

**Groundwater Monitoring Report
Third Quarter 2022**

Gunderson LLC
4350 NW Front Avenue
Portland, Oregon

for

Gunderson LLC

December 19, 2022



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1.0 INTRODUCTION

This *Third Quarter 2022 Groundwater Monitoring Report* was prepared on behalf of Gunderson LLC (Gunderson) for the facility located at 4350 NW Front Avenue in Portland, Oregon (the Site).

1.1. Regulatory Framework

The Oregon Department of Environmental Quality (DEQ) Environmental Cleanup and Site Information (ECSI) number for the Site is 1155. Ongoing assessment and remediation activities at the Site are being completed under Voluntary Cleanup Agreement No. WMCVC-NWR-94-01, between Gunderson and DEQ. Source control activities are being performed by Gunderson under Consent Order No. LQVC-NWR-13-02.

A portion of the Willamette River, including the reach adjacent to the Site, was added to the Superfund National Priority List in December 2000. The approximate boundaries of the Portland Harbor Study Area are from river mile (RM) 1.9 to RM 11.8. The Site is on the west side of the Willamette River, approximately between RM 8.5 and RM 9.2. Remedial design in the Portland Harbor River Mile 9 West Project Area, which includes the Site riverbanks and area offshore of the Site, is being conducted by FMC Corporation, under an Administrative Settlement Agreement and Order on Consent (ASAOC) with the United States Environmental Protection Agency (EPA).

1.2. Report Organization

The purpose of this report is to: (1) present the methods, procedures, and results of the third quarter 2022 groundwater monitoring event, conducted on September 21, 2022; and (2) present a comparison of the groundwater monitoring data to regulatory criteria and an evaluation of chemical concentration trends. This report is divided into six primary sections:

- Section 2 presents a description of the Site, current site use, geology, and hydrogeology.
- Section 3 presents a background discussion of: (1) groundwater assessment and remediation conducted at the Site; (2) the scope and results of the 2-year stormwater infiltration monitoring program; (3) assessment of groundwater in the vicinity of wells MW-82 and MW-14/MW-93; and (4) a summary of the updated groundwater monitoring program scope and regulatory criteria for evaluating the quality of Site groundwater.
- Section 4 describes the procedures and methods for the third quarter 2022 groundwater monitoring event.
- Section 5 provides an evaluation of the third quarter 2022 groundwater elevations and gradient, the laboratory analytical data, and includes a comparison of the data to regulatory criteria, and an evaluation of concentration trends.
- Section 6 lists report references.

2.0 SITE DESCRIPTION

The Site covers approximately 59 acres and 4,000 lineal feet of river frontage on the western bank of the Willamette River between river miles 8.5 and 9.2. The Site location is shown on Figure 1 and the Site layout is shown on Figure 2. The Site is bordered by Lakeside Industries on the northwest, NW Front Avenue and

the Burlington Northern Santa Fe (BNSF) Railway rail yard on the southwest, Georgia-Pacific Corporation on the southeast, and the Willamette River on the northeast. Gunderson is an active industrial barge and rail car manufacturing facility. Site operations are classified under North American Industry Classification System (NAICS) Codes 336510—Railroad Rolling Stock Manufacturing (standard industrial classification [SIC] Code 3743), and 336611—Ship Building and Repairing (SIC Code 3731). The Site is zoned Heavy Industrial and River Industrial.

Impervious surfaces (e.g., buildings, asphalt pavement, and railroad tracks) cover approximately 80 percent of the Site, and the remaining 20 percent of the Site, including riverbanks, is covered with pervious materials such as gravel or vegetation. Many of the impervious surface areas have pervious features within them to promote stormwater infiltration, as discussed in Section 3.2. Except for the slope along the riverbank (between top of bank and the river), the Site is relatively flat, with a ground surface elevation ranging between approximately 36 to 42 feet (North American Vertical Datum 1988 [NAVD88]).

2.1. Site Use

The Site is divided into three areas (from downriver to upriver): Area 1, Area 2, and the Schnitzer ASD Yard (referred to in some historical reports as Area 3), as shown on Figure 2. The area boundaries are delineated based on similar industrial activities. Current use, activity, and structures in each Site area are described in more detail below.

Area 1. Area 1 is primarily used for material delivery, warehousing, steel parts storage, and the beginning of the manufacturing process. Area 1 buildings include the Wheel Shop, the Plate Shop, the Machine Shop, the Receiving Office, the Receiving Warehouse, and the Main Truck Receiving Dock. A marine dock that has not been in use for many years is located primarily on leased submerged and submersible land offshore of Area 1.

Area 2. Area 2 is primarily used for manufacturing. Area 2 contains the main manufacturing buildings and other facilities used for other manufacturing processes, including: the Marine Barge Launchways, the Fabrication Bays, Craneways 1 through 6, the Marine Paint & Blast Building, the Finish & Paint Building, and the Maintenance Shop and Administrative Offices. An asphalt-concrete (AC) road, referred to as Main Street, runs northwest to southeast through the central part of Area 2. The former entrance to a dock owned by Shell Oil Products U.S. (Equilon) and a related decommissioned pipeline easement are also located within this area. The dock was removed, and the pipeline was decommissioned in 2017 and 2018, respectively. The easement is now terminated.

Schnitzer ASD Yard. The Schnitzer ASD Yard is primarily used for materials storage. Approximately 60 percent of the Schnitzer ASD Yard is either paved or under cover. Compacted gravel and drain rock cover most of the remaining part of the Schnitzer ASD Yard. Although some areas along the riverbank are not paved, armoring and other structures (i.e., the Outfitting Dock gantry) cover most of the bank. Buildings in the Schnitzer ASD Yard include the Stevedore Building, the Marine Engineering Building, the 3-Bay Building, the Hazardous Materials Storage Area, the Rail Services Building, and the AutoStack Building. The Outfitting Dock runs parallel to almost the entire length of the riverbank of the Schnitzer ASD Yard (1,300 feet out of a total of 1,340 feet). The submerged land beneath the outfitting dock is leased from the State of Oregon.

2.2. Geology and Hydrogeology

2.2.1. Geology

The Site is located on the western edge of a large fault-bounded geologic structure known as the Portland Basin. The basin has been filled with up to 1,400 feet of consolidated and unconsolidated alluvial and glacio-fluvial sedimentary deposits ranging in age from middle Miocene (about 12 million years ago) to Pleistocene age (about 2 million to 0.01 million years ago). The sedimentary deposits overlie 16.5- to 6-million-year-old basalt flows of the Columbia River Basalt Group (CRBG). The basalt flows occur at relatively shallow depths along the west side of the Willamette River in the Site area. The hydrostratigraphic units that underlie the Site are described below from shallowest to deepest.

Fill

Most of the Site is underlain by fill materials placed in former lowland areas along the Willamette River. The fill is predominantly dredged river sediments. The fill includes fine sand and silty sand with some gravel and larger size rock. Fill deposits also contain various amounts of debris such as concrete, brick, blast grit, metal, and wood. The thickness of fill materials varies from Front Avenue to the river and from the downstream end to the upstream end of the Site. The thickness ranges from approximately 0.5 foot near Front Avenue along much of the Site to approximately 25 feet near the Willamette River in the upstream third of the Site (i.e., the Schnitzer ASD Yard).

Alluvial Deposits

Recent alluvium deposits consist of unconsolidated clay, silt, silty sand, and lenses and layers of fine to medium sand and gravel deposited in the channels and on the floodplains of the Willamette River. Older alluvial deposits underlie the recent alluvium and consist of coarse-grained and fine-grained units of ice-age flood deposition. The total thickness of the recent and older alluvial units ranges from approximately 30 feet to 150 feet at the Site.

Flood deposits present in the lower portions of the alluvial unit consist of crudely to complexly layered, unconsolidated, fine- to medium-grained sand and silt in the upper portion with coarse-grained sand and gravel in the lower portion. This lower coarse-grained unit varies in thickness, ranging from approximately 10 to 200 feet thick along the Willamette River near the Site.

Bedrock

The CRBG bedrock is present at variable depths along the west side of the Willamette River. The CRBG bedrock has been encountered at the Site at depths ranging from 31 to 160 feet below the ground surface (bgs), with the shallowest CRBG bedrock underlying Area 1. Bedrock has not been encountered at borings completed at the Schnitzer ASD Yard. The thickness of the basalt near the Site is estimated to be approximately 600 feet. Borings completed into bedrock on the Site indicated a deposit of weathered basalt gravel at the top of the bedrock, underlain by layered fractured to massive basalt flow units.

2.2.2. Hydrogeology

Groundwater elevations have been monitored at the Site since the early 1990s. Groundwater elevations and gradients fluctuate seasonally. Depth to groundwater at the Site generally ranges from 25 to 30 feet bgs in Area 1, 20 to 25 feet bgs in Area 2, and approximately 15 to 20 feet bgs in the Schnitzer ASD Yard. Perched groundwater is sometimes encountered at shallower depths at the Schnitzer ASD Yard. Groundwater elevations are normally highest in the spring (March) and lowest in the fall (September).

Groundwater elevations at the Site are affected by the Willamette River stage. The reach of the Willamette River that is adjacent to the Site is tidally influenced. The daily tidal range near the Site is approximately 4 feet (EPA, 2017). Groundwater levels and fluxes in the fill and alluvium are affected by diurnal tidal influences. The degree of tidal influence decreases with increasing distance from the river.

The hydraulic gradient indicates that groundwater at the Site generally flows in a northerly to northeasterly direction toward the Willamette River. The groundwater gradient is generally relatively flat at Area 1 (approximately 0.0005 to 0.001 foot per foot) and at the downstream portion of Area 2. Steeper groundwater gradients (approximately 0.01 to 0.02 foot per foot) are observed on the upstream portion of Area 2 and at the Schnitzer ASD Yard. This noticeably steeper groundwater gradient in the southern portion of the Site has been consistently observed since at least 1991 (Squier, 1991). Based on the median hydraulic conductivity (0.008 ft/min) measured by Integral et al. (2011) for the general Portland Harbor area, an assumed effective porosity of 0.3, and the groundwater gradients noted above for the three areas of the Site, the groundwater velocities in the fill and alluvium units at the Site are on the order of 4 to 700 feet per year, respectively.

In 2005, a preliminary groundwater conceptual site model was developed for the Site as part of the EPA-approved Portland Harbor Remedial Investigation. That site-specific groundwater conceptual site model (Integral et al., 2005) concluded that most groundwater at the Site discharges to the Willamette River somewhere offshore and below the mean low water line.

3.0 GROUNDWATER ASSESSMENT BACKGROUND

Gunderson has evaluated groundwater conditions at the Site for more than 30 years. The following briefly summarizes key information regarding groundwater assessment and source control as it pertains to the current groundwater monitoring program. A comprehensive historical summary of groundwater assessment and source control at the Site was provided in the *Comprehensive Groundwater Conceptual Site Model* (Cascadia, 2020b).

3.1. Deactivation of Area 1 Extraction Well

In 2004, a groundwater extraction system was installed in Area 1 to treat volatile organic compounds (VOCs) in groundwater resulting from a 1980 release of 1,1,1-trichloroethane (TCA). In 2013, a capture zone evaluation was performed for extraction well WEX-60. That evaluation concluded: (1) VOC concentrations in groundwater at Area 1 had decreased to levels less than or only slightly exceeding DEQ screening criteria; and (2) the extraction well had not had a significant effect on groundwater concentrations. In early 2014, DEQ authorized suspension of groundwater treatment at Area 1, contingent on Area 1 groundwater concentrations remaining stable to decreasing. The system was deactivated on July 16, 2014.

Area 1 groundwater monitoring data continue to demonstrate that deactivation of the groundwater treatment system has not adversely affected groundwater quality at the Site, and additional groundwater source control is not necessary. In June 2021, Gunderson submitted a proposal to DEQ for removal of the Area 1 groundwater treatment infrastructure (Cascadia, 2021a).

3.2. Comprehensive Groundwater Conceptual Site Model

In May 2020, the *Comprehensive Groundwater Conceptual Site Model* (CSM) was submitted to DEQ in support of the ongoing groundwater source control evaluation at the Site (Cascadia, 2020b). The CSM described:

- Site hydrogeology, to support an evaluation of groundwater contaminant transport pathways to the Willamette River.
- Potential sources of hazardous substances to groundwater, based upon historical activities and releases at the Site.
- Current (post-remediation) groundwater conditions at the Site and trends in chemical concentrations in groundwater.
- Groundwater quality at the Site and extent of chemicals in groundwater that exceed the Portland Harbor Cleanup Levels listed in Table 17 of the Record of Decision for the Portland Harbor Superfund Site (EPA, 2017 and 2020).

The information and analysis presented in the CSM demonstrate that groundwater at the Site does not pose a significant recontamination risk to the Willamette River. The CSM is currently under review by DEQ. EPA provided comments on the CSM to DEQ in a November 30, 2020 letter.

3.3. Stormwater Infiltration Groundwater Monitoring

To reduce the volume and pollutant mass loading of stormwater discharging to the Willamette River, Gunderson has established a widely distributed network of approximately 97 small stormwater infiltration features at the Site since 2013. Figures from the August 2022 Gunderson *Stormwater Pollution Control Plan* (SWPCP), showing the locations of the stormwater infiltration features at the Site are provided in Appendix A for reference. These infiltration features supplement stormwater infiltration that has occurred at large areas of the Site during the entire period of facility operations (e.g., large unpaved areas in the Schnitzer ASD Yard and the North and South Transfer Tables). As a result of these efforts, the volume of stormwater and pollutant mass discharging from the Site has been reduced by approximately 50 percent.

Widespread stormwater infiltration also occurs at other properties in the vicinity of the Site. For example, infiltration occurs at a 100+ acre railyard that is directly across Front Avenue to the southwest of the Site. Stormwater infiltration also occurs at the Lakeside Industries property that is immediately adjacent to and downstream of the Site.

In 2019, DEQ requested that Gunderson develop and implement a groundwater monitoring program to further evaluate the effects of stormwater infiltration on groundwater. The scope of the stormwater infiltration monitoring program was developed in close coordination with DEQ and detailed in the May 20, 2019 *Final Revised Stormwater Infiltration Monitoring Work Plan* (Cascadia, 2019b). Three small stormwater infiltration features (INF-2-42, INF-3-30, and INF-3-31) were installed at the Site between August 2019 and January 2020 after the Work Plan was approved by DEQ in May 2019. These small infiltration features were installed in the vicinity of other infiltration features or pervious Site areas of widespread stormwater infiltration. In accordance with the DEQ-approved Work Plan, the following stormwater infiltration evaluation activities were completed in 2019:

- Eleven groundwater monitoring wells (MW-82 through MW-92; Figure 3) were installed in June 2019 at locations near or downgradient of stormwater infiltration areas.
- The groundwater monitoring program for four existing wells close to areas of focused stormwater infiltration (wells MW-14, MW-17, MW-52, and MW-62) was expanded.
- Six pressure transducers were installed in Area 1 wells MW-27, MW-49, MW-52, MW-62, MW-71, and MW-91, located in the Site area with the greatest concentration of stormwater infiltration features, to evaluate short- and long-term variability in groundwater elevations and temperature.

Groundwater monitoring well installation activities were documented in the *Second Quarter 2019 Groundwater Monitoring and Well Installation Report* (Cascadia, 2019a).

3.3.1. Area 1 Pressure Transducer Evaluation Results

The data from the year-long Area 1 pressure transducer study from June 2019 to June 2020 demonstrated that stormwater infiltration may result in minor short-term effects on groundwater elevation and temperature at limited areas (Cascadia, 2020d). These apparent localized effects on groundwater elevation and temperature are transitory and limited to 1- to 3-day durations. These findings are consistent with observations during quarterly groundwater monitoring events that have repeatedly shown that stormwater infiltration has not caused significant perturbations to groundwater gradients. DEQ approved discontinuation of the 12-month transducer study in a November 30, 2020 letter (DEQ, 2020).

3.3.2. Groundwater Monitoring Downgradient of Stormwater Infiltration Areas Results

The results of the expanded groundwater monitoring program have been documented in Gunderson quarterly monitoring reports since the program was implemented in the second quarter 2019. The 2-year stormwater infiltration monitoring period was completed with the second quarter 2021 groundwater monitoring event.

Overall, data from these stormwater infiltration monitoring program wells are similar to the data collected from the other Site groundwater monitoring wells. That is, chemical concentrations in groundwater downgradient of stormwater infiltration areas remain low to non-detect, exhibit decreasing to stable concentration trends, rarely exceed regulatory criteria, and when exceedances are observed, the exceedance ratios are generally low.

The monitoring results for stormwater infiltration monitoring wells MW-14 (zinc) and MW-82 (most notably, arsenic) were noted as exceptions, and these concentrations are elevated compared to other Site monitoring wells. Further evaluation of groundwater quality in the MW-14 and MW-82 areas is described in Section 3.4.

3.4. Monitoring Wells MW-82 and MW-14

As noted above, elevated or increasing concentrations of some metals, relative to other monitoring wells on site and relative to some regulatory criteria, have been detected in groundwater samples collected from monitoring wells MW-82 and MW-14. Gunderson proposed to evaluate the anomalous metals concentrations in the *Work Plan for Evaluation of MW-82 and MW-14 Areas* (Cascadia, 2021b). The objective of the proposed work was to evaluate the source of the elevated concentrations of metals in wells MW-14 and MW-82 and to evaluate potential associated risks to the Willamette River.

In summary, the following tasks were implemented:

- Completion of the 1-year pressure transducer study for wells MW-82 and MW-14.
- Installation of well MW-93, replacing damaged well MW-14.
- Continued groundwater monitoring and assessment of metals concentrations for wells MW-82 and MW-14/MW-93.
- Evaluation of groundwater chemistry parameters and redox conditions.
- Sampling of stormwater influent to infiltration features INF-2-3 (in the well MW-82 area) and INF-3-8 (in the MW-14/MW-93 area).
- Stormwater improvements in the MW-82 and MW-14/MW-93 area including cleaning of pavement, and cleanout of infiltration features and stormwater conveyance system infrastructure.

The following summarizes the results of the evaluation.

Well MW-14/MW-93 Area. During the evaluation, the casing for well MW-14 was determined to be damaged. The well was decommissioned and replaced by well MW-93. Zinc has not been detected in groundwater samples collected from well MW-93. With the exception of arsenic and manganese, which are ubiquitous across the Site, no chemicals have been detected in well MW-93 groundwater at concentrations exceeding Regulatory Criteria. The elevated zinc previously measured in the area in former well MW-14 appears to be a result of the damaged well casing.

Gunderson requested that the evaluation of the MW-14/MW-93 area be terminated. In a July 19, 2022 letter, DEQ approved discontinuation of investigation of the MW-14/MW-93 area, provided that groundwater monitoring results continue to demonstrate low to non-detect metals concentrations.

Well MW-82 Area. The pressure transducer study, groundwater chemistry parameter evaluation, and stormwater influent sampling results indicate that infiltrating stormwater is likely not the source of elevated arsenic and other metals detected in MW-82 groundwater, nor is stormwater infiltration increasing the solubility and mobility of metals in MW-82 area groundwater.

Historical images indicate that that from at least 1957 through the 1960s, vessel launchways (known as Launchways 3), were in operation at the location of MW-82. Launchways 3 consisted of a pair of launchways rails sloping from the upland area into the Willamette River. Launchways 3 was below the current ground surface elevation, as indicated by the launchway rails that project from the riverbank, well below the current top of the riverbank. FMC Corporation, the Site owner/operator at the time, filled Launchways 3 to its current elevation by 1983. Documentation of the materials that were used to fill the launchways is unavailable; however, fill materials encountered during completion of soil borings in 2011 and 2016 in the Launchways 3 area included wood/logs, brick, glass, and slag material (Shaw, 2011; Cascadia, 2017). It is possible that the elevated metals measured in the MW-82 groundwater are the result of a subsurface source of these metals, present in the historical fill that was placed in the area.

Gunderson proposed porewater sampling for metals offshore of Area 2 well MW-82 to determine whether concentrations of arsenic in groundwater, and to a lesser extent antimony and zinc, are a risk to the Willamette River. In a February 2021 meeting, DEQ indicated that porewater data offshore of Area 1 for

chlorinated VOCs will likely be needed prior to issuance of a groundwater source control decision. Therefore, the porewater sampling scope will include targeted areas offshore of MW-82 and Area 1.

Following coordination with DEQ on the scope and methods of the porewater sampling, Gunderson plans to submit a work plan to DEQ in early 2023.

