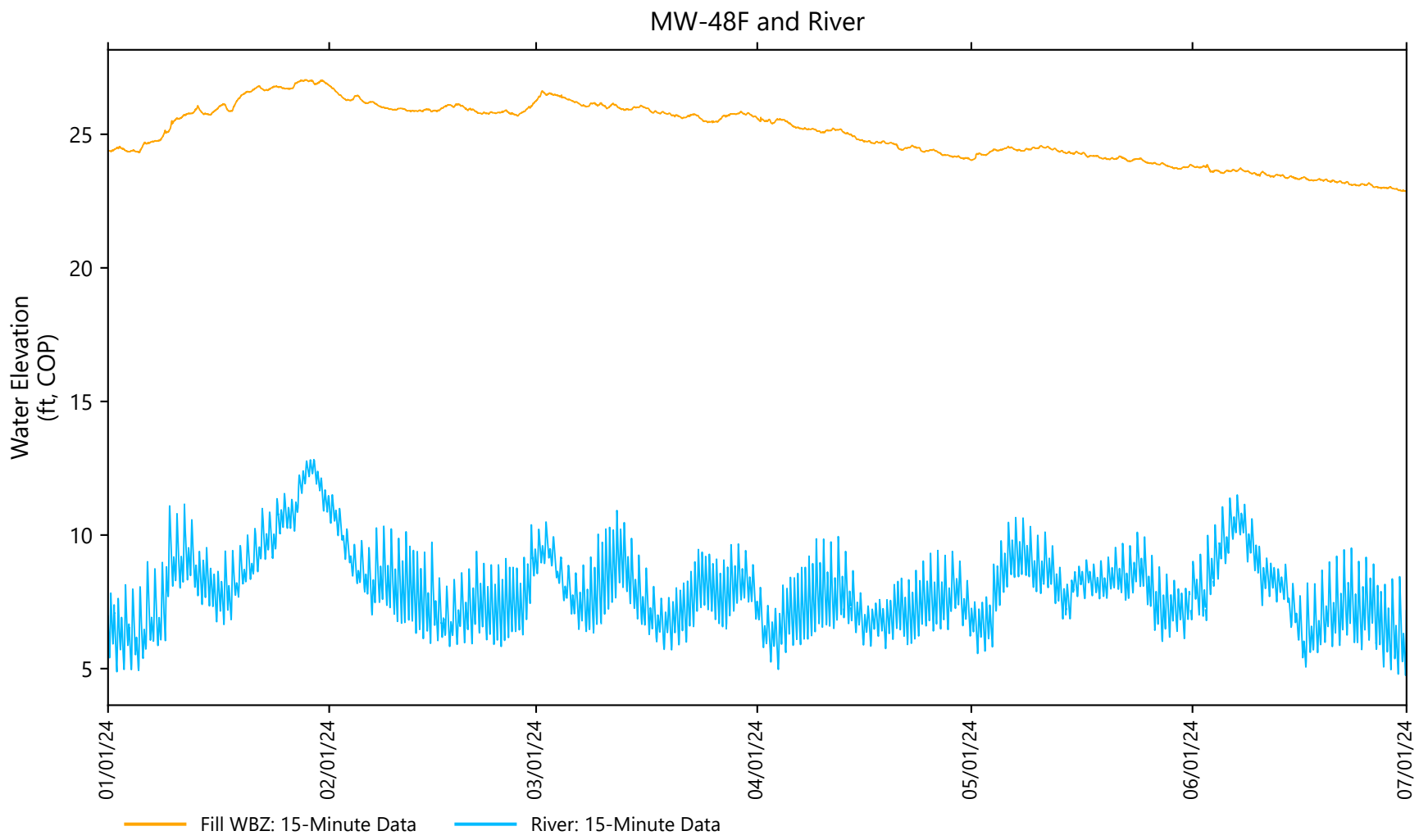


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Figure D-30
Groundwater Elevations – MW-47F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