3.5. Groundwater Monitoring Program

Groundwater monitoring at the Site is conducted in accordance with the DEQ Voluntary Cleanup Program Agreement No. WMCVC NWR 94 01, and subsequent modifications. A complete list of groundwater monitoring program modifications was included most recently in the *Second Quarter 2022 Groundwater Monitoring Report* (GeoEngineers, 2022b). The most recent modifications to the program are described below:

- Following decades of groundwater monitoring across the Site, Gunderson proposed reductions to the Site groundwater monitoring program in the *Second Quarter 2021 Groundwater Monitoring Report*, submitted to DEQ in September 2021 (GeoEngineers, 2021). The report included detailed rationale supporting these proposed reductions to the monitoring program.
- On June 8, 2022, DEQ provided approval for Gunderson to implement the proposed modifications to the groundwater monitoring program during the second quarter 2022 monitoring event. The scope of the modified groundwater monitoring program is presented in Table 1. DEQ noted that future groundwater monitoring reports would be reviewed to determine whether the data collected are adequate for source control decision making.

As of this third quarter 2022 groundwater monitoring event, the scope of the annual Gunderson groundwater monitoring program includes groundwater elevation monitoring, and collection and analysis of groundwater samples from up to 16 monitoring wells during each quarterly monitoring event. The scope of the third quarter 2022 groundwater monitoring event includes gauging and sampling of three monitoring wells. Groundwater monitoring program details (i.e., frequency of monitoring and laboratory analyses) and monitoring well construction information (i.e., total depth and screened interval) are presented in Table 1.

3.5.1. Regulatory Criteria

For evaluation purposes and consistent with DEQ guidance, groundwater analytical data are compared to the Groundwater Cleanup Levels in Table 17 of the Record of Decision for the Portland Harbor Superfund Site (the “CULs”; EPA, 2017 and 2020). If Groundwater CULs are unavailable for an analyte, data are compared to Surface Water CULs. Analytes for which no CULs have been established are compared to Portland Harbor Joint Source Control Strategy (JSCS) screening level values (SLVs) (DEQ and EPA, 2005). Collectively, these screening levels are referred to herein as Regulatory Criteria.

Regulatory Criteria for groundwater were established to identify concentrations of hazardous substances that may pose a risk when contaminated groundwater enters the Willamette River sediment and mixes with surface water. Regulatory Criteria were not established specifically to evaluate the risk posed by constituents in groundwater at upland areas, such as the Site. Therefore, the actual risk that hazardous substances in groundwater pose to the river is dependent on several factors, including: (1) potential migration to the river, (2) persistence of the chemical in the environment, and (3) mass flux to the river. In some instances, as described in Section 5.2.2, the regional background concentrations of chemicals (e.g., arsenic and manganese) are significantly higher than the CULs.

4.0 GROUNDWATER MONITORING PROCEDURES

The third quarter 2022 groundwater monitoring event was conducted September 21, 2022. The event included depth to groundwater measurements and collection of groundwater samples from three monitoring wells for laboratory analysis, consistent with the scope details in Table 1.

Monitoring activities are described in more detail below. Recorded field observations are presented on the field forms in Appendix B.

4.1. Groundwater Elevations

Depths to groundwater were measured from the top of the monitoring well casing to the nearest 0.01 foot using an electronic water level probe. The depth to groundwater measurements and corresponding groundwater elevations for wells in the Site monitoring program are presented in Table 2.

4.2. Groundwater Sampling Methods

Groundwater samples were collected from two monitoring wells at the Site (MW-82 and MW-93) and one monitoring well at the adjacent Lakeside Industries property (MW-103). Groundwater sampling was completed using low-flow sampling techniques according to the procedures detailed below.

Prior to sample collection, monitoring wells were purged with a peristaltic pump while field parameters (temperature, pH, electrical conductivity, oxidation reduction potential [ORP], and dissolved oxygen [DO]) were recorded on the groundwater sampling field sheets every 3 minutes. Monitoring wells were purged until field parameters had stabilized for three consecutive 3-minute intervals. Groundwater monitoring field sheets are included in Appendix B. Groundwater field parameter measurements recorded immediately before groundwater sample collection are presented in Table 3 along with the field parameter measurements from the previous three groundwater monitoring events.

Immediately after purging, groundwater samples were collected directly from the discharge tubing of the pump into laboratory-supplied sample containers and labeled with identifying information (e.g., sample ID, date, and time). Samples collected for analysis of dissolved metals were field filtered using a 0.45-micrometer in-line filter. A field duplicate sample was collected from well MW-93. Sample containers were placed in an iced cooler and maintained under chain-of-custody protocols.

Reusable sampling equipment, such as the water level probe, was decontaminated before and after each use with a laboratory-grade detergent (e.g., Liquinox®) followed by a distilled water rinse. New tubing was used for purging and sampling each well.

4.3. Groundwater Analyses

Groundwater samples collected during the third quarter 2022 groundwater monitoring event were submitted to Apex Laboratories of Tigard, Oregon, for analysis. Samples were analyzed for one of the following:

- VOCs by EPA Method 8260D, or
- Total and dissolved metals (antimony, arsenic, barium, cadmium, chromium, copper, lead, manganese, nickel, zinc) by EPA Method 6020A.

Laboratory analytical data reports and a data quality review are provided in Appendix C. As described in additional detail in Appendix C, the data quality review indicates that the analytical data, as qualified, are suitable for the intended use of evaluating groundwater quality at the Site.

4.4. Investigation-Derived Waste

Investigation-derived wastewater (e.g., purge water and decontamination water) was containerized and placed in the Site waste storage area. The wastewater was transported off site by Oil Re-Refining, a licensed waste transportation and treatment company, under an existing non-hazardous waste profile. Solid waste (e.g., gloves, tubing, etc.) was disposed of in a solid waste container.

5.0 GROUNDWATER MONITORING RESULTS

The following sections provide an evaluation of the third quarter 2022 groundwater elevations and gradient, as well as the laboratory analytical data.

5.1. Groundwater Elevations and Gradient

Depth to groundwater measurements and corresponding groundwater elevations are presented in Table 2. Groundwater elevations have been monitored at the Site since the early 1990s. Depth to groundwater at the Site generally ranges from 25 to 30 feet bgs in Area 1, 20 to 25 feet bgs in Area 2, and approximately 15 to 20 feet bgs in the Schnitzer ASD Yard. Perched groundwater is sometimes encountered at shallower depths at the Schnitzer ASD Yard.

Measured groundwater elevations during the third quarter groundwater monitoring event were consistent with previous data. Historical groundwater elevation data are listed in Appendix D.

5.2. Groundwater Analytical Results

The third quarter 2022 results for VOCs and metals are presented in Tables 4 and 5, respectively, along with the results of the previous three sampling events. Site-wide historical groundwater monitoring results are presented in Appendix E.

5.2.1. Volatile Organic Compounds

During the third quarter 2022 monitoring event, a groundwater sample for analysis of chlorinated VOCs was collected from Lakeside Industries monitoring well MW-103. Monitoring well MW-103 is located approximately 50 feet from the riverbank. Results are shown in Table 4.

Third Quarter 2022 VOC Results

One VOC, tetrachloroethene (PCE), was detected in groundwater samples at concentrations that exceeded the corresponding CUL or JSCS SLV. The concentration of PCE was compared to the Portland Harbor Record of Decision Cleanup Level to determine an exceedance ratio¹. The exceedance ratio for PCE in well MW-

¹ Exceedance Ratio = Detected Concentration/Regulatory Criteria. If both a primary and field duplicate were analyzed for VOCs, the higher of the two concentrations is used in the calculation of the exceedance ratio for the well.

103 was 4.9. The low exceedance ratio is typical of the limited regulatory exceedances exhibited in site groundwater. No other VOCs exceeded Regulatory Criteria.

VOC Concentration Trend Evaluation

The VOC concentration trends for well MW-103 were evaluated using the EPA Groundwater Statistics Tool (EPA, 2018). The EPA Groundwater Statistics Tool uses statistical methods to evaluate contaminant concentration trends in groundwater.

Both individual VOC and total molar halogenated VOC (HVOC) concentration trends for well MW-103 were evaluated. Evaluations of VOC concentration trends in Area 1 groundwater have been included in the last 17 quarterly monitoring reports, most recently in the *Second Quarter 2022 Groundwater Monitoring Report* (GeoEngineers, 2022c).

Individual VOC Trend Evaluation

Well MW-103 meets the following criteria for trend evaluation for PCE: (1) has exceeded the Regulatory Criteria at least one of the last four sampling events, and, as required by the EPA Groundwater Statistics Tool, has (2) exceeded the laboratory method reporting limit (MRL) four or more times during the period evaluated, and (3) includes at least eight sampling results for evaluation.

The results of the EPA Groundwater Statistics Tool concentration trend evaluation for PCE in well MW-103 are presented in Appendix F. As shown in Appendix F, PCE concentrations in well MW-103 show no statistical trend (i.e., concentrations are not increasing or decreasing).

Total Molar HVOC Trend Evaluation

In 2019, DEQ requested that evaluation of concentration trends for total molar HVOCs be included in future groundwater monitoring reports (DEQ, 2019). In accordance with that request, this section includes an evaluation of total molar HVOC concentration trends in well MW-103.

As shown in Appendix F, total molar HVOC concentrations in monitoring well MW-103 exhibited no statistically significant trend.

VOC Trend Evaluation Results

Therefore, both the statistical evaluations of individual VOC and total molar HVOC concentration trends for well MW-103 show that trends are statistically insignificant (i.e., indicating stable concentration trends²) in absence of groundwater treatment.

Natural attenuation processes, such as biodegradation, are expected to further reduce VOC concentrations between monitoring well locations and points of groundwater discharge to the river. Natural attenuation of VOCs is evident in Area 1 based on both the presence of de-chlorinated daughter products (e.g., 1,1-DCA), and by the measured reduction in HVOC mass over time. Individual and total molar VOC concentrations in Area 1 wells have consistently exhibited stable to decreasing trends since groundwater treatment was discontinued and since distributed stormwater infiltration was established at Area 1.

² Concentrations are defined herein as “stable” when the EPA Groundwater Statistics Tool indicates neither an increasing nor decreasing trend.

5.2.2. Metals

Samples from one Area 2 monitoring well (MW-82) and one Schnitzer ASD Yard well (MW-93) were analyzed for total and dissolved metals during the third quarter 2022 groundwater monitoring event.

Arsenic and manganese (total and dissolved) exceeded the regulatory criteria in both wells sampled for metals. As described in the *Revised Updated Groundwater Source Control Evaluation Report* (Cascadia, 2017), arsenic and manganese concentrations in groundwater that exceed Regulatory Criteria are widespread at the Site and in wells upgradient of the Site, suggesting that naturally occurring or regional concentrations exceed the Regulatory Criteria.

Data recently collected as part of the EPA-approved Pre-Remedial Design Investigation (Pre-RD Investigation) indicate that arsenic and manganese in porewater upstream of the Portland Harbor Superfund Site are approximately 58 micrograms per liter (µg/L) and 32,000 µg/L, respectively (AECOM/Geosyntec, 2019). These concentrations exceed the concentrations detected in groundwater at the Site, with the exception of arsenic in well MW-82, discussed below. Therefore, the data collected during the Portland Harbor Pre-RD Investigation suggest that the concentrations of arsenic and manganese in Site groundwater are naturally occurring, except at well MW-82.

Regulatory Criteria exceedance ratios for metals other than arsenic and manganese are summarized in the table below.

Analyte	Frequency of Exceedance	Average Exceedance Ratio	Maximum Exceedance Ratio	Regulatory Criterion	Well Exceeding Criterion
Antimony (total)	1/2	1.6	1.6	6 µg/L ⁽¹⁾	MW-82
Antimony (dissolved)	1/2	1.5	1.5	6 µg/L ⁽¹⁾	MW-82
Lead (total)	1/2	3.4	3.4	0.54 µg/L ⁽²⁾	MW-82
Zinc (total)	1/2	1.8	1.8	36.5 µg/L ⁽²⁾	MW-82
Zinc (dissolved)	1/2	1.2	1.2	36.5 µg/L ⁽²⁾	MW-82

Notes:

⁽¹⁾ Regulatory criterion = JSCS SLV

⁽²⁾ Regulatory criterion = Portland Harbor Record of Decision Groundwater CUL

As shown above, excluding arsenic and manganese, only MW-82 contained one or more metals concentrations (total or dissolved) exceeding Regulatory Criteria. Additionally, excluding arsenic and manganese, dissolved metals exceedance ratios were extremely low (ranging from 1.2 to 1.5). Concentrations of metals in well MW-93 (the replacement well for MW-14) were less than Regulatory Criteria, with the exception of arsenic and manganese. Of note, zinc was not detected above the laboratory MRL in the well MW-93 groundwater sample.

Well MW-82 exhibited elevated concentrations of arsenic relative to Regulatory Criteria and historic Site-wide levels, during several recent monitoring events, including the third quarter 2022 groundwater monitoring event.

Therefore, with very few exceptions (i.e., arsenic in well MW-82), metals concentrations in Site groundwater are low and, unless naturally occurring, infrequently exceed Regulatory Criteria, and exceedances are of low magnitude.

Dissolved Metals Concentration Trends

Metal concentration trends for well MW-82 were evaluated using the EPA Groundwater Statistics Tool, in wells where a sufficient dataset is available and where metal concentrations were potentially increasing, per DEQ request (DEQ, 2020). The EPA Groundwater Statistics Tool recommends a minimum of eight results and requires that at least four samples exhibit concentrations that exceed the laboratory MRL for evaluation, so the metals concentrations in well MW-93 could not be evaluated.

The results of the EPA Groundwater Statistics Tool concentration trend evaluation for metals in well MW-82 are presented in Appendix G. Because dissolved metals are more representative of the mobile fraction of metals in groundwater, dissolved metals concentration trends were evaluated—although, total and dissolved metals concentrations in Site groundwater are generally similar (Table 5). Antimony, arsenic, and zinc concentrations in well MW-82 were evaluated.

Results for the metals trend analysis are shown in Appendix G. The evaluation of antimony, arsenic, and zinc in well MW-82 shows that concentration trends are stable (i.e., no statistically significant trend). Although metal concentration trends in well MW-93 were not evaluated using the EPA Groundwater Statistics Tool, the concentrations of metals in these wells do not exceed Regulatory Criteria and/or are not apparently increasing.

5.3. Results Summary

The third quarter 2022 groundwater monitoring event included groundwater elevation measurement and sample collection at three monitoring wells. In summary:

- Groundwater elevations during the third quarter 2022 monitoring event were consistent with those observed during previous monitoring events.
- Groundwater chemical analytical data collected during the third quarter 2022 monitoring event were consistent with historical data. That is, analyte concentrations rarely exceed Regulatory Criteria, and when exceedances occur, the exceedance ratios are generally low. Consistent with previous events, arsenic concentrations in well MW-82 groundwater are an exception.
- Concentrations of VOCs and dissolved metals in groundwater at the Site do not exhibit increasing trends.

Overall, the third quarter 2022 monitoring results continue to demonstrate that the low concentrations of constituents in groundwater at the Site pose no significant threat to the river. As noted in Section 3.4, further investigation of arsenic in well MW-82 groundwater and porewater offshore of the Facility is planned for 2023.

6.0 REFERENCES

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Table 1
Groundwater Monitoring Program
Gunderson LLC
Portland, Oregon

Area	Monitoring Well	Total Depth (feet bgs)	Screened Interval (feet bgs)	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		VOCs	PAHs	Total Metals	Dissolved Metals
				gauge	sample	gauge	sample	gauge	sample	gauge	sample				
Area 1	MW-19	30.0	15 -30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-21	35.0	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-22	35.0	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-27	44.0	34-44	--	--	X	X	--	--	X	X	X	--	--	--
	MW-36	52.5	47-52	--	--	X	X	--	--	X	X	X	--	--	--
	MW-39	49.5	39-49	--	--	X	X	--	--	X	X	X	--	--	--
	MW-40	51.5	45-51	--	--	--	--	--	--	--	--	--	--	--	--
	MW-41	51.5	45-51	--	--	--	--	--	--	--	--	--	--	--	--
	MW-42	56.3	45.8-55.8	--	--	--	--	--	--	X	X	X	--	--	--
	MW-43	61.5	56-61	--	--	X	X	--	--	X	X	X	--	--	--
	MW-44	57.5	47.5-57.5	--	--	--	--	--	--	--	--	--	--	--	--
	MW-49	32.0	23-33	--	--	--	--	--	--	--	--	--	--	--	--
	MW-50	50.0	40-50	--	--	--	--	--	--	X	X	X	--	--	--
	MW-51	41.0	36-41	--	--	X	X	--	--	X	X	X	--	--	--
	MW-52	48.0	38-48	--	--	X	X	--	--	X	X	X	--	--	--
	MW-53	101.5	90.5-101	--	--	--	--	--	--	--	--	--	--	--	--
	MW-62	43.0	32-42	--	--	--	--	--	--	--	--	--	--	--	--
	MW-70	37.0	22-37	--	--	X	X	--	--	X	X	X	--	--	--
	MW-71	49.0	39-49	--	--	--	--	--	--	--	--	--	--	--	--
	WEX-60	50.0	30-50	--	--	--	--	--	--	--	--	--	--	--	--
Area 2	MW-90	39.0	14-39	--	--	--	--	--	--	--	--	--	--	--	--
	MW-91	35.0	15-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-103	33.5	23-33	X	X	X	X	X	X	X	X	X ⁽⁶⁾	--	--	--
	MW-17	34.5	19.5-34.5	--	--	--	--	--	--	--	--	--	--	--	--
	MW-23	35.0	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-24	35.0	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-31	35.0	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-66	41.0	20-40	--	--	--	--	--	--	X	X	--	X	--	--
	MW-81	35.0	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-82	30.0	10-30	X	X	X	X	X	X	X	X	--	--	X	X
Schnitzer ASD Yard	MW-83	35.0	15-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-84	30.0	10-30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-85	35.0	15-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-92	35.0	15-35	--	--	X	X	--	--	X	X	--	--	X	X
	MW-10	20.0	5-20	--	--	--	--	--	--	--	--	--	--	--	--
	MW-11	21.5	6.5-21.5	--	--	--	--	--	--	--	--	--	--	--	--
	MW-14	30.0	15-30	Well decommissioned in January 2022; MW-93 installed as replacement											
	MW-72	30.0	15-30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-73	30.0	15-30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-74	36.5	20-35	--	--	X	X	--	--	X	X	--	--	X	X
	MW-76	36.5	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-77	36.5	20-35	--	--	--	--	--	--	--	--	--	--	--	--
	MW-79	15.0	5-15	--	--	X	X	--	--	X	X	--	--	X	X
	MW-80	20.0	5-20	--	--	--	--	--	--	--	--	--	--	--	--
	MW-86	30.0	10-30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-87	30.0	10-30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-88	30.0	10-30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-89	30.0	10-30	--	--	--	--	--	--	--	--	--	--	--	--
	MW-93	30.0	15-30	X	X	X	X	X	X	X	X	--	--	X	X

Notes:

1. VOCs = volatile organic compounds by United States Environmental Protection Agency (EPA) Method 8260D

2. PAHs = polycyclic aromatic hydrocarbons by EPA Method 8270D/8270E.

3. Metals = antimony, arsenic, barium, cadmium, chromium, copper, lead, manganese, mercury, nickel, and zinc by EPA 6000/7000 series

4. feet bgs = feet below the ground surface.

5. -- = Not sampled for listed parameter or not gauged.

6. Groundwater samples collected from well MW-103 are analyzed for chlorinated VOCs by EPA Method 8260D

7. Gunderson monitoring wells MW-43, MW-44, MW-50, and MW-51 and Lakeside Industries well MW-103 are located on Lakeside Industries property, adjacent to Area 1 of the Gunderson site

8. DEQ approved implementation of this reduced monitoring program in a June 8, 2022 email

Table 2

Groundwater Elevation Data - Third Quarter 2022

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (Feet MSL) ¹	Depth to Groundwater (Feet)	Groundwater Elevation (Feet MSL)
AREA 1				
MW-103	9/21/2022	39.53	31.10	8.43
AREA 2				
MW-82	9/21/2022	32.89	23.41	9.48
SCHNITZER ASD YARD				
MW-93	9/21/2022	NS	24.00	NS

Notes:

1. Feet MSL = feet relative to mean sea level, NAVD88 datum.
2. Dedicated electric pump installed by Lakeside Industries.
3. NS = Not surveyed. Well MW-93 was installed in December 2021 and has not yet been surveyed.

Table 3
Groundwater Field Parameters - Third Quarter 2022
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	pH	Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)
AREA 1						
MW-103	11/30/2021	6.12	14.5	419.9	0.9	-99.0
	3/1/2022	6.06	14.4	373.1	0.41	-1.1
	6/21/2022	6.22	14.0	191.8	1.44	169.5
	9/21/2022	6.15	16.5	399.8	1.39	21.7
AREA 2						
MW-82	12/1/2021	6.69	15.0	948	0.32	-249.9
	3/2/2022	6.96	14.5	618	0.13	-124.9
	6/22/2022	6.69	15.1	562	0.58	-113.5
	9/21/2022	6.95	16.3	702	0.15	-152.1
SCHNITZER ASD YARD						
MW-93	12/29/2021	7.30	12.01	377	0.18	-113.9
	3/2/2022	6.02	15.1	1130	0.87	42.6
	6/22/2022	6.09	16.4	996	0.52	-54.1
	9/21/2022	6.38	17.2	945	0.74	-128.7

Notes:

1. Measurements presented are the final readings recorded prior to sample collection.
2. °C = degrees Celsius; µS/cm = microsiemens per centimeter; mg/L = milligrams per liter;
3. NM = not measured. Sample from WEX-60 was collected as a grab sample due to the presence of the extraction pump.
4. --* = pH meter malfunction

Table 4
Third Quarter 2022 Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
		AREA 1																			
MW-103	11/30/2021	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/1/2022	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2022	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/21/2022	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
ROD Cleanup Level ⁴ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁷ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table 4
Third Quarter 2022 Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																			
		AREA 1																			
MW-103	11/30/2021	--	--	<0.500	<0.500	13.4	<0.400	3.47	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	3/1/2022	--	--	<0.500	<0.500	16.5	<0.400	3.74	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	6/21/2022	--	--	<0.500	<0.500	1.75	<0.400	0.510	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	9/21/2022	--	--	<0.500	<0.500	10.8	<0.400	3.10	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
ROD Cleanup Level ⁴ .		NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JSCS SLV ⁷ .		0.033	61	49	14	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table 4
Third Quarter 2022 Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-103	11/30/2021	--	--	<10.0	--	--	--	<0.400	<0.500	0.887	--	<2.00	<2.00	0.530	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--
	3/1/2022	--	--	<10.0	--	--	--	<0.400	<0.500	0.680	--	<2.00	<2.00	0.600	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--
	6/21/2022	--	--	<10.0	--	--	--	<0.400	<0.500	0.470	--	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--
	9/21/2022	--	--	<10.0	--	--	--	<0.400	<0.500	1.18	--	<2.00	<2.00	0.540	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--
ROD Cleanup Level ⁴ .		NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	13.0
JSCS SLV ⁷ .		170	37	8.9	0.2	NA	100	2.5	0.33	0.12	9.8	NA	8.2	11	1.2	0.17	1,300	0.0095	NA	NA	0.015	1.8	

Notes:

1. < = constituent was not detected at a concentration greater than laboratory reporting limit shown.

2. -- = not applicable or not established.

3. µg/L (ppb) = micrograms per liter (parts per billion).

4. ROD Groundwater Cleanup Levels for the Record of Decision Table 17 for Portland Harbor Superfund Site (January 2020 U.S. EPA Errata #2).
If a Groundwater Cleanup Level was not available, the Surface Water Cleanup Level was used, per DEQ Guidance.

5. J = concentration is less than the laboratory reporting limit but greater than the laboratory detection limit. The reported value is an estimate.

6. Bold = analyte was detected above the laboratory method detection limit.

7. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005.

8. Shading denotes analyte detected above screening criteria. As instructed by DEQ, concentrations of analytes were compared to the Portland Harbor Cleanup Level. If neither a Groundwater or Surface Water Cleanup Level was available, the data were compared to the Joint Source Control Strategy Screening Level Value.

Table 5
Third Quarter 2022 Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-82	12/1/2021	19.2	18.2	213	199	441	403	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	1.17	0.572	1,490	1,450	--	--	14.1	12.3	122	108
	3/2/2022	17.7 Q-41	16.4	154	146	260	248	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.765	<0.200	1,170	1,060	--	--	8.21	7.77	81.4	72.9
	6/22/2022	14.8	14.3	150	162	230	229	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.989	<0.200	1,050	1,070	--	--	7.87	7.93	69.5	62.6
	9/21/2022	9.34	9.28	65.9	67.9	203	200	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	1.82	<0.200	1,350	1,450	--	--	4.11	4.42	64.6	43.5
SCHNITZER ASD YARD																							
MW-93	12/29/2021	<1.00	<1.00	10.6	10.8	138	133	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	3,100	3,050	--	--	4.27	3.80	<4.00	<4.00
	3/2/2022	<1.00	<1.00	13.9	13.0	204	176	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	4,700	3,840	--	--	<2.00	<2.00	<4.00	<4.00
	6/22/2022	<1.00	<1.00	13.4	14.7	141	134	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,990	2,010	--	--	<2.00	<2.00	<4.00	<4.00
	9/21/2022	<1.00	<1.00	15.3	15.8	133	127	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.219	<0.200	3,250	3,270	--	--	<2.00	<2.00	<4.00	<4.00
	9/21/2022 DUP	<1.00	<1.00	14.9	15.8	130	127	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	3,100	3,090	--	--	2.43	<2.00	<4.00	<4.00
ROD Cleanup Level ⁵		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5	
JSCS SLV ⁶		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36	

Notes:

1. µg/L (ppb) = micrograms per liter (parts per billion).

2. **Bold** denotes analyte detected above laboratory detection limit.

3. -- = not analyzed or not applicable.

4. Dissolved = sample was field filtered using a 0.45 µm filter.

5. ROD Groundwater Cleanup Levels from U.S. EPA Errata #2 for the Record of Decision Table 17 for Portland Harbor Superfund Site, Portland, Oregon, January 2020. If a Groundwater Cleanup Level was not available, the Surface Water Cleanup Level was used, per DEQ Guidanc

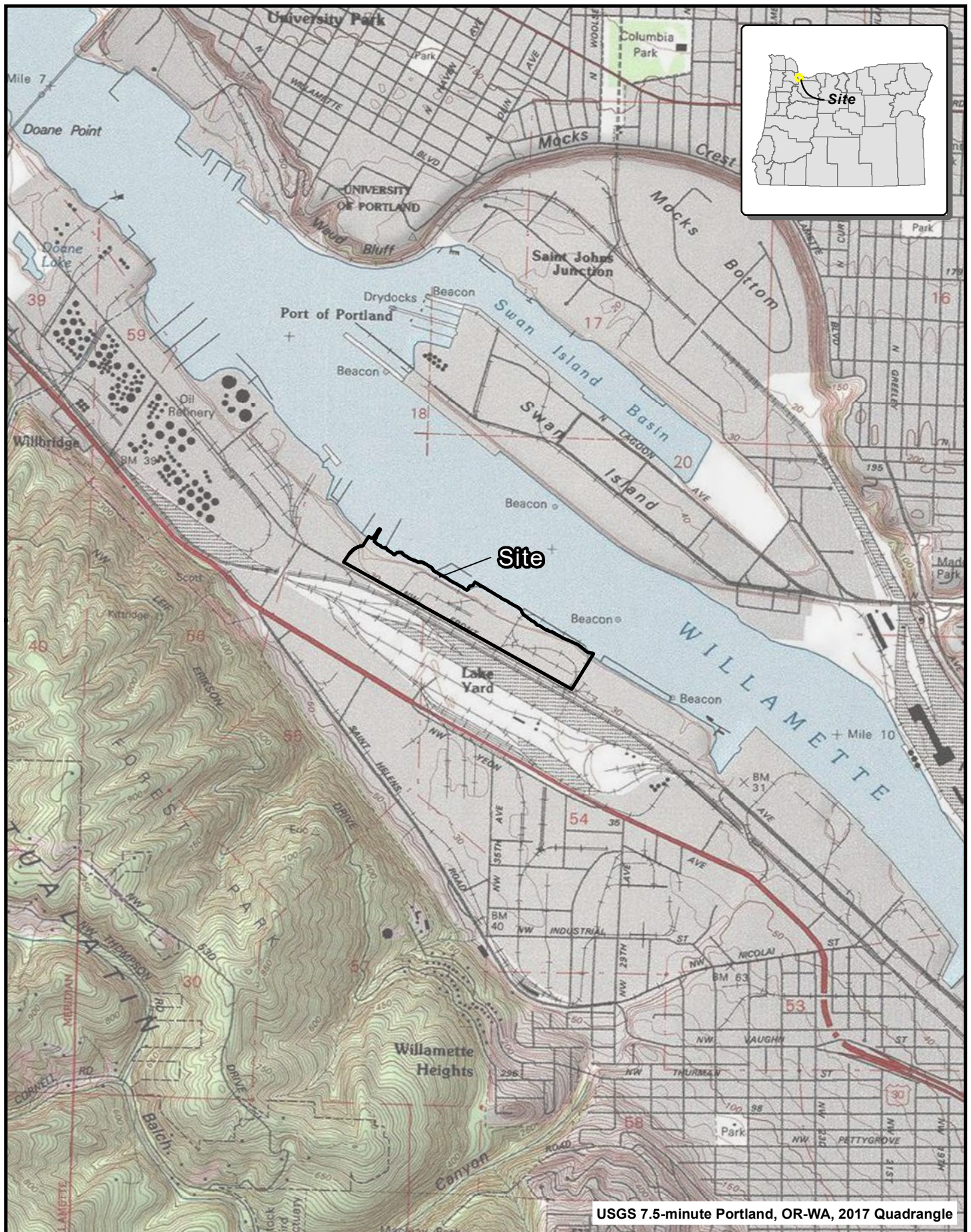
6. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005

7. Shading denotes analyte detected above screening criteria. As instructed by DEQ, concentrations of analytes were compared to the Portland Harbor Cleanup Level. If neither a Groundwater or Surface Water Cleanup Level was available, data were compared to the Joint Source Control Strategy Screening Level Value.

8. H-01 = This sample was analyzed outside the recommended holding time

9. < = constituent was not detected at a concentration greater than laboratory reporting limit shown

10. Q-41 = estimated results, likely biased high.



USGS 7.5-minute Portland, OR-WA, 2017 Quadrangle



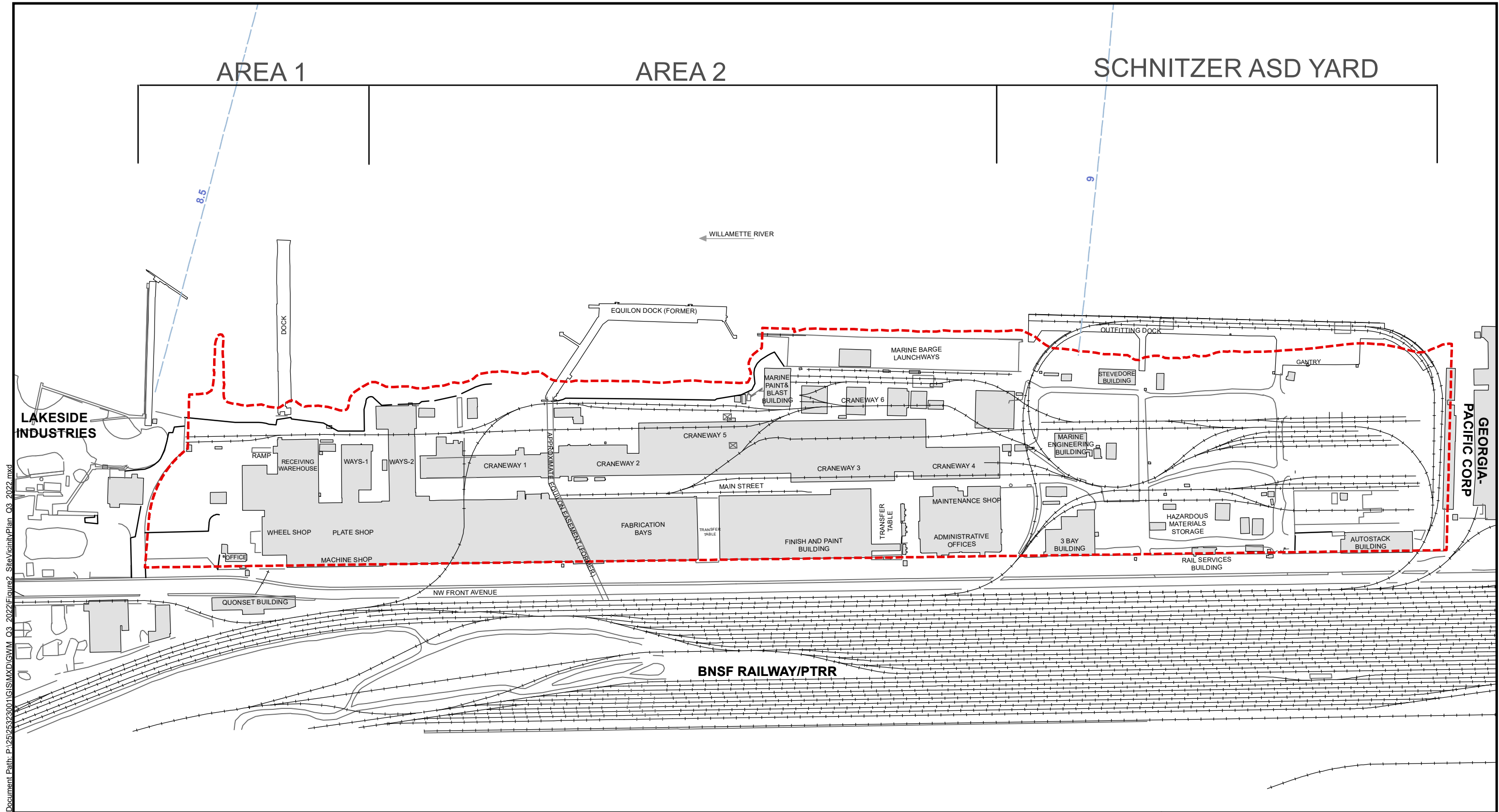
PREPARED BY: ES

DATE: 12/15/2022

Site Location Map Third Quarter 2022 Groundwater Monitoring Report Gunderson LLC Portland, Oregon

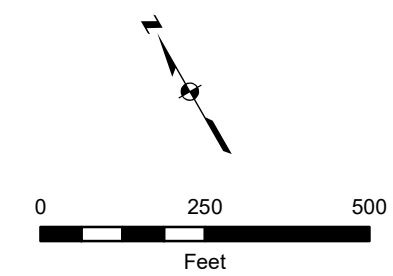
Figure
1

PROJECT:025323-001
 -10/-11/-12



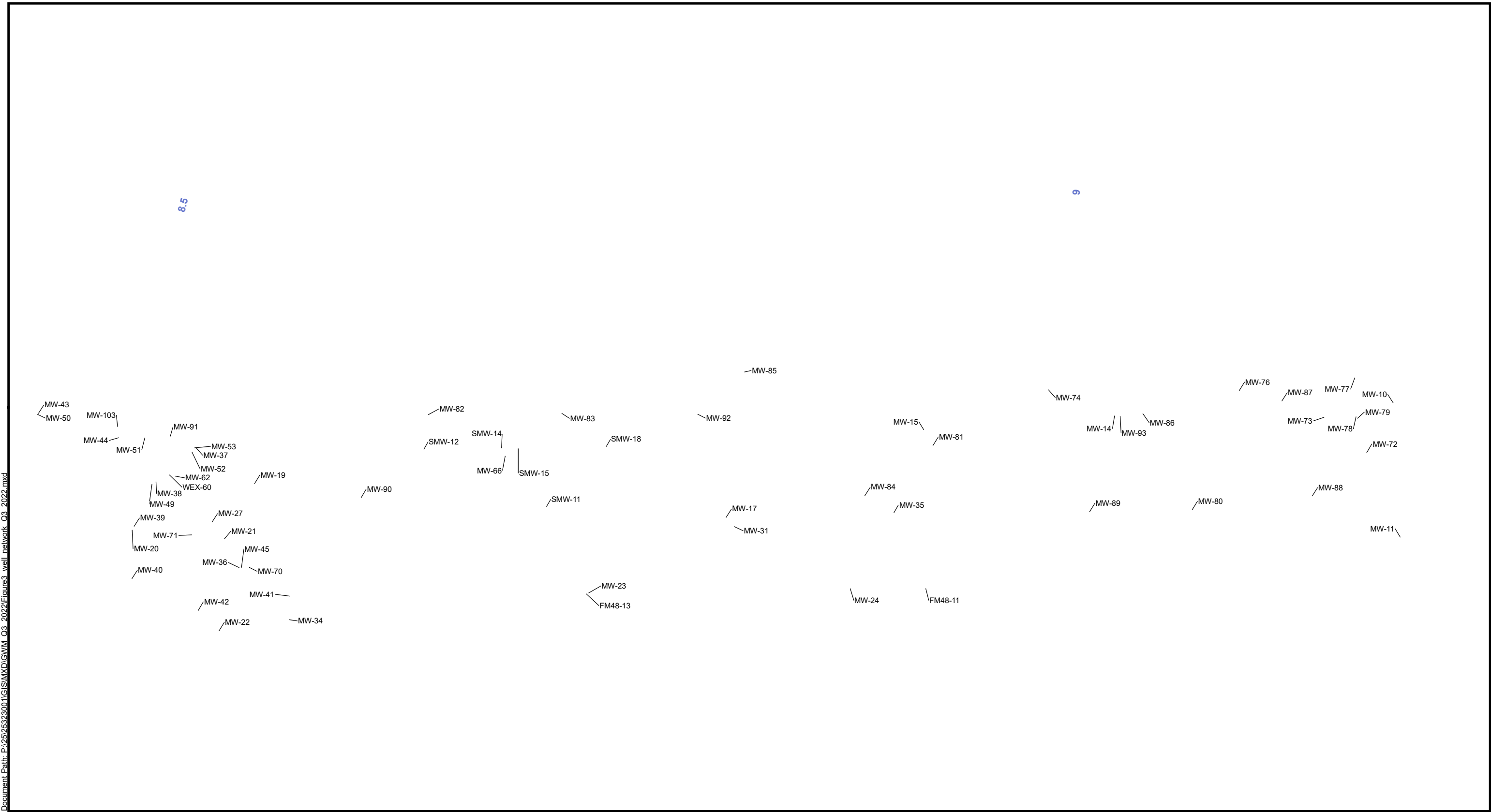
Document Path: P:\25323001\GIS\MXD\GWM_Q3_2022\Figure2_SiteVicinityPlan_Q3_2022.mxd

Legend
 - - - River Mile
 - - - Site Property Boundary



Site Vicinity Plan Third Quarter 2022 Groundwater Monitoring Report Gunderson LLC Portland, Oregon		
		Figure 2
PREPARED BY: estrandhagen	DATE: 12/15/2022	PROJECT: 025323-001 -11/-12/-13

Document Path: P:\25\25323001\GIS\MXD\GWM_Q3_2022\Figure3_well_network_Q3_2022.mxd



Legend

Well Network

-  Decommissioned Monitoring Well
-  Monitoring Well - In Current Groundwater Monitoring Program
-  Monitoring Well - Not in Current Groundwater Monitoring Program

-  River Mile
-  Site Property Boundary



Groundwater Monitoring Well Network
Third Quarter 2022
Groundwater Monitoring Report
Gunderson LLC
Portland, Oregon



Figure
3

PREPARED BY: estrandhagen

DATE: 12/15/2022

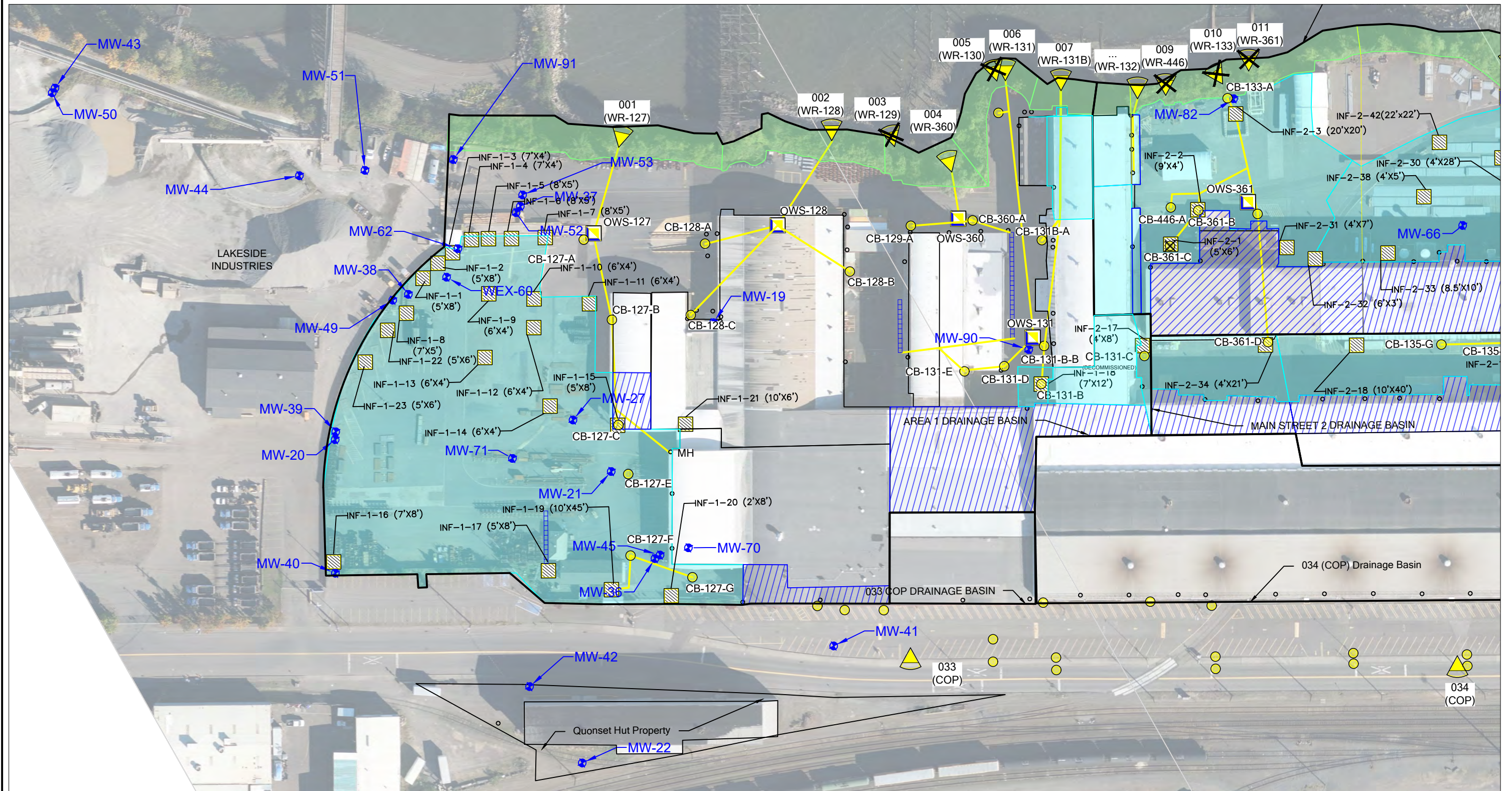
PROJECT:025323-001
-11/-12/-13

Sources:
Johnson Land Surveying; Minister and Glaeser Surveying.
Coordinate System:
North American Datum of 1983 (2011) State Plane Oregon North (International Feet)