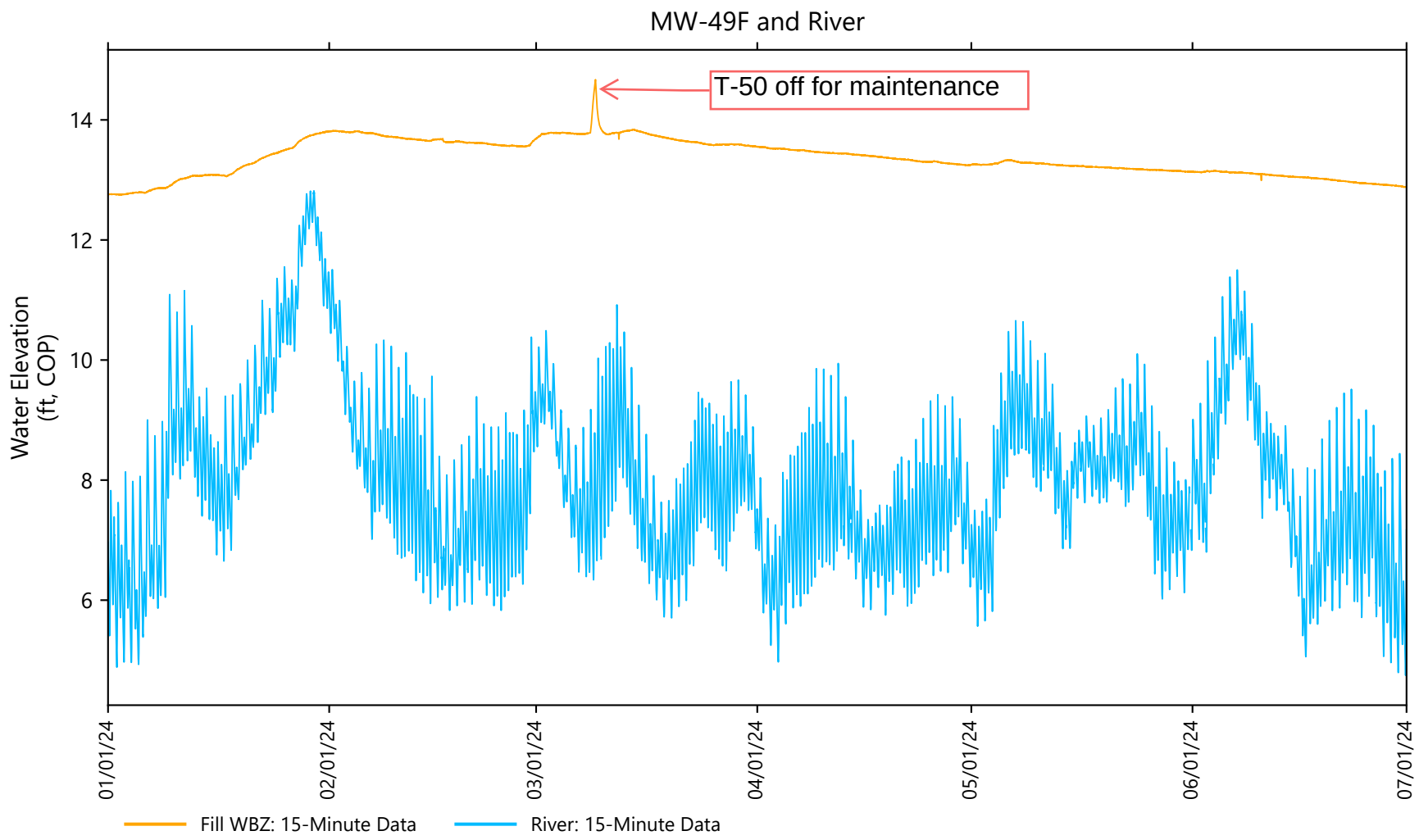


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Figure D-31
Groundwater Elevations – MW-48F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

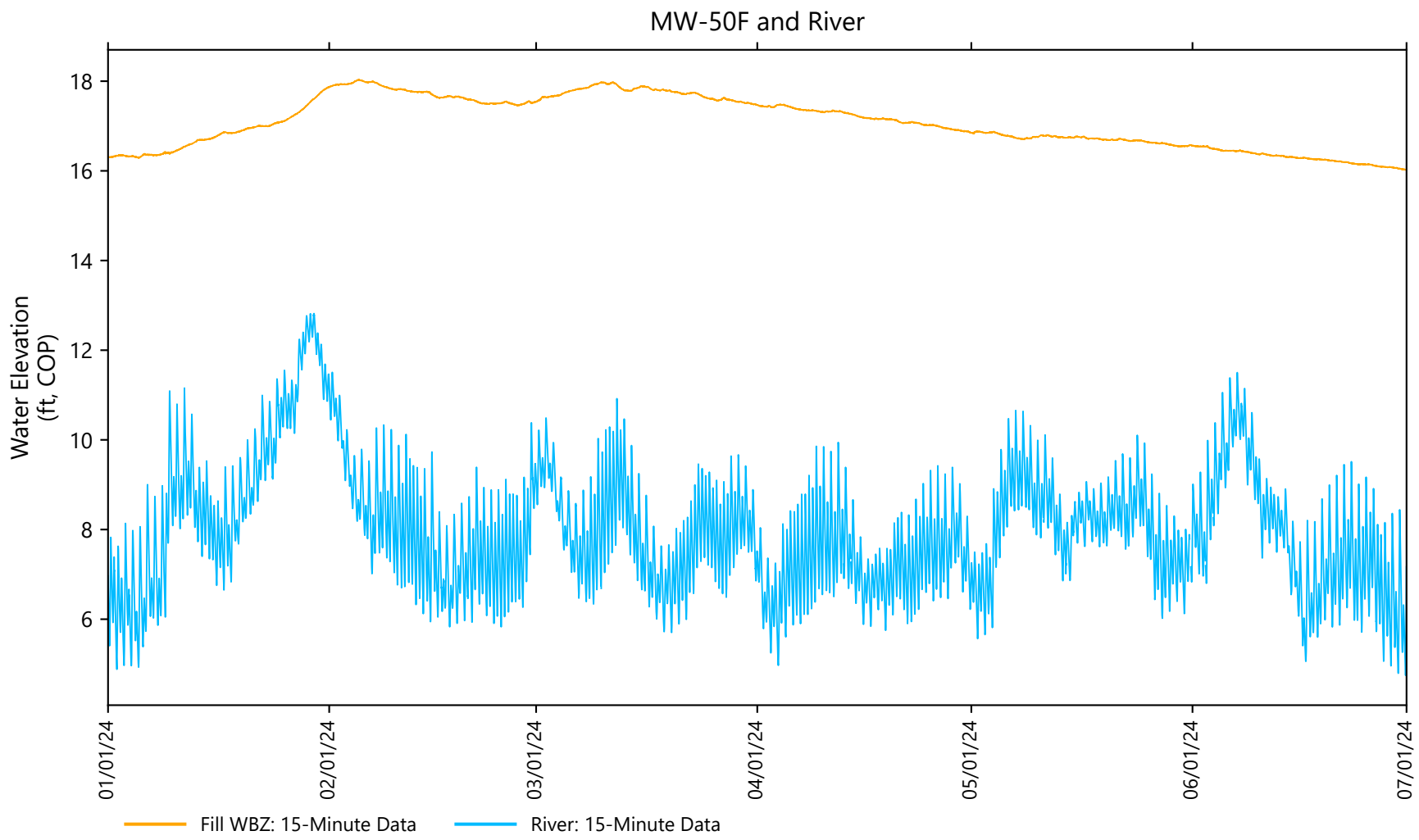


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Figure D-32
Groundwater Elevations – MW-49F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