APPENDIX A

Select Figures from August 2022 Gunderson Stormwater Pollution Control Plan

Last Saved by: Andre on: Aug 9, 2022 3:53 PM File: D:\FS\IFSP\Projects\Gunderson\Stormplan update 2021\GundersonStorm Base 8-9-22 Storm Site Base.dwg



MATCHLINE SEE FIGURE W-2

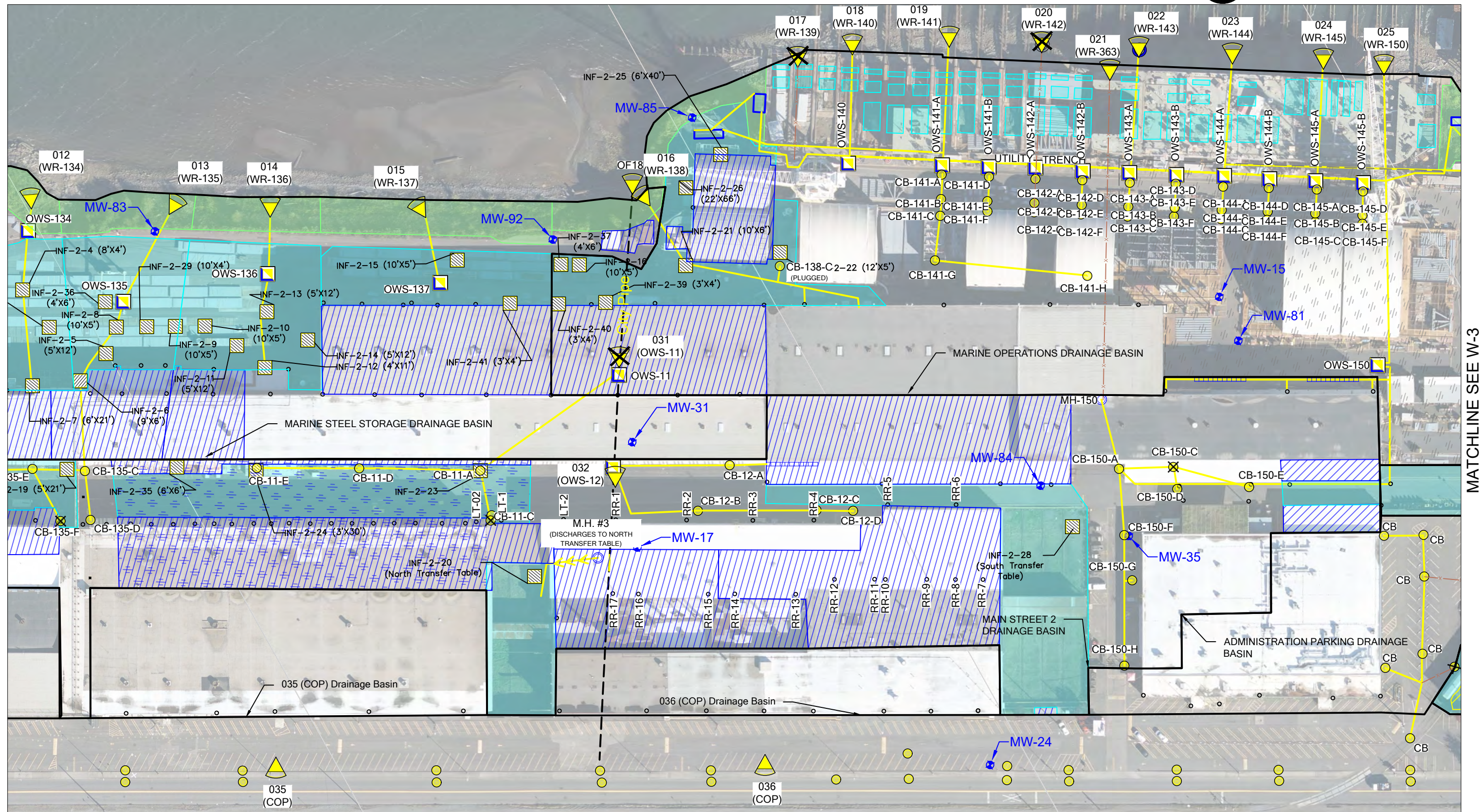
GROUNDWATER MONITORING WELLS

Scale: 1"=100'
Datum: NAVD88
Survey Base : 2020 V22

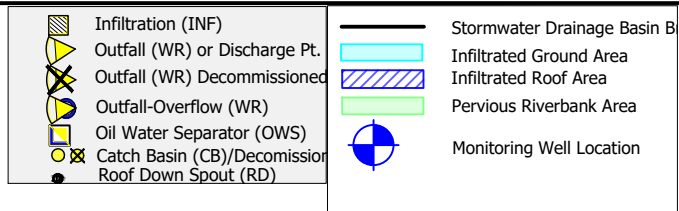
Gunderson LLC
4350 NW Front Ave.
Portland Oregon
GREENBRIER
Gunderson

Site Area - North
STORM WATER POLLUTION
CONTROL PLAN
REV: 8/9/2022
SHEET: W-1

MATCHLINE SEE W-1



MATCHLINE SEE W-3



GROUNDWATER MONITORING WELLS

Scale: 1"=100'

Datum: NAVD88

Survey Base : 2020 V22

Gunderson LLC
4350 NW Front Ave.
Portland Oregon

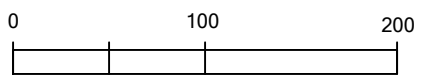
GREENBRIER
Gunderson

Site Area - Central

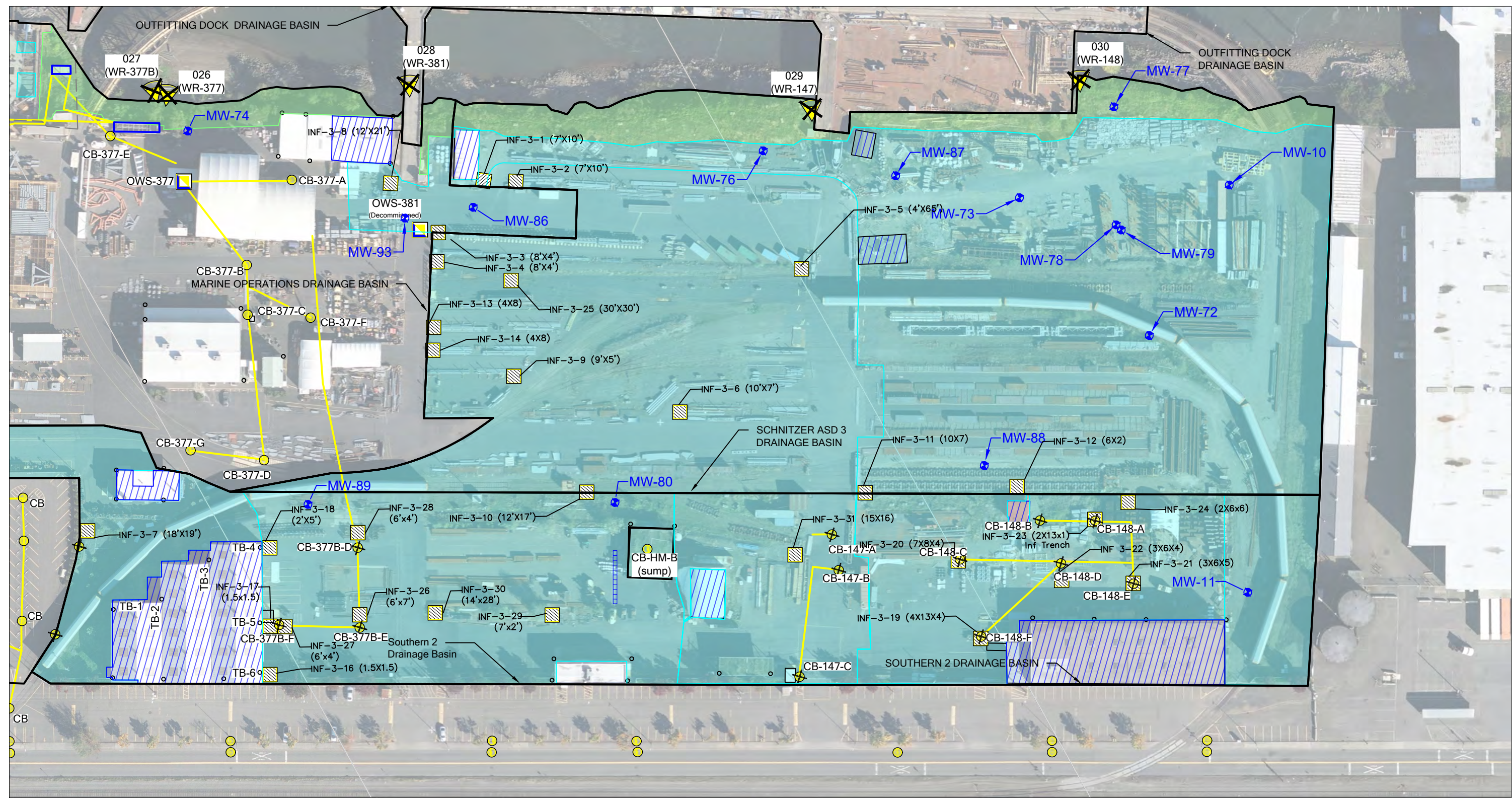
STORM WATER POLLUTION CONTROL PLAN

REV: 8/9/2022

SHEET: W-2



MATCHLINE SEE W-2



Infiltration (INF)	Stormwater Drainage Basin
Outfall (WR) or Discharge Pt.	Infiltrated Ground Area
Outfall (WR) Decommissioned	Infiltrated Roof Area
Outfall-Overflow (WR)	Pervious Riverbank Area
Oil Water Separator (OWS)	Monitoring Well Location
Catch Basin (CB)/Decommissioned	
Roof Down Spout (RD)	

GROUNDWATER
MONITORING WELLS
Scale: 1"=100'
Datum: NAVD88
Survey Base : 2020 V22

Gunderson LLC
4350 NW Front Ave.
Portland Oregon
GREENBRIER
Gunderson

Site Area - South

STORM WATER POLLUTION
CONTROL PLAN
REV: 8/9/2022
SHEET: W-3

APPENDIX B

Field Documentation

WELL MONITORING DATA SHEET

		Well ID:	MW-103		Job Number:					
		Client:	Gunderson		Date:	9/21/22				
		Project:	3022 GUM		Sampler:	JW/SK				
		Weather:	Sunny 85°F		Time In/Out:					
WELL DATA										
Monument Type:	Flush-mount <u>Stick-up</u>	Well Diameter:	2"		Depth to Free Product:					
	Other:	Well Depth:			Free Product Thickness:					
Monument Condition:	<u>Good</u>	Depth to Water:	31.10		Water Column Length:					
Well Cap Lock Present:	<u>Yes</u> No	Screened Interval:			Purge Volume:					
Comments:										
Purge Volume = (Water Height) X (Multiplier) X (# Casing Volumes)										
Water height multipliers (gal):		1-inch well = 0.041		2-inch = 0.162	4-inch = 0.653	1 gal = 3.785 liters				
PURGING DATA										
Purge Method:	<u>Bladder Pump</u>			Pump Intake Depth:	<u>Midscreen</u>					
Sampling Method:	<u>Low flow</u>			Tubing Material & Type:	<u>Skip bond</u> <u>NEW</u> DEDICATED					
Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5 °C	+/-5%	+/-0.5 ppm	+/-20 mV	
1252			31.78	0.20	6.27	19.8	418.4	3.93	-7.8	Clear
1255			31.95	0.20	6.16	16.1	401.7	1.23	20.7	
1258			32.05	0.20	6.15	15.7	402.2	0.84	14.2	
1301				0.20	6.15	15.5	396.6	1.07	19.4	
1304				0.20	6.15	15.4	396.9	1.54	22.9	
1307				0.20	6.15	16.3	396.9	1.46	24.9	
1310				0.20	6.14	16.5	399.6	1.19	19.0	
1313				0.20	6.15	16.5	399.8	1.39	21.7	
PURGING DATA										
Sample ID:	MW-103		Sampling Flow Rate:	0.20 LPM		Analytical Laboratory:	Apex			
Sample Time:	1313		Final Depth to Water:	31.62		Did Well Dewater:	Yes			
No. of Containers/Type	Preservative		Analysis/Method	Field Filtered	Filter Size	MS/MSD	Duplicate ID			
3X VOA	HCl		CHOCE							
			SR							
NOTES/ADDITIONAL COMMENTS										

WELL MONITORING DATA SHEET

GEOENGINEERS

Well ID: MW-93
 Client: Gundersen
 Project: GWM 3Q22
 Weather: Sun 75°

Job Number:
 Date: 9/21
 Sampler: 429/38
 Time In/Out:

WELL DATA

Monument Type: Flush-mount/Stick-up
 Other: good
 Monument Condition: good
 Well Cap Lock Present: Yes No
 Well Diameter: 2"
 Well Depth: -
 Depth to Water: 24.00
 Screened Interval: -
 Depth to Free Product: -
 Free Product Thickness: -
 Water Column Length: -
 Purge Volume: -

Comments:

Purge Volume = (Water Height) X (Multiplier) X (# Casing Volumes)

Water height multipliers (gal): 1-inch well = 0.041 2-inch = 0.162 4-inch = 0.653 1 gal = 3.785 liters

PURGING DATA

Purge Method: per
 Sampling Method: low flow
 Pump Intake Depth: mid screen
 Tubing Material & Type: LDPE NEW / DEDICATED

Time	Volume Purged (liters)	Cumulative Volume Purged (liters)	DTW (btc)	Purge Rate (L/min)	pH	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	Clarity/Color Other Remarks
					+/-0.1	+/-0.5 °C	+/-5%	+/-0.5 ppm	+/-20 mV	
1341			24.00	.2	6.30	22.1	594	2.21	-64.3	clear
1344			24.43		6.40	17.6	941	.38	-117.8	
1348			24.49		6.40	17.5	969	0.22	-123.9	
1351					6.39	17.3	947	0.18	-126.2	
1354					6.38	17.0	944	.50	-126.0	
1357					6.38	17.2	947	.65	-128.0	
1400					6.38	17.2	945	.74	-128.7	

PURGING DATA

Sample ID: MW-93
 Sample Time: 1400
 No. of Containers/Type: 1 x 250
 Preservative: HNO3
 Analysis/Method: DMet
 Field Filtered: Y
 Filter Size: 0.45 µm
 MS/MSD: MW-93 Dup
 Sampling Flow Rate: .2
 Final Depth to Water: 24.45
 Analytical Laboratory: Apex
 Did Well Dewater: No

NOTES/ADDITIONAL COMMENTS

9/21 Grundex von GWTM

Well	Time	DTW
MW-93	1040	24.00
MW-82	1055	23.41
MW-103	1145	31.10

Rite in the Rain

APPENDIX C

Laboratory Report and Data Quality Review

APPENDIX C

LABORATORY REPORT AND DATA QUALITY REVIEW

This appendix presents a quality review of laboratory analytical data collected for this project. Groundwater and stormwater analyses were performed by Apex Laboratories of Tigard, Oregon, under work order A210704. The following describes the results of the data quality review and identifies qualifiers that were added to the data by the laboratory or GeoEngineers as a result of the data quality review.

- Several of the matrix spike results for volatile organic compounds (VOCs) were flagged noting that the continuing calibration verification (CCV) recoveries failed exceeded the quality control (QC) limit for percent recovery. The matrix spike source sample was not related to the project. The noted VOCs are not constituents of concern at the Site and were not detected in project samples. No associated project data were flagged.
- The matrix spike (MS) recovery for manganese was flagged as estimated due to the high analyte concentration of the source sample. The source sample was not related to the project. No associated project data were flagged.
- Relative Percent Differences (RPDs) between the primary samples and field duplicate samples were evaluated (see Table C-1). As shown in Table C-1, the RPDs between the primary and duplicate samples were within quality control limits (less than 30 percent). Results from both primary and duplicate samples are included in Table 5.

GeoEngineers reviewed the laboratory narratives, data, and QC data and determined that the data are appropriate for the intended use of evaluating groundwater conditions at the site.

Table C-1
Field Duplicate RPD Evaluation
Gunderson, LLC
Portland, Oregon

Monitoring Location	Analytical Group	Analyte	Primary Sample Result	Field Duplicate Result	RPD
			Concentrations in micrograms per liter		
MW-93	Metals	Arsenic (Total)	15.3	14.9	2.6
		Arsenic (Dissolved)	15.8	15.8	0.0
		Barium (Total)	133	130	2.3
		Barium (Dissolved)	127	127	0.0
		Manganese (Total)	3,250	3,100	4.7
		Manganese (Dissolved)	3,270	3,090	5.7

Notes:

1. RPD = relative percent difference.

Percent RPD = $100 \times (\text{primary sample result} - \text{field duplicate result}) / [(\text{primary sample result} + \text{field duplicate result}) / 2]$
sample.

2. Shaded values exceed the quality control limit of 30 percent.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Thursday, October 13, 2022

Kirsten K. White
GeoEngineers - Portland
5820 S Kelly Ave Unit B
Portland, OR 97239

RE: A2I0704 - 3Q 2022 Gunderson GWM - [none]

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2I0704, which was received by the laboratory on 9/21/2022 at 5:03:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	5.5 degC
-----------	----------

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B
Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A2I0704 - 10 13 22 2155

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-93	A2I0704-01	Water	09/21/22 14:00	09/21/22 17:03
MW-82	A2I0704-02	Water	09/21/22 14:39	09/21/22 17:03
MW-103	A2I0704-03	Water	09/21/22 13:13	09/21/22 17:03
MW-93 Dup	A2I0704-04	Water	09/21/22 14:00	09/21/22 17:03

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: 3Q 2022 Gunderson GWM

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A210704 - 10 13 22 2155

ANALYTICAL SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-103 (A210704-03)		Matrix: Water			Batch: 2210917			
Bromochloromethane	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Bromodichloromethane	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Carbon tetrachloride	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Chlorobenzene	ND	---	0.500	ug/L	1	09/28/22 19:10	EPA 8260D	
Chloroethane	ND	---	5.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Chloroform	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Chloromethane	ND	---	5.00	ug/L	1	09/28/22 19:10	EPA 8260D	
2-Chlorotoluene	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
4-Chlorotoluene	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Dibromochloromethane	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	09/28/22 19:10	EPA 8260D	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	09/28/22 19:10	EPA 8260D	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	09/28/22 19:10	EPA 8260D	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	09/28/22 19:10	EPA 8260D	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
1,1-Dichloroethane	10.8	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
1,1-Dichloroethene	3.10	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	09/28/22 19:10	EPA 8260D	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Methylene chloride	ND	---	10.0	ug/L	1	09/28/22 19:10	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	09/28/22 19:10	EPA 8260D	
Tetrachloroethene (PCE)	1.18	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	09/28/22 19:10	EPA 8260D	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	09/28/22 19:10	EPA 8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: 3Q 2022 Gunderson GWM

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A2I0704 - 10 13 22 2155

ANALYTICAL SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-103 (A2I0704-03)		Matrix: Water			Batch: 22I0917			
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	09/28/22 19:10	EPA 8260D	
1,1,1-Trichloroethane	0.540	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	09/28/22 19:10	EPA 8260D	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	09/28/22 19:10	EPA 8260D	
Vinyl chloride	ND	---	0.400	ug/L	1	09/28/22 19:10	EPA 8260D	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery:</i>	109 %	<i>Limits:</i>	80-120 %	1	09/28/22 19:10	EPA 8260D
<i>Toluene-d8 (Surr)</i>			99 %		80-120 %	1	09/28/22 19:10	EPA 8260D
<i>4-Bromofluorobenzene (Surr)</i>			102 %		80-120 %	1	09/28/22 19:10	EPA 8260D

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Philip Nerenberg, Lab Director

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**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**GeoEngineers - Portland**
5820 S Kelly Ave Unit B
Portland, OR 97239Project: **3Q 2022 Gunderson GWM**
Project Number: [none]
Project Manager: **Kirsten K. White****Report ID:**
A2I0704 - 10 13 22 2155**ANALYTICAL SAMPLE RESULTS****Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-93 (A2I0704-01) Matrix: Water								
Batch: 22I0960								
Antimony	ND	---	1.00	ug/L	1	10/07/22 14:59	EPA 6020B	
Arsenic	15.3	---	1.00	ug/L	1	10/07/22 14:59	EPA 6020B	
Barium	133	---	2.00	ug/L	1	10/07/22 14:59	EPA 6020B	
Cadmium	ND	---	0.200	ug/L	1	10/07/22 14:59	EPA 6020B	
Chromium	ND	---	2.00	ug/L	1	10/07/22 14:59	EPA 6020B	
Copper	ND	---	2.00	ug/L	1	10/07/22 14:59	EPA 6020B	
Lead	0.219	---	0.200	ug/L	1	10/07/22 14:59	EPA 6020B	
Nickel	ND	---	2.00	ug/L	1	10/07/22 14:59	EPA 6020B	
Zinc	ND	---	4.00	ug/L	1	10/07/22 14:59	EPA 6020B	
MW-93 (A2I0704-01RE1) Matrix: Water								
Batch: 22I0960								
Manganese	3250	---	10.0	ug/L	10	10/08/22 00:19	EPA 6020B	
MW-82 (A2I0704-02) Matrix: Water								
Batch: 22I0960								
Antimony	9.34	---	1.00	ug/L	1	10/07/22 15:04	EPA 6020B	
Arsenic	65.9	---	1.00	ug/L	1	10/07/22 15:04	EPA 6020B	
Barium	203	---	2.00	ug/L	1	10/07/22 15:04	EPA 6020B	
Cadmium	ND	---	0.200	ug/L	1	10/07/22 15:04	EPA 6020B	
Chromium	ND	---	2.00	ug/L	1	10/07/22 15:04	EPA 6020B	
Copper	ND	---	2.00	ug/L	1	10/07/22 15:04	EPA 6020B	
Lead	1.82	---	0.200	ug/L	1	10/07/22 15:04	EPA 6020B	
Manganese	1350	---	1.00	ug/L	1	10/07/22 15:04	EPA 6020B	
Nickel	4.11	---	2.00	ug/L	1	10/07/22 15:04	EPA 6020B	
Zinc	64.6	---	4.00	ug/L	1	10/07/22 15:04	EPA 6020B	
MW-93 Dup (A2I0704-04) Matrix: Water								
Batch: 22I0960								
Antimony	ND	---	1.00	ug/L	1	10/07/22 15:09	EPA 6020B	
Arsenic	14.9	---	1.00	ug/L	1	10/07/22 15:09	EPA 6020B	
Barium	130	---	2.00	ug/L	1	10/07/22 15:09	EPA 6020B	
Cadmium	ND	---	0.200	ug/L	1	10/07/22 15:09	EPA 6020B	

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**ANALYTICAL REPORT****Apex Laboratories, LLC**

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503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A2I0704 - 10 13 22 2155****ANALYTICAL SAMPLE RESULTS****Total Metals by EPA 6020B (ICPMS)**

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-93 Dup (A2I0704-04)			Matrix: Water					
Chromium	ND	---	2.00	ug/L	1	10/07/22 15:09	EPA 6020B	
Copper	ND	---	2.00	ug/L	1	10/07/22 15:09	EPA 6020B	
Lead	ND	---	0.200	ug/L	1	10/07/22 15:09	EPA 6020B	
Nickel	2.43	---	2.00	ug/L	1	10/07/22 15:09	EPA 6020B	
Zinc	ND	---	4.00	ug/L	1	10/07/22 15:09	EPA 6020B	
MW-93 Dup (A2I0704-04RE1)			Matrix: Water					
Batch: 22I0960								
Manganese	3100	---	10.0	ug/L	10	10/08/22 00:24	EPA 6020B	

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ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: 3Q 2022 Gunderson GWM

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A2I0704 - 10 13 22 2155

ANALYTICAL SAMPLE RESULTS

Dissolved Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-93 (A2I0704-01) Matrix: Water								
Batch: 22I1036								
Antimony	ND	---	1.00	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Arsenic	15.8	---	1.00	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Barium	127	---	1.00	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Cadmium	ND	---	0.200	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Chromium	ND	---	2.00	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Copper	ND	---	2.00	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Lead	ND	---	0.200	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Nickel	ND	---	2.00	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
Zinc	ND	---	4.00	ug/L	1	09/30/22 19:06	EPA 6020B (Diss)	
MW-93 (A2I0704-01RE1) Matrix: Water								
Batch: 22I1036								
Manganese	3270	---	10.0	ug/L	10	10/03/22 15:46	EPA 6020B (Diss)	
MW-82 (A2I0704-02) Matrix: Water								
Batch: 22I1036								
Antimony	9.28	---	1.00	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
Arsenic	67.9	---	1.00	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
Barium	200	---	1.00	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
Cadmium	ND	---	0.200	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
Chromium	ND	---	2.00	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
Manganese	1450	---	1.00	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
Nickel	4.42	---	2.00	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
Zinc	43.5	---	4.00	ug/L	1	09/30/22 19:22	EPA 6020B (Diss)	
MW-82 (A2I0704-02RE1) Matrix: Water								
Batch: 22I1036								
Copper	ND	---	2.00	ug/L	1	10/03/22 16:24	EPA 6020B (Diss)	
Lead	ND	---	0.200	ug/L	1	10/03/22 16:24	EPA 6020B (Diss)	
MW-93 Dup (A2I0704-04) Matrix: Water								
Batch: 22I1036								
Antimony	ND	---	1.00	ug/L	1	09/30/22 19:27	EPA 6020B (Diss)	
Arsenic	15.8	---	1.00	ug/L	1	09/30/22 19:27	EPA 6020B (Diss)	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: 3Q 2022 Gunderson GWM

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A2I0704 - 10 13 22 2155

ANALYTICAL SAMPLE RESULTS

Dissolved Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW-93 Dup (A2I0704-04)			Matrix: Water					
Barium	127	---	1.00	ug/L	1	09/30/22 19:27	EPA 6020B (Diss)	
Cadmium	ND	---	0.200	ug/L	1	09/30/22 19:27	EPA 6020B (Diss)	
Chromium	ND	---	2.00	ug/L	1	09/30/22 19:27	EPA 6020B (Diss)	
Nickel	ND	---	2.00	ug/L	1	09/30/22 19:27	EPA 6020B (Diss)	
Zinc	ND	---	4.00	ug/L	1	09/30/22 19:27	EPA 6020B (Diss)	
MW-93 Dup (A2I0704-04RE1)			Matrix: Water					
Batch: 22I1036								
Manganese	3090	---	10.0	ug/L	10	10/03/22 16:02	EPA 6020B (Diss)	
MW-93 Dup (A2I0704-04RE2)			Matrix: Water					
Batch: 22I1036								
Copper	ND	---	2.00	ug/L	1	10/03/22 16:07	EPA 6020B (Diss)	
Lead	ND	---	0.200	ug/L	1	10/03/22 16:07	EPA 6020B (Diss)	

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**ANALYTICAL REPORT****Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A210704 - 10 13 22 2155****QUALITY CONTROL (QC) SAMPLE RESULTS****Halogenated Volatile Organic Compounds by EPA 8260D**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C						Water						
Blank (2210917-BLK1)			Prepared: 09/28/22 09:00		Analyzed: 09/28/22 11:29							
EPA 8260D												
Bromobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	---	10.0	ug/L	1	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A210704 - 10 13 22 2155**

QUALITY CONTROL (QC) SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C						Water						
Blank (2210917-BLK1)			Prepared: 09/28/22 09:00		Analyzed: 09/28/22 11:29							
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	---	0.400	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 109 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		99 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		103 %		80-120 %		"						
LCS (2210917-BS1)						Prepared: 09/28/22 09:00		Analyzed: 09/28/22 10:35				
EPA 8260D												
Bromobenzene	18.6	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Bromochloromethane	17.7	---	1.00	ug/L	1	20.0	---	88	80-120%	---	---	
Bromodichloromethane	18.4	---	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
Bromoform	22.0	---	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
Bromomethane	10.2	---	5.00	ug/L	1	20.0	---	51	80-120%	---	---	Q-55
Carbon tetrachloride	21.2	---	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
Chlorobenzene	19.1	---	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Chloroethane	18.1	---	5.00	ug/L	1	20.0	---	91	80-120%	---	---	
Chloroform	18.9	---	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
Chloromethane	23.7	---	5.00	ug/L	1	20.0	---	119	80-120%	---	---	
2-Chlorotoluene	21.2	---	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
4-Chlorotoluene	19.7	---	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Dibromochloromethane	20.1	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2-Dibromo-3-chloropropane	20.5	---	5.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.7	---	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Dibromomethane	18.8	---	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
1,2-Dichlorobenzene	21.5	---	0.500	ug/L	1	20.0	---	108	80-120%	---	---	

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Page 10 of 29



ANALYTICAL REPORT

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Project: 3Q 2022 Gunderson GWM

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A210704 - 10 13 22 2155

QUALITY CONTROL (QC) SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C												
Water												
LCS (2210917-BS1)			Prepared: 09/28/22 09:00		Analyzed: 09/28/22 10:35							
1,3-Dichlorobenzene	21.8	---	0.500	ug/L	1	20.0	---	109	80-120%	---	---	
1,4-Dichlorobenzene	18.6	---	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Dichlorodifluoromethane	20.9	---	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
1,1-Dichloroethane	18.6	---	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
1,2-Dichloroethane (EDC)	18.0	---	0.400	ug/L	1	20.0	---	90	80-120%	---	---	
1,1-Dichloroethene	19.6	---	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
cis-1,2-Dichloroethene	19.6	---	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
trans-1,2-Dichloroethene	19.2	---	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
1,2-Dichloropropane	18.1	---	0.500	ug/L	1	20.0	---	90	80-120%	---	---	
1,3-Dichloropropane	19.8	---	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
2,2-Dichloropropane	26.2	---	1.00	ug/L	1	20.0	---	131	80-120%	---	---	Q-56
1,1-Dichloropropene	25.0	---	1.00	ug/L	1	20.0	---	125	80-120%	---	---	Q-56
cis-1,3-Dichloropropene	19.2	---	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
trans-1,3-Dichloropropene	20.1	---	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Hexachlorobutadiene	26.0	---	5.00	ug/L	1	20.0	---	130	80-120%	---	---	Q-56
Methylene chloride	20.7	---	10.0	ug/L	1	20.0	---	104	80-120%	---	---	
1,1,1,2-Tetrachloroethane	20.5	---	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
1,1,2,2-Tetrachloroethane	17.6	---	0.500	ug/L	1	20.0	---	88	80-120%	---	---	
Tetrachloroethene (PCE)	21.4	---	0.400	ug/L	1	20.0	---	107	80-120%	---	---	
1,2,3-Trichlorobenzene	22.7	---	2.00	ug/L	1	20.0	---	114	80-120%	---	---	
1,1,2-Trichloroethane	19.4	---	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
1,2,4-Trichlorobenzene	21.4	---	2.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,1,1-Trichloroethane	20.4	---	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
Trichloroethene (TCE)	20.0	---	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
Trichlorofluoromethane	21.5	---	2.00	ug/L	1	20.0	---	108	80-120%	---	---	
1,2,3-Trichloropropane	19.1	---	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
Vinyl chloride	18.0	---	0.400	ug/L	1	20.0	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 98 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		96 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		98 %		80-120 %		"						

Duplicate (2210917-DUP1)

Prepared: 09/28/22 11:31 Analyzed: 09/28/22 19:37

QC Source Sample: MW-103 (A210704-03)EPA 8260D

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A210704 - 10 13 22 2155

QUALITY CONTROL (QC) SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C						Water						
Duplicate (2210917-DUP1)			Prepared: 09/28/22 11:31		Analyzed: 09/28/22 19:37							
QC Source Sample: MW-103 (A210704-03)												
Bromobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	10.4	---	0.400	ug/L	1	---	10.8	---	---	4	30%	
1,2-Dichloroethane (EDC)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	2.98	---	0.400	ug/L	1	---	3.10	---	---	4	30%	
cis-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	5.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	---	10.0	ug/L	1	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A210704 - 10 13 22 2155**

QUALITY CONTROL (QC) SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C						Water						
Duplicate (2210917-DUP1)			Prepared: 09/28/22 11:31 Analyzed: 09/28/22 19:37									
QC Source Sample: MW-103 (A210704-03)												
1,1,1,2-Tetrachloroethane	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	1.06	---	0.400	ug/L	1	---	1.18	---	---	11	30%	
1,2,3-Trichlorobenzene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	0.500	---	0.400	ug/L	1	---	0.540	---	---	8	30%	
Trichloroethene (TCE)	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	0.400	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 110 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		98 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		102 %		80-120 %		"						
Matrix Spike (2210917-MS1)						Prepared: 09/28/22 11:31 Analyzed: 09/28/22 21:52						
QC Source Sample: Non-SDG (A210688-03)												
EPA 8260D												
Bromobenzene	19.7	---	0.500	ug/L	1	20.0	ND	99	80-120%	---	---	
Bromochloromethane	17.8	---	1.00	ug/L	1	20.0	ND	89	78-123%	---	---	
Bromodichloromethane	17.8	---	1.00	ug/L	1	20.0	ND	89	79-125%	---	---	
Bromoform	20.8	---	1.00	ug/L	1	20.0	ND	104	66-130%	---	---	
Bromomethane	10.3	---	5.00	ug/L	1	20.0	ND	52	53-141%	---	---	Q-54c
Carbon tetrachloride	22.0	---	1.00	ug/L	1	20.0	ND	110	72-136%	---	---	
Chlorobenzene	20.3	---	0.500	ug/L	1	20.0	1.46	94	80-120%	---	---	
Chloroethane	17.3	---	5.00	ug/L	1	20.0	ND	87	60-138%	---	---	
Chloroform	18.9	---	1.00	ug/L	1	20.0	ND	94	79-124%	---	---	
Chloromethane	23.1	---	5.00	ug/L	1	20.0	ND	116	50-139%	---	---	
2-Chlorotoluene	24.3	---	1.00	ug/L	1	20.0	ND	121	79-122%	---	---	
4-Chlorotoluene	20.9	---	1.00	ug/L	1	20.0	ND	104	78-122%	---	---	
Dibromochloromethane	20.0	---	1.00	ug/L	1	20.0	ND	100	74-126%	---	---	
1,2-Dibromo-3-chloropropane	20.5	---	5.00	ug/L	1	20.0	ND	102	62-128%	---	---	
1,2-Dibromoethane (EDB)	21.2	---	0.500	ug/L	1	20.0	ND	106	77-121%	---	---	

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A210704 - 10 13 22 2155

QUALITY CONTROL (QC) SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C												
Water												
Matrix Spike (2210917-MS1)			Prepared: 09/28/22 11:31		Analyzed: 09/28/22 21:52							
QC Source Sample: Non-SDG (A210688-03)												
Dibromomethane	18.4	---	1.00	ug/L	1	20.0	ND	92	79-123%	---	---	
1,2-Dichlorobenzene	23.8	---	0.500	ug/L	1	20.0	1.75	110	80-120%	---	---	
1,3-Dichlorobenzene	22.2	---	0.500	ug/L	1	20.0	ND	111	80-120%	---	---	
1,4-Dichlorobenzene	19.0	---	0.500	ug/L	1	20.0	ND	95	79-120%	---	---	
Dichlorodifluoromethane	20.5	---	1.00	ug/L	1	20.0	ND	102	32-152%	---	---	
1,1-Dichloroethane	19.1	---	0.400	ug/L	1	20.0	ND	96	77-125%	---	---	
1,2-Dichloroethane (EDC)	17.7	---	0.400	ug/L	1	20.0	ND	89	73-128%	---	---	
1,1-Dichloroethene	21.7	---	0.400	ug/L	1	20.0	ND	109	71-131%	---	---	
cis-1,2-Dichloroethene	22.2	---	0.400	ug/L	1	20.0	0.810	107	78-123%	---	---	
trans-1,2-Dichloroethene	20.9	---	0.400	ug/L	1	20.0	ND	105	75-124%	---	---	
1,2-Dichloropropane	18.5	---	0.500	ug/L	1	20.0	ND	92	78-122%	---	---	
1,3-Dichloropropane	20.5	---	1.00	ug/L	1	20.0	ND	102	80-120%	---	---	
2,2-Dichloropropane	21.7	---	1.00	ug/L	1	20.0	ND	108	60-139%	---	---	Q-54a
1,1-Dichloropropene	26.8	---	1.00	ug/L	1	20.0	ND	134	79-125%	---	---	Q-54b
cis-1,3-Dichloropropene	17.7	---	1.00	ug/L	1	20.0	ND	89	75-124%	---	---	
trans-1,3-Dichloropropene	19.7	---	1.00	ug/L	1	20.0	ND	98	73-127%	---	---	
Hexachlorobutadiene	25.8	---	5.00	ug/L	1	20.0	ND	129	66-134%	---	---	Q-54
Methylene chloride	19.4	---	10.0	ug/L	1	20.0	ND	97	74-124%	---	---	
1,1,1,2-Tetrachloroethane	20.3	---	0.400	ug/L	1	20.0	ND	102	78-124%	---	---	
1,1,2,2-Tetrachloroethane	17.7	---	0.500	ug/L	1	20.0	ND	88	71-121%	---	---	
Tetrachloroethene (PCE)	22.3	---	0.400	ug/L	1	20.0	ND	112	74-129%	---	---	
1,2,3-Trichlorobenzene	22.6	---	2.00	ug/L	1	20.0	ND	113	69-129%	---	---	
1,1,2-Trichloroethane	19.6	---	0.500	ug/L	1	20.0	ND	98	80-120%	---	---	
1,2,4-Trichlorobenzene	24.5	---	2.00	ug/L	1	20.0	ND	123	69-130%	---	---	
1,1,1-Trichloroethane	21.1	---	0.400	ug/L	1	20.0	ND	106	74-131%	---	---	
Trichloroethene (TCE)	20.8	---	0.400	ug/L	1	20.0	ND	104	79-123%	---	---	
Trichlorofluoromethane	21.8	---	2.00	ug/L	1	20.0	ND	109	65-141%	---	---	
1,2,3-Trichloropropane	19.2	---	1.00	ug/L	1	20.0	ND	96	73-122%	---	---	
Vinyl chloride	21.2	---	0.400	ug/L	1	20.0	0.690	103	58-137%	---	---	
Surr: 1,4-Difluorobenzene (Surr)												
		Recovery:		95 %		Limits:		80-120 %		Dilution: 1x		
Toluene-d8 (Surr)				95 %				80-120 %		"		
4-Bromofluorobenzene (Surr)				102 %				80-120 %		"		