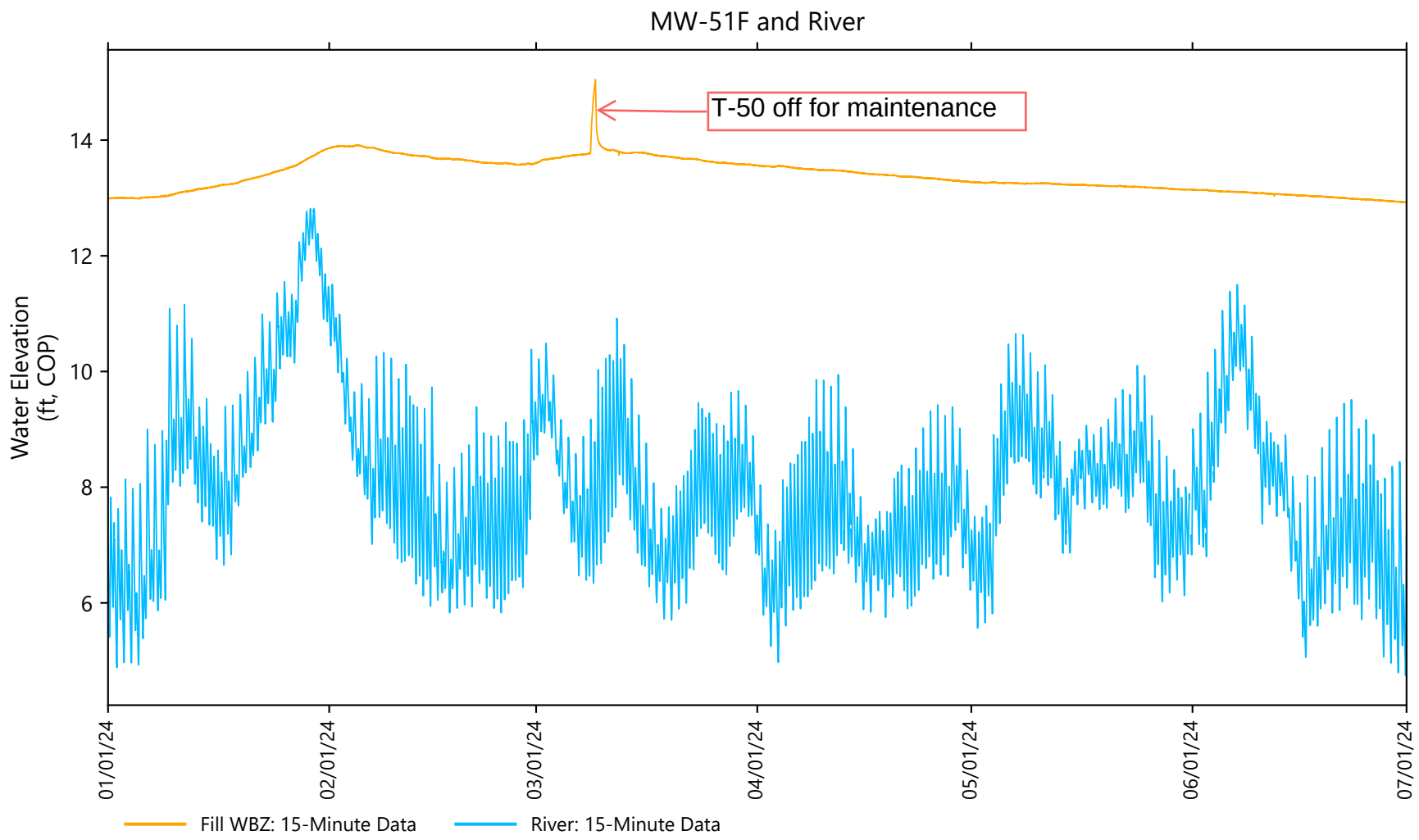


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Figure D-33
Groundwater Elevations – MW-50F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

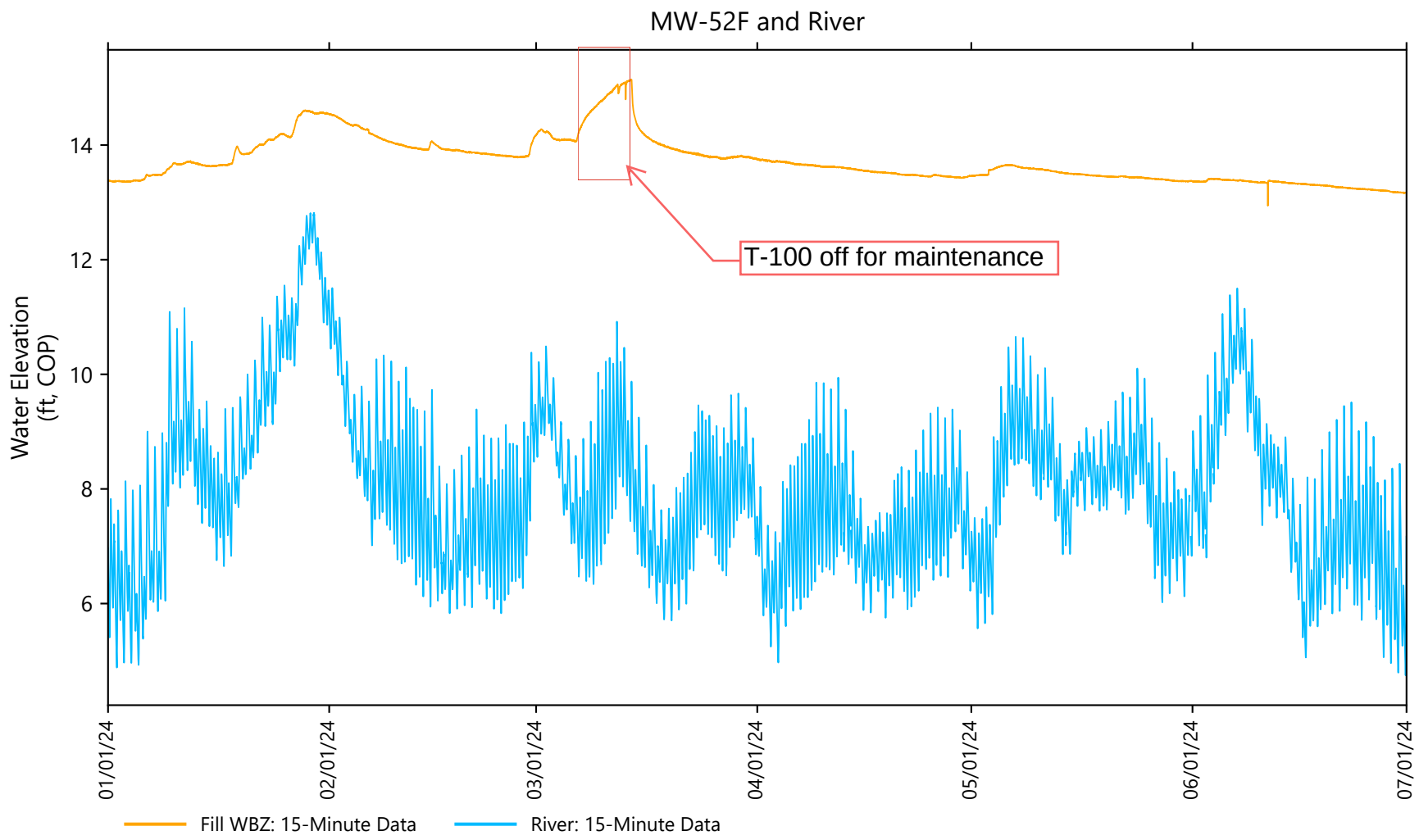


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Figure D-34
Groundwater Elevations – MW-51F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