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A210704 - 10 13 22 2155**

QUALITY CONTROL (QC) SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C						Water						
Matrix Spike Dup (2210917-MSD1)			Prepared: 09/28/22 11:31		Analyzed: 09/28/22 22:20							
QC Source Sample: Non-SDG (A210688-03)												
Bromobenzene	20.3	---	0.500	ug/L	1	20.0	ND	101	80-120%	3	30%	Q-54c
Bromochloromethane	17.5	---	1.00	ug/L	1	20.0	ND	87	78-123%	2	30%	
Bromodichloromethane	17.7	---	1.00	ug/L	1	20.0	ND	88	79-125%	0.8	30%	
Bromoform	21.1	---	1.00	ug/L	1	20.0	ND	106	66-130%	2	30%	
Bromomethane	8.47	---	5.00	ug/L	1	20.0	ND	42	53-141%	20	30%	Q-54c
Carbon tetrachloride	22.0	---	1.00	ug/L	1	20.0	ND	110	72-136%	0.05	30%	
Chlorobenzene	20.4	---	0.500	ug/L	1	20.0	1.46	95	80-120%	0.4	30%	
Chloroethane	16.2	---	5.00	ug/L	1	20.0	ND	81	60-138%	7	30%	
Chloroform	18.9	---	1.00	ug/L	1	20.0	ND	95	79-124%	0.2	30%	Q-54a
Chloromethane	24.5	---	5.00	ug/L	1	20.0	ND	123	50-139%	6	30%	
2-Chlorotoluene	24.5	---	1.00	ug/L	1	20.0	ND	123	79-122%	1	30%	
4-Chlorotoluene	21.5	---	1.00	ug/L	1	20.0	ND	108	78-122%	3	30%	
Dibromochloromethane	20.0	---	1.00	ug/L	1	20.0	ND	100	74-126%	0.05	30%	Q-54b
1,2-Dibromo-3-chloropropane	21.3	---	5.00	ug/L	1	20.0	ND	107	62-128%	4	30%	
1,2-Dibromoethane (EDB)	21.6	---	0.500	ug/L	1	20.0	ND	108	77-121%	2	30%	
Dibromomethane	18.5	---	1.00	ug/L	1	20.0	ND	92	79-123%	0.5	30%	
1,2-Dichlorobenzene	24.3	---	0.500	ug/L	1	20.0	1.75	113	80-120%	2	30%	Q-54
1,3-Dichlorobenzene	23.3	---	0.500	ug/L	1	20.0	ND	117	80-120%	5	30%	
1,4-Dichlorobenzene	19.2	---	0.500	ug/L	1	20.0	ND	96	79-120%	1	30%	
Dichlorodifluoromethane	21.3	---	1.00	ug/L	1	20.0	ND	107	32-152%	4	30%	
1,1-Dichloroethane	19.2	---	0.400	ug/L	1	20.0	ND	96	77-125%	0.3	30%	Q-54
1,2-Dichloroethane (EDC)	17.5	---	0.400	ug/L	1	20.0	ND	87	73-128%	1	30%	
1,1-Dichloroethene	22.1	---	0.400	ug/L	1	20.0	ND	110	71-131%	2	30%	
cis-1,2-Dichloroethene	22.9	---	0.400	ug/L	1	20.0	0.810	110	78-123%	3	30%	
trans-1,2-Dichloroethene	21.5	---	0.400	ug/L	1	20.0	ND	108	75-124%	3	30%	Q-54
1,2-Dichloropropane	18.8	---	0.500	ug/L	1	20.0	ND	94	78-122%	2	30%	
1,3-Dichloropropane	20.8	---	1.00	ug/L	1	20.0	ND	104	80-120%	1	30%	
2,2-Dichloropropane	22.1	---	1.00	ug/L	1	20.0	ND	110	60-139%	2	30%	
1,1-Dichloropropene	27.2	---	1.00	ug/L	1	20.0	ND	136	79-125%	2	30%	Q-54
cis-1,3-Dichloropropene	18.4	---	1.00	ug/L	1	20.0	ND	92	75-124%	4	30%	
trans-1,3-Dichloropropene	20.0	---	1.00	ug/L	1	20.0	ND	100	73-127%	2	30%	
Hexachlorobutadiene	27.6	---	5.00	ug/L	1	20.0	ND	138	66-134%	7	30%	
Methylene chloride	19.5	---	10.0	ug/L	1	20.0	ND	97	74-124%	0.05	30%	

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A210704 - 10 13 22 2155

QUALITY CONTROL (QC) SAMPLE RESULTS

Halogenated Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210917 - EPA 5030C						Water						
Matrix Spike Dup (2210917-MSD1)			Prepared: 09/28/22 11:31		Analyzed: 09/28/22 22:20							
QC Source Sample: Non-SDG (A210688-03)												
1,1,1,2-Tetrachloroethane	20.4	---	0.400	ug/L	1	20.0	ND	102	78-124%	0.6	30%	
1,1,2,2-Tetrachloroethane	17.9	---	0.500	ug/L	1	20.0	ND	89	71-121%	1	30%	
Tetrachloroethene (PCE)	22.5	---	0.400	ug/L	1	20.0	ND	112	74-129%	0.8	30%	
1,2,3-Trichlorobenzene	23.5	---	2.00	ug/L	1	20.0	ND	117	69-129%	4	30%	
1,1,2-Trichloroethane	19.3	---	0.500	ug/L	1	20.0	ND	97	80-120%	1	30%	
1,2,4-Trichlorobenzene	25.5	---	2.00	ug/L	1	20.0	ND	127	69-130%	4	30%	
1,1,1-Trichloroethane	21.3	---	0.400	ug/L	1	20.0	ND	107	74-131%	1	30%	
Trichloroethene (TCE)	21.2	---	0.400	ug/L	1	20.0	ND	106	79-123%	2	30%	
Trichlorofluoromethane	21.4	---	2.00	ug/L	1	20.0	ND	107	65-141%	1	30%	
1,2,3-Trichloropropane	19.5	---	1.00	ug/L	1	20.0	ND	97	73-122%	2	30%	
Vinyl chloride	21.7	---	0.400	ug/L	1	20.0	0.690	105	58-137%	2	30%	
Surr: 1,4-Difluorobenzene (Surr)		Recovery: 96 %		Limits: 80-120 %		Dilution: 1x						
Toluene-d8 (Surr)		96 %		80-120 %		"						
4-Bromofluorobenzene (Surr)		103 %		80-120 %		"						

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A210704 - 10 13 22 2155**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210960 - EPA 3015A												
Water												
Blank (2210960-BLK1)			Prepared: 09/29/22 07:51			Analyzed: 09/30/22 02:53						
EPA 6020B												
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Barium	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Copper	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Manganese	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Nickel	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Zinc	ND	---	4.00	ug/L	1	---	---	---	---	---	---	
Blank (2210960-BLK2)												
			Prepared: 09/29/22 07:51			Analyzed: 10/03/22 20:20						
EPA 6020B												
Antimony	ND	---	1.00	ug/L	1	---	---	---	---	---	---	Q-16
LCS (2210960-BS1)												
			Prepared: 09/29/22 07:51			Analyzed: 09/30/22 02:59						
EPA 6020B												
Arsenic	53.5	---	1.00	ug/L	1	55.6	---	96	80-120%	---	---	
Barium	55.3	---	2.00	ug/L	1	55.6	---	100	80-120%	---	---	
Cadmium	54.2	---	0.200	ug/L	1	55.6	---	98	80-120%	---	---	
Chromium	54.4	---	2.00	ug/L	1	55.6	---	98	80-120%	---	---	
Copper	57.5	---	2.00	ug/L	1	55.6	---	103	80-120%	---	---	
Lead	55.2	---	0.200	ug/L	1	55.6	---	99	80-120%	---	---	
Manganese	54.1	---	1.00	ug/L	1	55.6	---	97	80-120%	---	---	
Nickel	56.0	---	2.00	ug/L	1	55.6	---	101	80-120%	---	---	
Zinc	56.5	---	4.00	ug/L	1	55.6	---	102	80-120%	---	---	
LCS (2210960-BS2)												
			Prepared: 09/29/22 07:51			Analyzed: 10/03/22 20:25						
EPA 6020B												
Antimony	29.9	---	1.00	ug/L	1	27.8	---	108	80-120%	---	---	Q-16
Duplicate (2210960-DUP1)												
			Prepared: 09/29/22 07:51			Analyzed: 09/30/22 03:09						
QC Source Sample: Non-SDG (A210688-03)												

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ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A2I0704 - 10 13 22 2155**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0960 - EPA 3015A												
Water												
Duplicate (22I0960-DUP1)												
Prepared: 09/29/22 07:51 Analyzed: 09/30/22 03:09												
QC Source Sample: Non-SDG (A2I0688-03)												
Arsenic	5.69	---	1.00	ug/L	1	---	5.56	---	---	2	20%	
Barium	88.4	---	2.00	ug/L	1	---	87.1	---	---	1	20%	
Cadmium	ND	---	0.200	ug/L	1	---	ND	---	---	---	20%	
Chromium	ND	---	2.00	ug/L	1	---	ND	---	---	---	20%	
Copper	ND	---	2.00	ug/L	1	---	ND	---	---	---	20%	
Lead	ND	---	0.200	ug/L	1	---	ND	---	---	---	20%	
Nickel	ND	---	2.00	ug/L	1	---	ND	---	---	---	20%	
Zinc	ND	---	4.00	ug/L	1	---	ND	---	---	---	20%	
Duplicate (22I0960-DUP2)												
Prepared: 09/29/22 07:51 Analyzed: 10/03/22 20:36												
QC Source Sample: Non-SDG (A2I0688-03RE1)												
Antimony	ND	---	1.00	ug/L	1	---	ND	---	---	---	20%	Q-16
Duplicate (22I0960-DUP3)												
Prepared: 09/29/22 07:51 Analyzed: 09/30/22 16:50												
QC Source Sample: Non-SDG (A2I0688-03RE2)												
Manganese	3440	---	10.0	ug/L	10	---	3400	---	---	1	20%	Q-16
Matrix Spike (22I0960-MS1)												
Prepared: 09/29/22 07:51 Analyzed: 09/30/22 03:14												
QC Source Sample: Non-SDG (A2I0688-03)												
EPA 6020B												
Arsenic	59.3	---	1.00	ug/L	1	55.6	5.56	97	75-125%	---	---	
Barium	143	---	2.00	ug/L	1	55.6	87.1	100	75-125%	---	---	
Cadmium	55.1	---	0.200	ug/L	1	55.6	ND	99	75-125%	---	---	
Chromium	53.6	---	2.00	ug/L	1	55.6	ND	97	75-125%	---	---	
Copper	54.5	---	2.00	ug/L	1	55.6	ND	98	75-125%	---	---	
Lead	53.4	---	0.200	ug/L	1	55.6	ND	96	75-125%	---	---	
Nickel	53.4	---	2.00	ug/L	1	55.6	ND	96	75-125%	---	---	
Zinc	55.5	---	4.00	ug/L	1	55.6	ND	100	75-125%	---	---	
Matrix Spike (22I0960-MS2)												
Prepared: 09/29/22 07:51 Analyzed: 10/03/22 20:41												
QC Source Sample: Non-SDG (A2I0688-03RE1)												

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503-718-2323
ORELAP ID: OR100062GeoEngineers - Portland
5820 S Kelly Ave Unit B
Portland, OR 97239Project: **3Q 2022 Gunderson GWM**
Project Number: [none]
Project Manager: Kirsten K. White**Report ID:**
A210704 - 10 13 22 2155

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2210960 - EPA 3015A						Water						
Matrix Spike (2210960-MS2)			Prepared: 09/29/22 07:51 Analyzed: 10/03/22 20:41									
<u>QC Source Sample: Non-SDG (A210688-03RE1)</u>												
<u>EPA 6020B</u>												
Antimony	31.1	---	1.00	ug/L	1	27.8	ND	112	75-125%	---	---	Q-16
Matrix Spike (2210960-MS3)			Prepared: 09/29/22 07:51 Analyzed: 09/30/22 17:15									
<u>QC Source Sample: Non-SDG (A210688-03RE2)</u>												
<u>EPA 6020B</u>												
Manganese	3590	---	10.0	ug/L	10	55.6	3400	345	75-125%	---	---	Q-16, Q-65
Matrix Spike Dup (2210960-MSD1)			Prepared: 09/29/22 20:51 Analyzed: 09/30/22 03:19									
<u>QC Source Sample: Non-SDG (A210688-03)</u>												
Arsenic	59.9	---	1.00	ug/L	1	55.6	5.56	98	75-125%	0.9	20%	
Barium	145	---	2.00	ug/L	1	55.6	87.1	104	75-125%	1	20%	
Cadmium	56.2	---	0.200	ug/L	1	55.6	ND	101	75-125%	2	20%	
Chromium	54.4	---	2.00	ug/L	1	55.6	ND	98	75-125%	1	20%	
Copper	55.8	---	2.00	ug/L	1	55.6	ND	100	75-125%	2	20%	
Lead	54.8	---	0.200	ug/L	1	55.6	ND	99	75-125%	3	20%	
Nickel	55.4	---	2.00	ug/L	1	55.6	ND	100	75-125%	4	20%	
Zinc	54.8	---	4.00	ug/L	1	55.6	ND	99	75-125%	1	20%	
Matrix Spike Dup (2210960-MSD2)			Prepared: 09/29/22 20:51 Analyzed: 10/03/22 20:46									
<u>QC Source Sample: Non-SDG (A210688-03RE1)</u>												
Antimony	31.0	---	1.00	ug/L	1	27.8	ND	112	75-125%	0.3	20%	Q-16
Matrix Spike Dup (2210960-MSD3)			Prepared: 09/29/22 20:51 Analyzed: 09/30/22 17:20									
<u>QC Source Sample: Non-SDG (A210688-03RE2)</u>												
Manganese	3570	---	10.0	ug/L	10	55.6	3400	313	75-125%	0.5	20%	Q-16, Q-65

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Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A210704 - 10 13 22 2155**

QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 2211036 - Matrix Matched Direct Inject						Water						
Blank (2211036-BLK1)			Prepared: 09/30/22 12:16 Analyzed: 09/30/22 17:25									
EPA 6020B (Diss)												
Antimony	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Arsenic	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Barium	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Copper	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Lead	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Manganese	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Nickel	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
Zinc	ND	---	4.00	ug/L	1	---	---	---	---	---	---	
LCS (2211036-BS1)												
Prepared: 09/30/22 12:16 Analyzed: 09/30/22 17:30												
EPA 6020B (Diss)												
Antimony	29.1	---	1.00	ug/L	1	27.8	---	105	80-120%	---	---	
Arsenic	56.1	---	1.00	ug/L	1	55.6	---	101	80-120%	---	---	
Barium	57.4	---	1.00	ug/L	1	55.6	---	103	80-120%	---	---	
Cadmium	56.5	---	0.200	ug/L	1	55.6	---	102	80-120%	---	---	
Chromium	56.1	---	2.00	ug/L	1	55.6	---	101	80-120%	---	---	
Copper	57.6	---	2.00	ug/L	1	55.6	---	104	80-120%	---	---	
Lead	57.8	---	0.200	ug/L	1	55.6	---	104	80-120%	---	---	
Manganese	56.2	---	1.00	ug/L	1	55.6	---	101	80-120%	---	---	
Nickel	57.7	---	2.00	ug/L	1	55.6	---	104	80-120%	---	---	
Zinc	55.6	---	4.00	ug/L	1	55.6	---	100	80-120%	---	---	
Duplicate (2211036-DUP1)												
Prepared: 09/30/22 12:16 Analyzed: 09/30/22 18:46												
QC Source Sample: Non-SDG (A210688-03)												
Antimony	ND	---	1.00	ug/L	1	---	ND	---	---	---	20%	
Arsenic	5.83	---	1.00	ug/L	1	---	5.88	---	---	0.9	20%	
Barium	92.8	---	1.00	ug/L	1	---	91.7	---	---	1	20%	
Cadmium	ND	---	0.200	ug/L	1	---	ND	---	---	---	20%	
Chromium	ND	---	2.00	ug/L	1	---	ND	---	---	---	20%	
Copper	ND	---	2.00	ug/L	1	---	ND	---	---	---	20%	
Lead	ND	---	0.200	ug/L	1	---	ND	---	---	---	20%	

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ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White****Report ID:****A2I0704 - 10 13 22 2155**

QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	Limits	RPD	RPD Limit	Notes
Batch 22I1036 - Matrix Matched Direct Inject						Water						
Duplicate (22I1036-DUP1)			Prepared: 09/30/22 12:16 Analyzed: 09/30/22 18:46									
QC Source Sample: Non-SDG (A2I0688-03)												
Nickel	ND	---	2.00	ug/L	1	---	ND	---	---	---	20%	
Zinc	ND	---	4.00	ug/L	1	---	ND	---	---	---	20%	
Duplicate (22I1036-DUP2)			Prepared: 09/30/22 12:16 Analyzed: 10/03/22 15:25									
QC Source Sample: Non-SDG (A2I0688-03RE1)												
Manganese	3370	---	10.0	ug/L	10	---	3410	---	---	1	20%	Q-16
Matrix Spike (22I1036-MS1)			Prepared: 09/30/22 12:16 Analyzed: 09/30/22 18:51									
QC Source Sample: Non-SDG (A2I0688-03)												
EPA 6020B (Diss)												
Antimony	29.0	---	1.00	ug/L	1	27.8	ND	104	75-125%	---	---	
Arsenic	61.1	---	1.00	ug/L	1	55.6	5.88	99	75-125%	---	---	
Barium	146	---	1.00	ug/L	1	55.6	91.7	98	75-125%	---	---	
Cadmium	57.0	---	0.200	ug/L	1	55.6	ND	103	75-125%	---	---	
Chromium	58.4	---	2.00	ug/L	1	55.6	ND	105	75-125%	---	---	
Copper	56.8	---	2.00	ug/L	1	55.6	ND	102	75-125%	---	---	
Lead	53.3	---	0.200	ug/L	1	55.6	ND	96	75-125%	---	---	
Nickel	57.7	---	2.00	ug/L	1	55.6	ND	104	75-125%	---	---	
Zinc	54.2	---	4.00	ug/L	1	55.6	ND	98	75-125%	---	---	
Matrix Spike (22I1036-MS2)			Prepared: 09/30/22 12:16 Analyzed: 10/03/22 15:31									
QC Source Sample: Non-SDG (A2I0688-03RE1)												
EPA 6020B (Diss)												
Manganese	3490	---	10.0	ug/L	10	55.6	3410	144	75-125%	---	---	Q-16, Q-65
Matrix Spike Dup (22I1036-MSD1)			Prepared: 09/30/22 12:16 Analyzed: 09/30/22 18:56									
QC Source Sample: Non-SDG (A2I0688-03)												
Antimony	28.7	---	1.00	ug/L	1	27.8	ND	103	75-125%	0.9	20%	
Arsenic	60.8	---	1.00	ug/L	1	55.6	5.88	99	75-125%	0.6	20%	
Barium	145	---	1.00	ug/L	1	55.6	91.7	96	75-125%	1	20%	
Cadmium	56.8	---	0.200	ug/L	1	55.6	ND	102	75-125%	0.3	20%	

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ANALYTICAL REPORT

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Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A210704 - 10 13 22 2155

QUALITY CONTROL (QC) SAMPLE RESULTS

Dissolved Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I1036 - Matrix Matched Direct Inject							Water					
Matrix Spike Dup (22I1036-MSD1)			Prepared: 09/30/22 12:16		Analyzed: 09/30/22 18:56							
QC Source Sample: Non-SDG (A2I0688-03)												
Chromium	58.7	---	2.00	ug/L	1	55.6	ND	106	75-125%	0.6	20%	
Copper	57.3	---	2.00	ug/L	1	55.6	ND	103	75-125%	0.8	20%	
Lead	55.8	---	0.200	ug/L	1	55.6	ND	100	75-125%	5	20%	
Nickel	58.3	---	2.00	ug/L	1	55.6	ND	105	75-125%	1	20%	
Zinc	54.6	---	4.00	ug/L	1	55.6	ND	98	75-125%	0.7	20%	
Matrix Spike Dup (22I1036-MSD2)			Prepared: 09/30/22 12:16		Analyzed: 10/03/22 15:36							
QC Source Sample: Non-SDG (A2I0688-03RE1)												
Manganese	3480	---	10.0	ug/L	10	55.6	3410	124	75-125%	0.3	20%	Q-16

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503-718-2323
ORELAP ID: OR100062**GeoEngineers - Portland**
5820 S Kelly Ave Unit B
Portland, OR 97239Project: **3Q 2022 Gunderson GWM**
Project Number: [none]
Project Manager: **Kirsten K. White****Report ID:**
A210704 - 10 13 22 2155**SAMPLE PREPARATION INFORMATION****Halogenated Volatile Organic Compounds by EPA 8260D****Prep: EPA 5030C**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 2210917							
A210704-03	Water	EPA 8260D	09/21/22 13:13	09/28/22 11:31	5mL/5mL	5mL/5mL	1.00

Total Metals by EPA 6020B (ICPMS)**Prep: EPA 3015A**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 2210960							
A210704-01	Water	EPA 6020B	09/21/22 14:00	09/29/22 07:51	45mL/50mL	45mL/50mL	1.00
A210704-01RE1	Water	EPA 6020B	09/21/22 14:00	09/29/22 07:51	45mL/50mL	45mL/50mL	1.00
A210704-02	Water	EPA 6020B	09/21/22 14:39	09/29/22 07:51	45mL/50mL	45mL/50mL	1.00
A210704-04	Water	EPA 6020B	09/21/22 14:00	09/29/22 07:51	45mL/50mL	45mL/50mL	1.00
A210704-04RE1	Water	EPA 6020B	09/21/22 14:00	09/29/22 07:51	45mL/50mL	45mL/50mL	1.00