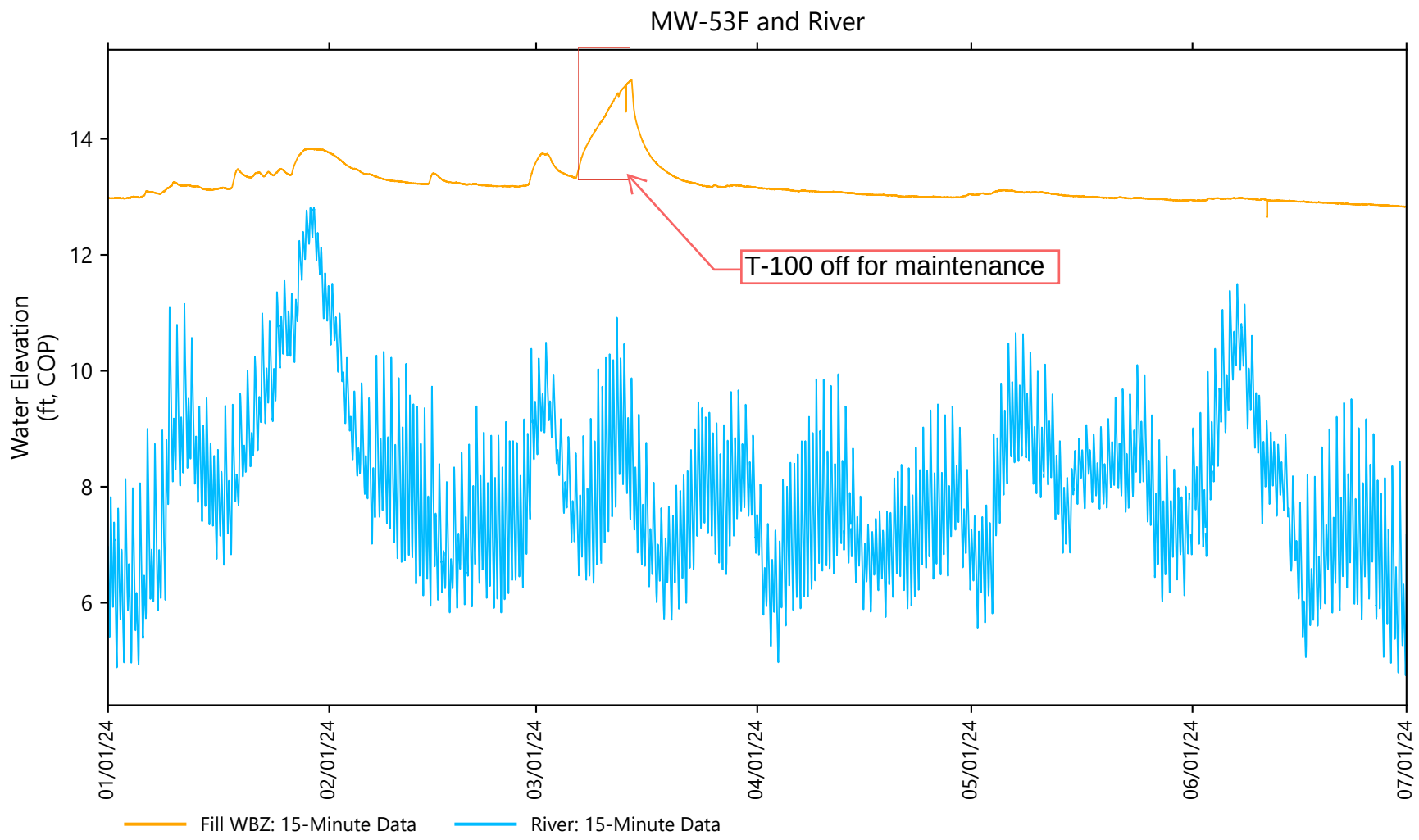


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Figure D-35
Groundwater Elevations – MW-52F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

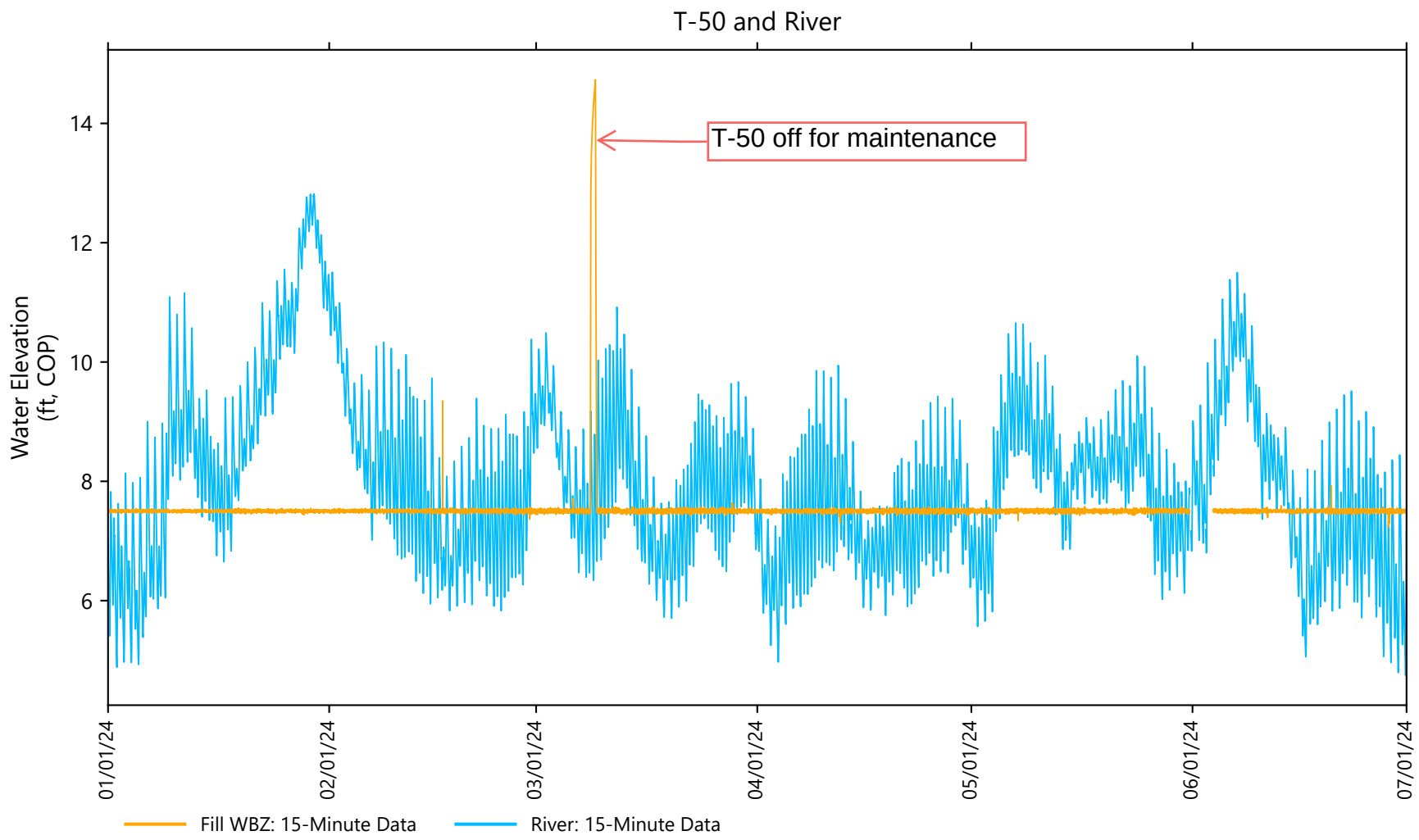


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Figure D-36
Groundwater Elevations – MW-53F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

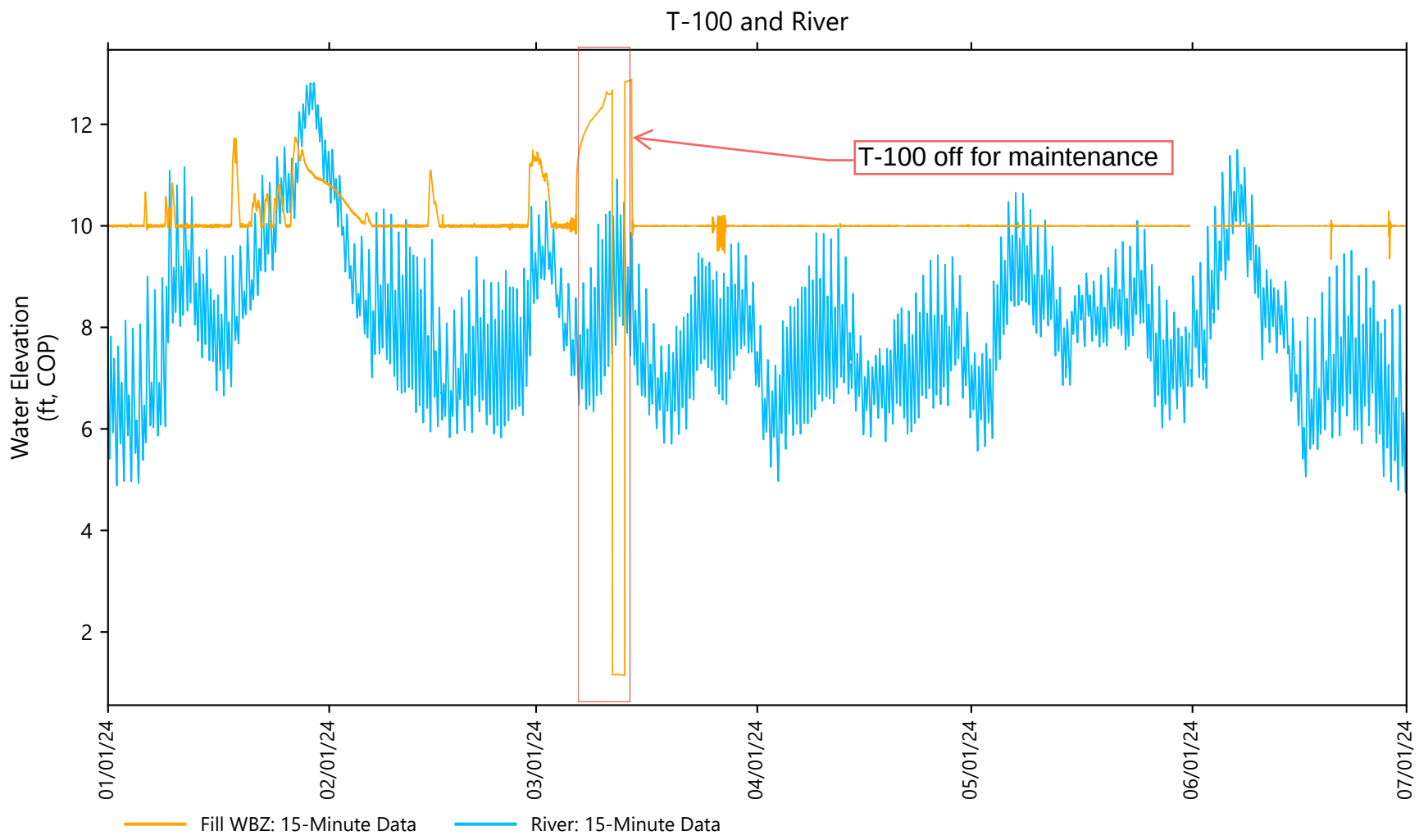


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WBZ: water-bearing zone

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Figure D-37
Groundwater Elevations – T-50 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site



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

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Figure D-38
Groundwater Elevations – T-100 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

Attachment E
Fill WBZ Potentiometric Surface Maps (Monthly Average)



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- 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)
- Capture Zone
- Geographic Subareas
- Approximate Gasco OU Boundary

NOTES:

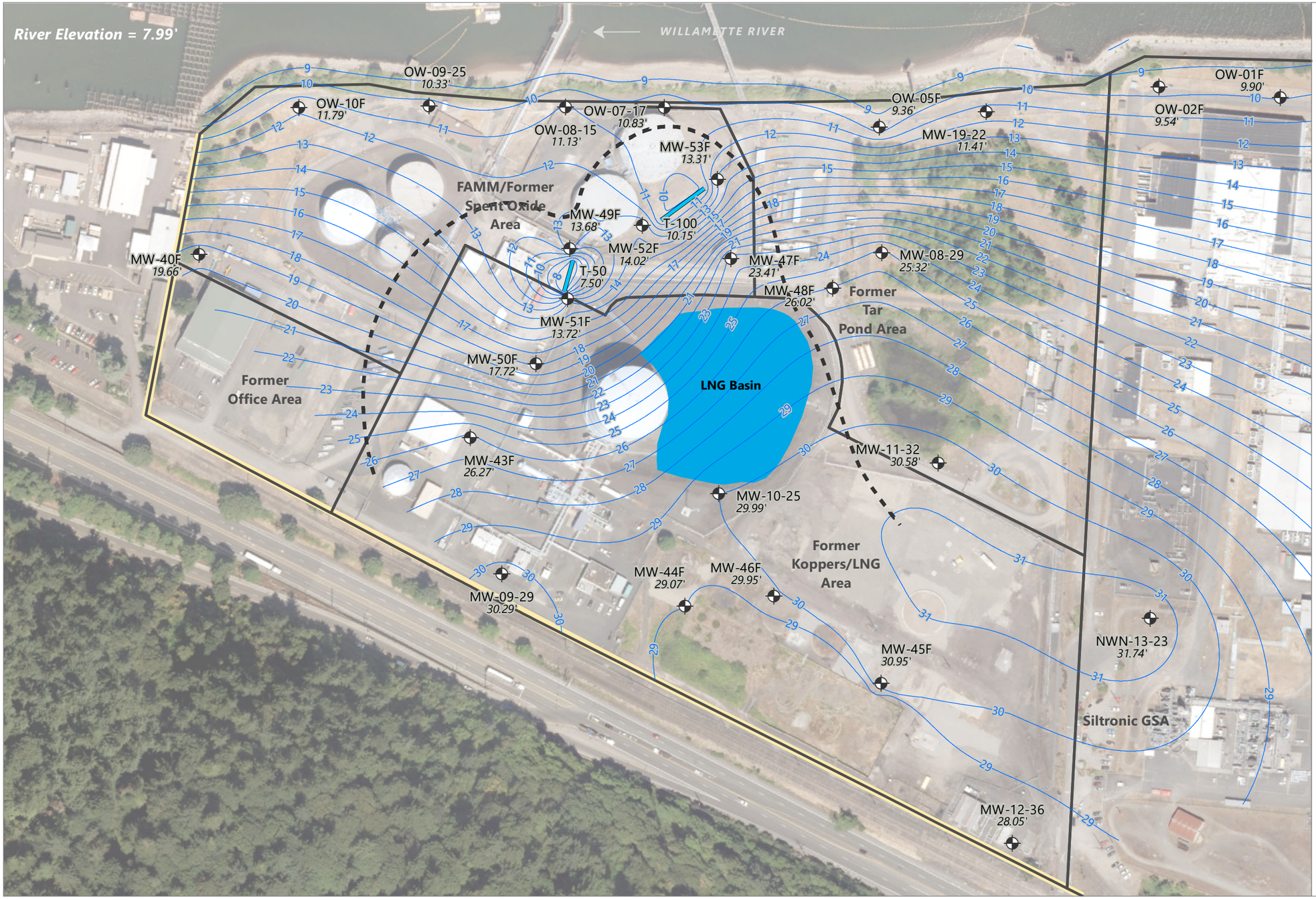
1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The 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. Arrow indicates direction of flow of river.
7. Horizontal datum is NAD83 Oregon State Plane North, International Feet.

0 300
Feet

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Figure E-1
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for January 2024
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- 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)
- Capture Zone
- Geographic Subareas
- Approximate Gasco OU Boundary

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. Arrow indicates direction of flow of river.
7. Horizontal datum is NAD83 Oregon State Plane North, International Feet.

0 300
Feet

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Figure E-2
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for February 2024
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- 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)
- Capture Zone
- Geographic Subareas
- Approximate Gasco OU Boundary

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 E-3
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for March 2024
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- 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)
- Capture Zone
- Geographic Subareas
- Approximate Gasco OU Boundary

NOTES:

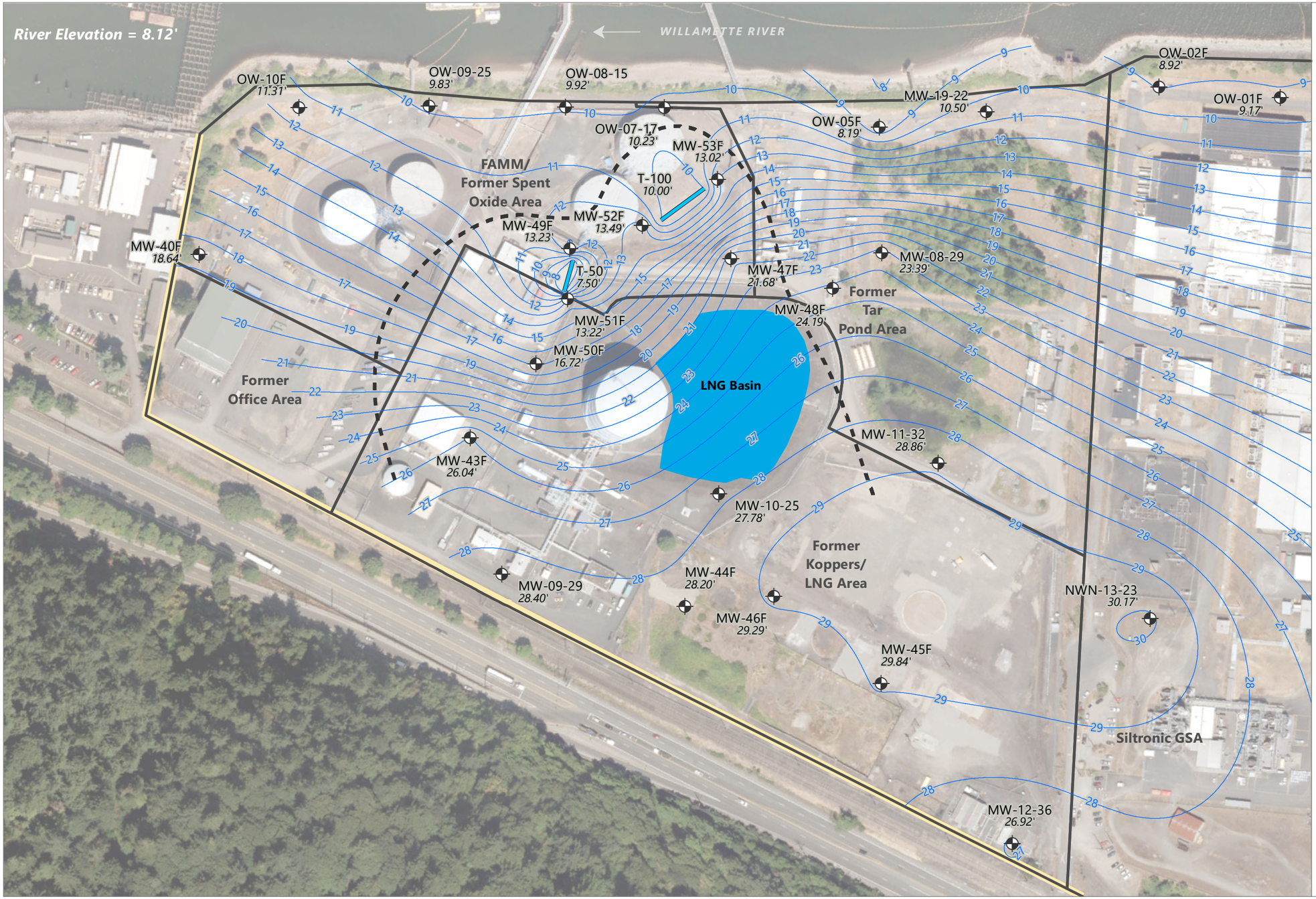
1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The 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 E-4
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for April 2024
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- 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)
- Capture Zone
- Geographic Subareas
- Approximate Gasco OU Boundary