Dissolved Metals by EPA 6020B (ICPMS)**Prep: Matrix Matched Direct Inject**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 2211036							
A210704-01	Water	EPA 6020B (Diss)	09/21/22 14:00	09/30/22 12:16	45mL/50mL	45mL/50mL	1.00
A210704-01RE1	Water	EPA 6020B (Diss)	09/21/22 14:00	09/30/22 12:16	45mL/50mL	45mL/50mL	1.00
A210704-02	Water	EPA 6020B (Diss)	09/21/22 14:39	09/30/22 12:16	45mL/50mL	45mL/50mL	1.00
A210704-02RE1	Water	EPA 6020B (Diss)	09/21/22 14:39	09/30/22 12:16	45mL/50mL	45mL/50mL	1.00
A210704-04	Water	EPA 6020B (Diss)	09/21/22 14:00	09/30/22 12:16	45mL/50mL	45mL/50mL	1.00
A210704-04RE1	Water	EPA 6020B (Diss)	09/21/22 14:00	09/30/22 12:16	45mL/50mL	45mL/50mL	1.00
A210704-04RE2	Water	EPA 6020B (Diss)	09/21/22 14:00	09/30/22 12:16	45mL/50mL	45mL/50mL	1.00

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Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**
Project Number: [none]
Project Manager: **Kirsten K. White**

Report ID:
A2I0704 - 10 13 22 2155

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- Q-16** Reanalysis of an original Batch QC sample.
- Q-54** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +10%. The results are reported as Estimated Values.
- Q-54a** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +11%. The results are reported as Estimated Values.
- Q-54b** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +5%. The results are reported as Estimated Values.
- Q-54c** Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -29%. The results are reported as Estimated Values.
- Q-55** Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
- Q-56** Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
- Q-65** Spike recovery is estimated due to the high analyte concentration of the source sample.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

GeoEngineers - Portland
5820 S Kelly Ave Unit B
Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**
Project Number: [none]
Project Manager: **Kirsten K. White**

Report ID:
A2I0704 - 10 13 22 2155

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.
ND Analyte NOT DETECTED at or above the detection or reporting limit.
NR Result Not Reported
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

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Philip Nerenberg, Lab Director



ANALYTICAL REPORT

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GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: **3Q 2022 Gunderson GWM**

Project Number: [none]

Project Manager: **Kirsten K. White**

Report ID:

A2I0704 - 10 13 22 2155

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg, Lab Director

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GeoEngineers - Portland
5820 S Kelly Ave Unit B
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Project: **3Q 2022 Gunderson GWM**
Project Number: [none]
Project Manager: **Kirsten K. White**

Report ID:
A2I0704 - 10 13 22 2155

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
<u>All reported analytes are included in Apex Laboratories' current ORELAP scope.</u>					

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

GeoEngineers - Portland

5820 S Kelly Ave Unit B

Portland, OR 97239

Project: 3Q 2022 Gunderson GWM

Project Number: [none]

Project Manager: Kirsten K. White

Report ID:

A210704 - 10 13 22 2155

APEX LABS COOLER RECEIPT FORM

Client: GeoEngineers Element WO#: A210704Project/Project #: Gunderson 3Q22 GWM

Delivery Info:

Date/time received: 9/21/22 @ 1703 By: AKKDelivered by: Apex ☐ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐Cooler Inspection Date/time inspected: 9/21/22 @ 1705 By: AKKChain of Custody included? Yes ☒ No ☐ Custody seals? Yes ☐ No ☒Signed/dated by client? Yes ☒ No ☐Signed/dated by Apex? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>5.5</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) N Possible reason why: _____Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐Sample Inspection: Date/time inspected: 9/22/22 @ 14:06 By: KAMAll samples intact? Yes ☒ No ☐ Comments: _____Bottle labels/COCs agree? Yes ☒ No ☐ Comments: _____COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: _____Do VOA vials have visible headspace? Yes ☐ No ☒ NA ☒ obvious

Comments: _____

Water samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐

Comments: _____

Additional information:

Labeled by:

KAM

Witness:

DSS

Cooler Inspected by:

KAM

Form Y-003 R-00 -

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

APPENDIX D

Historical Groundwater Elevations

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-19	7/22/1991	34.86	24.45	10.41
	4/2/1992	34.86	25.94	8.92
	6/6/1992	34.86	25.79	9.07
	7/20/1994	34.86	26.35	8.51
	10/25/1994	34.86	27.85	7.01
	2/17/1995	34.86	23.05	11.81
	4/18/1995	34.86	24.11	10.75
	7/25/1995	34.86	24.55	10.31
	10/19/1995	34.86	27.00	7.86
	4/23/1996	34.86	18.45	16.41
	8/2/1996	34.86	23.56	11.30
	11/5/1996	34.86	26.14	8.72
	1/23/1997	34.86	17.08	17.78
	4/16/1997	34.86	21.35	13.51
	7/15/1997	34.86	21.52	13.34
	11/3/1997	34.86	24.90	9.96
	2/5/1998	34.86	21.00	13.86
	9/16/1998	34.86	26.47	8.39
	12/30/1998	34.86	22.78	12.08
	5/24/1999	34.86	21.60	13.26
	8/18/1999	34.86	24.33	10.53
	12/21/1999	34.86	22.98	11.88
	4/25/2000	34.86	22.49	12.37
	10/25/2000	34.86	27.23	7.63
	11/27/2000	34.86	27.31	7.55
	2/9/2001	34.86	27.08	7.78
	5/15/2001	34.86	27.05	7.81
	8/7/2001	34.86	27.86	7.00
	12/5/2001	34.86	26.98	7.88
	4/9/2002	34.86	25.55	9.31
	7/29/2002	34.86	24.50	10.36
	11/26/2002	34.86	27.03	7.83
	3/4/2003	34.86	25.02	9.84
	5/19/2003	34.86	23.52	11.34
	12/9/2003	34.86	26.18	8.68
	3/30/2004	34.86	23.98	10.88
	8/19/2004	34.86	26.59	8.27
	11/22/2004	34.86	26.61	8.25
	2/11/2005	34.86	26.02	8.84
	5/18/2005	34.86	24.73	10.13
	9/16/2005	34.86	27.12	7.74
	11/8/2005	34.86	26.52	8.34

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-19 (continued)	3/16/2006	34.86	23.58	11.28
	11/17/2006	34.86	26.11	8.75
	5/22/2007	34.86	23.58	11.28
	8/22/2007	34.86	26.35	8.51
	11/6/2007	34.86	27.68	7.18
	2/11/2008	34.86	24.41	10.45
	5/12/2008	34.86	24.90	9.96
	8/4/2008	34.86	25.99	8.87
	11/14/2008	34.86	27.27	7.59
	2/16/2009	34.86	26.65	8.21
	5/27/2009	34.86	23.40	11.46
	8/18/2009	34.86	26.32	8.54
	12/8/2009	34.86	26.75	8.11
	3/15/2010	34.86	26.04	8.82
	6/1/2010	34.86	24.83	10.03
	8/30/2010	34.86	26.30	8.56
	11/29/2010	34.86	26.29	8.57
	3/30/2011	34.86	22.07	12.79
	9/14/2011	34.86	25.32	9.54
	12/12/2011	34.86	26.33	8.53
	7/2/2012	34.86	19.93	14.93
	9/26/2012	34.86	25.96	8.90
	12/3/2012	34.86	24.45	10.41
	3/22/2013	34.86	25.84	9.02
	6/17/2013	34.86	23.99	10.87
	9/9/2013	34.86	26.52	8.34
	12/10/2013	34.86	26.64	8.22
	3/24/2014	34.86	22.84	12.02
	6/11/2014	34.86	23.37	11.49
	9/19/2014	34.86	29.11	5.75
	12/17/2014	34.86	25.37	9.49
	3/9/2015	34.86	27.20	9.49
	6/25/2015	34.86	NM	--
	9/14/2015	34.86	27.41	7.45
	12/14/2015	34.86	25.70	9.16
	3/21/2016	34.86	22.21	12.65
	6/20/2016	34.86	24.93	9.93
	9/27/2016	34.86	27.41	7.45
	9/29/2016	34.86	27.50	7.36
	12/5/2016	34.86	24.93	9.93

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-19 (continued)	3/22/2017	34.86	17.13	17.73
	6/26/2017	34.86	20.23	14.63
	9/19/2017	34.86	26.34	8.52
	12/11/2017	34.86	25.35	9.51
	3/14/2018	34.86	24.3	10.56
	6/25/2018	34.86	23.41	11.45
	9/4/2018	34.86	26.51	8.35
	12/17/2018	37.46	27.06	10.40
	3/4/2019	37.46	25.95	11.51
	6/18/2019	37.46	24.32	13.14
	9/9/2019	37.46	27.18	10.28
	12/9/2019	37.46	27.63	9.83
	3/16/2020	37.46	25.53	11.93
	6/8/2020	37.46	22.90	14.56
	9/8/2020	37.46	26.37	11.09
	11/30/2020	37.46	26.45	11.01
	3/8/2021	37.46	24.31	13.15
	6/7/2021	37.46	25.33	12.13
	9/20/2021	37.46	27.41	10.05
	11/29/2021	37.46	26.29	11.17
	2/28/2022	37.46	25.15	12.31
	6/20/2022	37.46	18.41	19.05
MW-20	7/22/1991	36.99	29.56	7.43
	4/2/1992	36.99	29.08	7.91
	6/6/1992	36.99	28.10	8.89
	7/20/1994	36.99	29.10	7.89
	10/25/1994	36.99	30.56	6.43
	2/17/1995	36.99	25.35	11.64
	4/18/1995	36.99	26.21	10.78
	7/25/1995	36.99	28.05	8.94
	10/19/1995	36.99	31.30	5.69
	1/22/1996	36.99	19.32	17.67
	4/23/1996	36.99	20.81	16.18
	8/2/1996	36.99	26.80	10.19
	11/5/1996	36.99	29.53	7.46
	1/23/1997	36.99	21.26	15.73
	4/16/1997	36.99	24.47	12.52
	7/15/1997	36.99	24.47	12.52
	11/3/1997	36.99	27.08	9.91
	2/5/1998	36.99	25.70	11.29
	9/16/1998	36.99	29.68	7.31
	12/30/1998	36.99	22.19	14.80
	5/24/1999	36.99	24.19	12.80
	8/18/1999	36.99	27.39	9.60
	12/21/1999	36.99	23.36	13.63
	4/25/2000	36.99	23.27	13.72
	10/25/2000	36.99	30.08	6.91
	11/27/2000	36.99	29.48	7.51
	2/9/2001	36.99	29.25	7.74
	5/15/2001	36.99	29.82	7.17
	12/5/2001	36.99	26.69	10.30
	4/9/2002	36.99	28.24	8.75

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-20 (continued)	11/26/2002	36.99	29.97	7.02
	5/19/2003	36.99	25.75	11.24
	12/9/2003	36.99	27.93	9.06
	3/30/2004	36.99	28.01	8.98
	8/19/2004	36.99	29.35	7.64
	11/22/2004	36.99	30.02	6.97
	2/11/2005	36.99	28.26	8.73
	5/18/2005	36.99	26.21	10.78
	9/16/2005	36.99	30.49	6.50
	11/8/2005	36.99	28.57	8.42
	2/20/2006	36.99	26.95	10.04
	3/16/2006	36.99	26.82	10.17
	6/2/2006	36.99	22.67	14.32
	8/7/2006	36.99	29.15	7.84
	11/17/2006	36.99	26.75	10.24
	2/15/2007	36.99	28.51	8.48
	5/22/2007	36.99	25.79	11.20
	8/22/2007	36.99	29.80	7.19
	11/6/2007	36.99	31.00	5.99
	2/11/2008	36.99	26.47	10.52
	5/12/2008	36.99	26.10	10.89
	8/4/2008	36.99	28.29	8.70
	11/14/2008	36.99	27.89	9.10
	2/16/2009	36.99	28.70	8.29
	5/27/2009	36.99	24.01	12.98
	8/18/2009	36.99	30.07	6.92
	12/8/2009	36.99	28.92	8.07
	3/15/2010	36.99	28.56	8.43
	6/1/2010	36.99	26.54	10.45
	8/30/2010	36.99	29.81	7.18
	11/29/2010	36.99	28.58	8.41
	3/30/2011	36.99	24.38	12.61
	5/31/2011	36.99	17.98	19.01
	9/14/2011	36.99	28.93	8.06
	12/12/2011	36.99	28.93	8.06
	7/2/2012	36.99	21.51	15.48
	9/28/2012	36.99	29.58	7.41
	12/3/2012	36.99	25.30	11.69
MW-21	7/22/1991	35.28	26.75	8.53
	4/2/1992	35.28	27.53	7.75
	6/6/1992	35.28	26.67	8.61
	7/20/1994	35.28	27.65	7.63
	10/25/1994	35.28	29.16	6.12

Please refer to notes at end of table.

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Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-21 (continued)	2/17/1995	35.28	23.98	11.30
	4/18/1995	35.28	24.81	10.47
	7/25/1995	35.28	26.45	8.83
	10/19/1995	35.28	28.40	6.88
	1/22/1996	35.28	17.55	17.73
	4/23/1996	35.28	19.40	15.88
	8/2/1996	35.28	29.19	6.09
	11/5/1996	35.28	27.95	7.33
	1/23/1997	35.28	18.64	16.64
	4/16/1997	35.28	22.95	12.33
	7/15/1997	35.28	22.95	12.33
	11/3/1997	35.28	25.62	9.66
	2/5/1998	35.28	23.15	12.13
	9/16/1998	35.28	28.13	7.15
	12/30/1998	35.28	21.41	13.87
	5/24/1999	35.28	22.69	12.59
	8/18/1999	35.28	25.82	9.46
	12/21/1999	35.28	22.14	13.14
	4/25/2000	35.28	22.03	13.25
	10/25/2000	35.28	28.65	6.63
	11/27/2000	35.28	28.04	7.24
	2/9/2001	35.28	27.85	7.43
	5/15/2001	35.28	28.36	6.92
	8/7/2001	35.28	28.96	6.32
	12/5/2001	35.28	25.64	9.64
	4/9/2002	35.28	26.76	8.52
	7/29/2002	35.28	26.51	8.77
	11/26/2002	35.28	28.40	6.88
	3/4/2003	35.28	26.67	8.61
	5/19/2003	35.28	24.34	10.94
	12/9/2003	35.28	26.71	8.57
	8/19/2004	35.28	27.55	7.73
	11/22/2004	35.28	26.65	8.63
	2/11/2005	35.28	26.60	8.68
	5/18/2005	35.28	24.79	10.49
	9/16/2005	35.28	28.61	6.67
	11/8/2005	35.28	26.94	8.34
	2/20/2006	35.28	24.97	10.31
	3/16/2006	35.28	25.05	10.23
	6/2/2006	35.28	20.93	14.35
	8/7/2006	35.28	27.27	8.01
	11/17/2006	35.28	25.15	10.13

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-21 (continued)	2/15/2007	35.28	26.65	8.63
	5/22/2007	35.28	24.04	11.24
	8/22/2007	35.28	27.90	7.38
	11/6/2007	35.28	29.12	6.16
	2/11/2008	35.28	24.75	10.53
	5/12/2008	35.28	24.51	10.77
	8/4/2008	35.28	26.48	8.80
	11/14/2008	35.28	26.75	8.53
	2/16/2009	35.28	27.77	7.51
	5/27/2009	35.28	22.49	12.79
	8/18/2009	35.28	28.10	7.18
	12/8/2009	35.28	27.22	8.06
	3/15/2010	35.28	26.81	8.47
	6/1/2010	35.28	24.85	10.43
	8/30/2010	35.28	27.91	7.37
	11/29/2010	35.28	26.73	8.55
	3/30/2011	35.28	22.61	12.67
	5/31/2011	35.28	16.48	18.80
	9/14/2011	35.28	27.02	8.26
	12/12/2011	35.28	27.17	8.11
	7/2/2012	35.28	19.85	15.43
	9/26/2012	35.28	27.74	7.54
	12/3/2012	35.28	23.89	11.39
	3/22/2013	35.28	27.09	8.19
	6/17/2013	35.28	25.25	10.03
	9/9/2013	35.28	27.94	7.34
	12/10/2013	35.28	27.55	7.73
	3/24/2014	35.28	23.79	11.49
	6/11/2014	35.28	23.43	11.85
	9/19/2014	35.28	28.60	6.68
	12/17/2014	35.28	26.11	9.17
	3/9/2015	34.86	25.75	9.49
	6/25/2015	35.28	28.12	7.16
	9/14/2015	35.28	28.45	6.83
	12/14/2015	35.28	22.80	12.48
	3/21/2016	35.28	22.65	12.63
	6/20/2016	35.28	26.36	8.92
	9/27/2016	35.28	28.72	6.56
	9/29/2016	35.28	28.60	6.68
	12/5/2016	35.28	25.44	9.84

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-21 (continued)	3/22/2017	35.28	16.21	19.07
	6/26/2017	35.28	21.51	13.77
	9/19/2017	35.28	27.56	7.72
	12/11/2017	35.28	26.62	8.66
	3/14/2018	35.28	25.38	9.90
	6/25/2018	35.28	24.92	10.36
	9/4/2018	35.28	28.39	6.89
	12/17/2018	37.38	27.89	9.49
	3/4/2019	37.38	27.16	10.22
	6/18/2019	37.38	25.54	11.84
	9/9/2019	37.38	28.75	8.63
	12/9/2019	37.38	28.36	9.02
	3/16/2020	37.38	27.09	10.29
	6/8/2020	37.38	22.11	15.27
	9/8/2020	37.38	28.10	9.28
	11/30/2020	37.38	27.25	10.13
	3/8/2021	37.38	25.67	11.71
	6/7/2021	37.38	25.17	12.21
	9/20/2021	37.38	28.53	8.85
	11/29/2021	37.38	27.00	10.38
	2/28/2022	37.38	26.24	11.14
	6/20/2022	37.38	18.18	19.2
MW-22	7/22/1991	37.81	28.98	8.83
	4/2/1992	37.81	29.81	8.00
	6/6/1992	37.81	28.96	8.85
	7/20/1994	37.81	29.90	7.91
	10/25/1994	37.81	31.40	6.41
	2/17/1995	37.81	26.14	11.67
	4/18/1995	37.81	26.99	10.82
	7/25/1995	37.81	28.80	9.01
	10/19/1995	37.81	30.81	7.00
	1/22/1996	37.81	19.40	18.41
	4/23/1996	37.81	21.49	16.32
	8/2/1996	37.81	27.48	10.33
	11/5/1996	37.81	30.78	7.03
	1/23/1997	37.81	21.81	16.00
	4/16/1997	37.81	25.22	12.59
	7/15/1997	37.81	25.22	12.59
	11/3/1997	37.81	27.85	9.96
	2/5/1998	37.81	25.34	12.47
	9/16/1998	37.81	30.43	7.38
	12/30/1998	37.81	22.92	14.89
	5/24/1999	37.81	24.92	12.89
	8/18/1999	37.81	28.11	9.70
	12/21/1999	37.81	24.05	13.76
	4/25/2000	37.81	24.05	13.76
	10/25/2000	37.81	30.97	6.84
	11/27/2000	37.81	30.22	7.59
	2/9/2001	37.81	30.08	7.73
	5/15/2001	37.81	30.59	7.22
	8/7/2001	37.81	31.15	6.66
	12/5/2001	37.81	27.38	10.43

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-22 (continued)	4/9/2002	37.81	28.98	8.83
	7/29/2002	37.81	29.02	8.79
	11/26/2002	37.81	30.67	7.14
	3/4/2003	37.81	28.99	8.82
	5/19/2003	37.81	26.51	11.30
	12/9/2003	37.81	28.74	9.07
	3/30/2004	37.81	28.76	9.05
	8/19/2004	37.81	30.02	7.79
	11/22/2004	37.81	30.62	7.19
	2/11/2005	37.81	29.05	8.76
	5/18/2005	37.81	27.08	10.73
	3/16/2006	37.81	27.49	10.32
	6/2/2006	37.81	23.14	14.67
	8/7/2006	37.81	29.92	7.89
	11/17/2006	37.81	27.34	10.47
	2/15/2007	37.81	29.23	8.58
	5/22/2007	37.81	26.50	11.31
	8/22/2007	37.81	30.63	7.18
	11/6/2007	37.81	31.73	6.08
	2/11/2008	37.81	27.00	10.81
	5/12/2008	37.81	26.85	10.96
	8/4/2008	37.81	29.04	8.77
	11/14/2008	37.81	28.70	9.11
	2/16/2009	37.81	29.45	8.36
	12/8/2009	37.81	29.64	8.17
	9/14/2011	37.81	29.73	8.08
	7/2/2012	37.81	22.94	14.87
	9/26/2012	37.81	30.59	7.22
	12/3/2012	37.81	27.89	9.92
	3/22/2013	37.81	29.68	8.13
	6/17/2013	37.81	27.90	9.91
	9/9/2013	37.81	30.59	7.22
	12/10/2013	37.81	30.10	7.71
	3/24/2014	37.81	26.30	11.51
	6/11/2014	37.81	26.05	11.76
	9/19/147	37.81	31.41	6.40
	12/17/2014	37.81	28.41	9.40
	3/9/2015	34.86	28.38	9.49
	6/25/2015	37.81	30.88	6.93
	9/14/2015	37.81	31.15	6.66
	12/14/2015	37.81	24.50	13.31