NOTES:

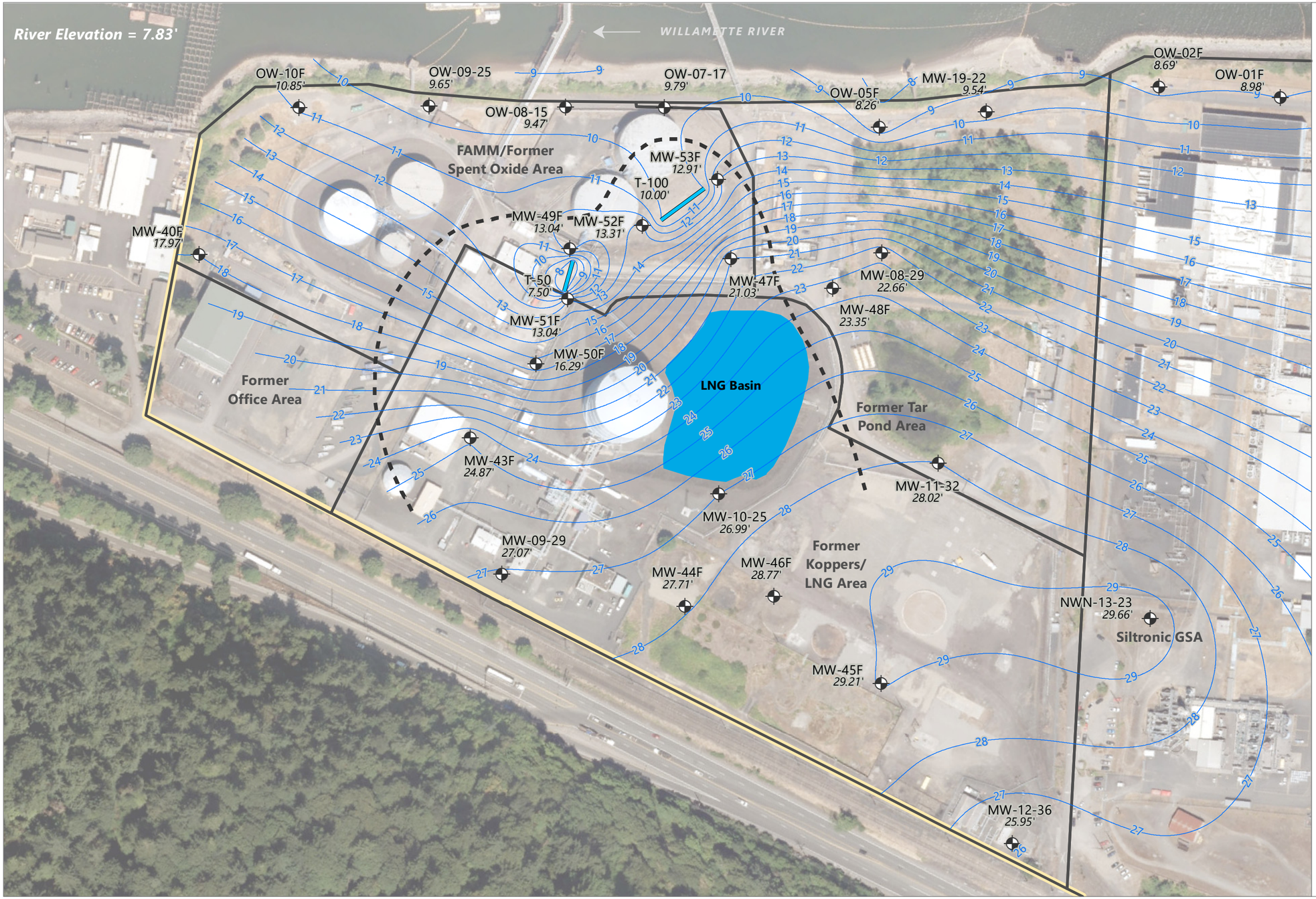
1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The 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 E-5
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for May 2024
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- 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)
- Capture Zone
- Geographic Subareas
- Approximate Gasco OU Boundary

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 E-6
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for June 2024
LNG Basin and Former Koppers Basin Groundwater Evaluation – First and Second Quarter 2024
NW Natural Gasco Site

Attachment F
Precipitation Data

Provided as Excel file