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-22 (continued)	3/21/2016	37.81	24.98	12.83
	6/20/2016	37.81	29.02	8.79
	9/27/2016	37.81	31.71	6.10
	9/29/2016	37.81	31.20	6.61
	12/5/2016	37.81	27.91	9.90
	3/22/2017	37.81	18.31	19.50
	6/26/2017	37.81	24.19	13.62
	9/19/2017	37.81	30.15	7.66
	12/11/2017	37.81	29.17	8.64
	3/14/2018	37.81	28.00	9.81
	6/25/2018	37.81	27.63	10.18
	9/4/2018	37.81	31.40	6.41
	12/17/2018	39.93	30.29	9.64
	3/4/2019	39.93	29.78	10.15
	6/18/2019	39.93	28.32	11.61
	9/9/2019	39.93	31.58	8.35
	12/9/2019	39.93	30.99	8.94
	3/16/2020	39.93	29.78	10.15
	6/8/2020	39.93	23.45	16.48
	9/8/2020	39.93	30.98	8.95
	11/30/2020	39.93	29.90	10.03
	3/8/2021	39.93	28.17	11.76
	6/7/2021	39.93	27.50	12.43
	9/20/2021	39.93	31.25	8.68
	11/29/2021	39.93	29.56	10.37
	2/28/2022	39.93	28.73	11.20
	6/20/2022	39.93	20.86	19.07
MW-27	4/2/1992	35.01	26.94	8.07
	6/6/1992	35.01	26.17	8.84
	7/20/1994	35.01	27.20	7.81
	10/25/1994	35.01	28.67	6.34
	2/17/1995	35.01	23.45	11.56
	4/18/1995	35.01	24.32	10.69
	7/25/1995	35.01	26.00	9.01
	10/19/1995	35.01	28.60	6.41
	1/22/1996	35.01	17.55	17.46
	4/23/1996	35.01	18.95	16.06
	8/2/1996	35.01	24.74	10.27
	11/5/1996	35.01	27.48	7.53
	1/23/1997	35.01	19.26	15.75
	4/16/1997	35.01	22.50	12.51
	7/15/1997	35.01	22.46	12.55
	11/3/1997	35.01	25.18	9.83
	2/5/1998	35.01	22.77	12.24
	9/16/1998	35.01	27.71	7.30
	12/30/1998	35.01	20.67	14.34
	5/24/1999	35.01	22.25	12.76
	8/18/1999	35.01	25.31	9.70
	12/21/1999	35.01	21.61	13.40
	4/25/2000	35.01	21.49	13.52
	10/25/2000	35.01	28.12	6.89
	11/27/2000	35.01	27.56	7.45

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-27 (continued)	2/9/2001	35.01	27.32	7.69
	5/15/2001	35.01	27.80	7.21
	8/7/2001	35.01	28.42	6.59
	12/5/2001	35.01	25.06	9.95
	4/9/2002	35.01	26.46	8.55
	7/29/2002	35.01	26.20	8.81
	11/26/2002	35.01	27.91	7.10
	3/4/2003	35.01	26.22	8.79
	5/19/2003	35.01	23.86	11.15
	12/9/2003	35.01	26.20	8.81
	3/30/2004	35.01	25.92	9.09
	8/19/2004	35.01	27.14	7.87
	11/22/2004	35.01	27.94	7.07
	2/11/2005	35.01	26.44	8.57
	5/18/2005	35.01	24.61	10.40
	9/16/2005	35.01	28.42	6.59
	11/8/2005	35.01	26.82	8.19
	2/20/2006	35.01	24.85	10.16
	6/2/2006	35.01	20.81	14.20
	8/7/2006	35.01	27.13	7.88
	11/17/2006	35.01	25.12	9.89
	2/15/2007	35.01	26.46	8.55
	5/22/2007	35.01	23.88	11.13
	8/22/2007	35.01	27.68	7.33
	11/6/2007	35.01	28.91	6.10
	2/11/2008	35.01	24.79	10.22
	5/12/2008	35.01	24.60	10.41
	8/4/2008	35.01	26.22	8.79
	11/14/2008	35.01	26.40	8.61
	2/16/2009	35.01	26.84	8.17
	5/27/2009	35.01	23.52	11.49
	8/18/2009	35.01	26.70	8.31
	12/7/2009	35.01	27.00	8.01
	3/15/2010	35.01	26.63	8.38
	6/1/2010	35.01	24.79	10.22
	8/30/2010	35.01	27.76	7.25
	11/29/2010	35.01	26.47	8.54
	3/30/2011	35.01	22.50	12.51
	5/31/2011	35.01	16.41	18.60
	9/14/2011	35.01	26.90	8.11
	12/12/2011	35.01	27.05	7.96

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-27 (continued)	7/2/2012	35.01	19.70	15.31
	9/26/2012	35.01	27.67	7.34
	12/3/2012	35.01	23.69	11.32
	3/22/2013	35.01	26.98	8.03
	6/17/2013	35.01	25.21	9.80
	9/9/2013	35.01	27.81	7.20
	12/10/2013	35.01	27.37	7.64
	3/24/2014	35.01	23.69	11.32
	6/11/2014	35.01	23.39	11.62
	9/19/2014	35.01	28.42	6.59
	12/17/2014	35.01	25.89	9.12
	3/9/2015	34.86	25.60	9.49
	6/25/2015	35.01	27.93	7.08
	9/14/2015	35.01	28.18	6.83
	12/14/2015	35.01	22.55	12.46
	3/21/2016	35.01	22.46	12.55
	6/20/2016	35.01	26.18	8.83
	9/27/2016	35.01	28.51	6.50
	9/29/2016	35.01	28.45	6.56
	12/5/2016	35.01	25.20	9.81
	3/22/2017	35.01	15.90	19.11
	6/26/2017	35.01	21.40	13.61
	9/19/2017	35.01	27.34	7.67
	12/11/2017	35.01	26.45	8.56
	3/14/2018	35.01	25.28	9.73
	6/25/2018	35.01	24.68	10.33
	9/4/2018	35.01	28.33	6.68
	12/17/2018	37.10	27.50	9.60
	3/4/2019	37.10	26.94	10.16
	6/18/2019	37.10	25.35	11.75
	9/9/2019	37.10	28.64	8.46
	12/9/2019	37.10	28.14	8.96
	3/16/2020	37.10	26.90	10.20
	6/8/2020	37.10	21.83	15.27
	9/8/2020	37.10	27.95	9.15
	11/30/2020	37.10	27.00	10.10
	3/8/2021	37.10	25.48	11.62
	6/7/2021	37.10	24.90	12.20
	9/20/2021	37.10	28.18	8.92
	11/29/2021	37.10	26.79	10.31
	2/28/2022	37.10	26.11	10.99
	6/20/2022	37.10	17.93	19.17
MW-34	4/18/1995	39.19	28.37	10.82
	7/25/1995	39.19	30.20	8.99
	10/19/1995	39.19	32.05	7.14
	1/22/1996	39.19	21.40	17.79
	4/23/1996	39.19	22.95	16.24
	8/2/1996	39.19	28.89	10.30
	11/5/1996	39.19	31.76	7.43
	1/23/1997	39.19	22.81	16.38
	4/16/1997	39.19	26.26	12.93
	7/15/1997	39.19	26.61	12.58
	11/3/1997	39.19	29.25	9.94

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-34 (continued)	2/5/1998	39.19	26.70	12.49
	9/16/1998	39.19	31.82	7.37
	12/30/1998	39.19	24.41	14.78
	5/24/1999	39.19	26.31	12.88
	8/18/1999	39.19	29.52	9.67
	12/21/1999	39.19	25.51	13.68
	4/25/2000	39.19	25.47	13.72
	10/25/2000	39.19	32.36	6.83
	11/27/2000	39.19	31.65	7.54
	2/9/2001	39.19	31.55	7.64
	5/15/2001	39.19	31.98	7.21
	8/7/2001	39.19	32.53	6.66
	12/5/2001	39.19	28.92	10.27
	4/9/2002	39.19	30.39	8.80
	7/29/2002	39.19	30.35	8.84
	11/26/2002	39.19	32.09	7.10
	3/4/2003	39.19	30.38	8.81
	5/19/2003	39.19	27.90	11.29
	12/9/2003	39.19	30.18	9.01
	3/30/2004	39.19	30.15	9.04
	8/19/2004	39.19	31.42	7.77
	11/22/2004	39.19	31.98	7.21
	2/11/2005	39.19	30.27	8.92
	5/18/2005	39.19	28.52	10.67
	9/16/2005	39.19	32.57	6.62
	11/8/2005	39.19	30.72	8.47
	3/16/2006	39.19	28.91	10.28
	6/2/2006	39.19	24.77	14.42
	8/7/2006	39.19	31.32	7.87
	11/17/2006	39.19	28.83	10.36
	2/15/2007	39.19	30.60	8.59
	5/22/2007	39.19	27.93	11.26
	8/22/2007	39.19	32.02	7.17
	11/6/2007	39.19	33.10	6.09
	2/11/2008	39.19	28.50	10.69
	5/12/2008	39.19	28.22	10.97
	8/4/2008	39.19	30.41	8.78
	11/14/2008	39.19	30.20	8.99
	2/16/2009	39.19	30.80	8.39

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-36	9/16/1998	36.82	29.48	7.34
	12/30/1998	36.82	22.09	14.73
	5/24/1999	36.82	23.95	12.87
	8/18/1999	36.82	27.17	9.65
	12/21/1999	36.82	23.19	13.63
	4/25/2000	36.82	23.11	13.71
	10/25/2000	36.82	29.17	7.65
	11/27/2000	36.82	29.30	7.52
	2/9/2001	36.82	29.00	7.82
	5/15/2001	36.82	29.88	6.94
	8/7/2001	36.82	30.16	6.66
	12/5/2001	36.82	26.50	10.32
	4/9/2002	36.82	28.01	8.81
	7/29/2002	36.82	28.06	8.76
	11/26/2002	36.82	29.69	7.13
	3/4/2003	36.82	27.97	8.85
	5/19/2003	36.82	25.52	11.30
	12/9/2003	36.82	27.75	9.07
	3/30/2004	36.82	27.70	9.12
	8/19/2004	36.82	29.16	7.66
	11/22/2004	36.82	29.48	7.34
	2/11/2005	36.82	28.08	8.74
	5/18/2005	36.82	26.10	10.72
	9/16/2005	36.82	30.32	6.50
	11/8/2005	36.82	28.35	8.47
	1/16/2006	36.82	20.55	16.27
	2/20/2006	36.82	27.20	9.62
	3/16/2006	36.82	26.62	10.20
	6/2/2006	36.82	22.45	14.37
	8/7/2006	36.82	29.02	7.80
	11/17/2006	36.82	26.51	10.31
	2/15/2007	36.82	28.29	8.53
	5/22/2007	36.82	25.54	11.28
	8/22/2007	36.82	29.69	7.13
	11/6/2007	36.82	30.76	6.06
	2/11/2008	36.82	24.12	12.70
	5/12/2008	36.82	25.85	10.97
	8/4/2008	36.82	28.08	8.74
	11/14/2008	36.82	27.81	9.01
	2/16/2009	36.82	28.34	8.48
	5/27/2009	36.82	23.93	12.89
	8/18/2009	36.82	29.82	7.00

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-36 (continued)	12/8/2009	36.82	28.80	8.02
	3/15/2010	36.82	28.35	8.47
	6/1/2010	36.82	26.35	10.47
	8/30/2010	36.82	29.63	7.19
	11/29/2010	36.82	28.29	8.53
	3/30/2011	36.82	24.08	12.74
	5/31/2011	36.82	17.71	19.11
	9/14/2011	36.82	28.80	8.02
	12/12/2011	36.82	28.74	8.08
	7/2/2012	36.82	21.30	15.52
	9/26/2012	36.82	29.55	7.27
	12/3/2012	36.82	25.10	11.72
	3/22/2013	36.82	28.71	8.11
	6/17/2013	36.82	26.95	9.87
	9/9/2013	36.82	29.55	7.27
	12/10/2013	36.82	29.11	7.71
	3/24/2014	36.82	25.41	11.41
	6/11/2014	36.82	25.10	11.72
	9/19/2014	36.82	30.32	6.50
	12/17/2014	36.82	27.63	9.19
	3/9/2015	34.86	27.40	9.49
	6/25/2015	36.82	21.42	15.40
	9/16/2015	36.82	29.90	6.92
	12/14/2015	36.82	23.57	13.25
	3/21/2016	36.82	24.10	12.72
	6/20/2016	36.82	28.08	8.74
	9/27/2016	36.82	30.41	6.41
	9/29/2016	36.82	30.21	6.61
	12/5/2016	36.82	27.01	9.81
	3/22/2017	36.82	17.38	19.44
	6/26/2017	36.82	23.19	13.63
	9/20/2017	36.82	29.10	7.72
	12/11/2017	36.82	28.35	8.47
	3/14/2018	36.82	27.00	9.82
	6/25/2018	36.82	26.65	10.17
	9/4/2018	36.82	30.39	6.43
	12/17/2018	38.89	29.41	9.48
	3/4/2019	38.89	29.01	9.88
	6/18/2019	38.89	27.23	11.66
	9/9/2019	38.89	30.62	8.27
	12/9/2019	38.89	30.01	8.88
	3/16/2020	38.89	28.88	10.01
	6/8/2020	38.89	23.48	15.41
	9/8/2020	38.89	29.95	8.94
	11/30/2020	38.89	28.93	9.96
	3/8/2021	38.89	27.35	11.54
	6/7/2021	38.89	26.49	12.40
	9/20/2021	38.89	30.09	8.80
	11/29/2021	38.89	28.52	10.37
	2/28/2022	38.89	27.89	11.00
	6/20/2022	38.89	19.56	19.33

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-37	9/16/1998	34.36	27.00	7.36
	12/30/1998	34.36	19.87	14.49
	5/24/1999	34.36	21.70	12.66
	8/18/1999	34.36	26.02	8.34
	12/21/1999	34.36	21.16	13.20
	4/25/2000	34.36	21.03	13.33
	10/25/2000	34.36	27.48	6.88
	11/27/2000	34.36	27.98	6.38
	2/9/2001	34.36	26.75	7.61
	5/15/2001	34.36	27.02	7.34
	8/7/2001	34.36	27.82	6.54
	12/5/2001	34.36	24.36	10.00
	4/9/2002	34.36	25.67	8.69
	7/29/2002	34.36	25.51	8.85
	11/26/2002	34.36	27.25	7.11
	3/4/2003	34.36	25.68	8.68
	5/19/2003	34.36	23.34	11.02
	12/9/2003	34.36	26.20	8.16
	3/30/2004	34.36	25.79	8.57
	8/19/2004	34.36	26.73	7.63
	11/22/2004	34.36	27.51	6.85
	2/11/2005	34.36	26.23	8.13
	5/18/2005	34.36	24.22	10.14
	9/16/2005	34.36	27.88	6.48
	11/8/2005	34.36	26.49	7.87
	2/20/2006	34.36	25.80	8.56
	3/16/2006	34.36	24.45	9.91
	6/2/2006	34.36	20.54	13.82
	8/7/2006	34.36	26.72	7.64
	2/15/2007	34.36	26.27	8.09
	5/22/2007	34.36	23.58	10.78
	8/22/2007	34.36	27.21	7.15
	11/6/2007	34.36	28.30	6.06
	2/11/2008	34.36	25.55	8.81
	5/12/2008	34.36	25.10	9.26
	8/4/2008	34.36	26.28	8.08
	11/14/2008	34.36	26.10	8.26
	2/16/2009	34.36	26.55	7.81
	5/27/2009	34.36	22.10	12.26
	8/18/2009	34.36	27.34	7.02
	12/8/2009	34.36	26.50	7.86

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-37 (continued)	3/15/2010	34.36	26.30	8.06
	6/1/2010	34.36	25.44	8.92
	8/30/2010	34.36	27.31	7.05
	11/29/2010	34.36	26.19	8.17
	3/30/2011	34.36	22.48	11.88
	5/31/2011	34.36	16.26	18.10
	9/14/2011	34.36	26.64	7.72
	12/12/2011	34.36	26.71	7.65
	7/2/2012	34.36	19.53	14.83
	9/26/2012	34.36	27.16	7.20
	12/3/2012	34.36	23.81	10.55
MW-38	9/16/1998	34.87	27.54	7.33
	12/30/1998	34.87	19.97	14.90
	5/24/1999	34.87	22.06	12.81
	8/18/1999	34.87	25.31	9.56
	12/21/1999	34.87	21.28	13.59
	4/25/2000	34.87	21.26	13.61
	10/25/2000	34.87	28.00	6.87
	11/27/2000	34.87	27.36	7.51
	2/9/2001	34.87	27.20	7.67
	5/15/2001	34.87	27.72	7.15
	8/7/2001	34.87	28.27	6.60
	12/5/2001	34.87	24.63	10.24
	4/9/2002	34.87	26.20	8.67
	7/29/2002	34.87	26.16	8.71
	11/26/2002	34.87	27.85	7.02
	3/4/2003	34.87	26.11	8.76
	5/19/2003	34.87	23.66	11.21
	12/9/2003	34.87	25.88	8.99
	3/30/2004	34.87	25.93	8.94
	8/19/2004	34.87	27.22	7.65
	11/22/2004	34.87	28.08	6.79
	2/11/2005	34.87	26.48	8.39
	5/18/2005	34.87	24.52	10.35
	9/16/2005	34.87	28.60	6.27
	11/8/2005	34.87	26.61	8.26
	2/20/2006	34.87	25.56	9.31
	3/16/2006	34.87	24.46	10.41
	6/2/2006	34.87	20.87	14.00
	8/7/2006	34.87	27.26	7.61
	11/17/2006	34.87	24.84	10.03

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-38 (continued)	2/15/2007	34.87	26.62	8.25
	5/22/2007	34.87	23.87	11.00
	8/22/2007	34.87	27.85	7.02
	11/6/2007	34.87	29.00	5.87
	2/11/2008	34.87	22.64	12.23
	5/12/2008	34.87	24.35	10.52
	8/4/2008	34.87	26.34	8.53
	11/14/2008	34.87	26.02	8.85
	2/16/2009	34.87	26.77	8.10
	5/27/2009	34.87	23.10	11.77
	8/18/2009	34.87	27.98	6.89
	12/8/2009	34.87	27.15	7.72
	3/15/2010	34.87	26.43	8.44
	6/1/2010	34.87	24.61	10.26
	8/30/2010	34.87	27.86	7.01
	11/29/2010	34.87	26.79	8.08
	3/30/2011	34.87	22.59	12.28
	5/31/2011	34.87	16.14	18.73
	9/14/2011	34.87	27.16	7.71
	12/12/2011	34.87	27.19	7.68
	7/2/2012	34.87	19.96	14.91
	9/26/2012	34.87	27.89	6.98
	12/3/2012	34.87	23.76	11.11
	12/11/2017	34.87	26.43	8.44
MW-39	9/16/1998	37.04	29.74	7.30
	12/30/1998	37.04	22.01	15.03
	5/24/1999	37.04	24.31	12.73
	8/18/1999	37.04	27.47	9.57
	12/21/1999	37.04	23.45	13.59
	4/25/2000	37.04	23.31	13.73
	10/25/2000	37.04	30.17	6.87
	11/27/2000	37.04	29.56	7.48
	2/9/2001	37.04	29.34	7.70
	5/15/2001	37.04	29.90	7.14
	8/7/2001	37.04	30.40	6.64
	12/5/2001	37.04	26.75	10.29
	4/9/2002	37.04	28.33	8.71
	7/29/2002	37.04	28.41	8.63
	11/26/2002	37.04	30.01	7.03

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-39 (continued)	3/4/2003	37.04	28.30	8.74
	5/19/2003	37.04	25.80	11.24
	12/9/2003	37.04	28.00	9.04
	3/30/2004	37.04	28.08	8.96
	8/19/2004	37.04	29.35	7.69
	11/22/2004	37.04	30.03	7.01
	2/11/2005	37.04	28.35	8.69
	5/18/2005	37.04	26.27	10.77
	9/16/2005	37.04	30.59	6.45
	2/20/2006	37.04	27.66	9.38
	3/16/2006	37.04	26.93	10.11
	6/2/2006	37.04	22.75	14.29
	8/7/2006	37.04	29.27	7.77
	11/17/2006	37.04	26.81	10.23
	2/15/2007	37.04	28.63	8.41
	5/22/2007	37.04	25.88	11.16
	8/22/2007	37.04	30.00	7.04
	11/6/2007	37.04	31.07	5.97
	2/11/2008	37.04	24.54	12.50
	5/12/2008	37.04	26.20	10.84
	8/4/2008	37.04	28.35	8.69
	11/14/2008	37.04	28.03	9.01
	2/16/2009	37.04	28.69	8.35
	5/27/2009	37.04	24.01	13.03
	8/18/2009	37.04	30.18	6.86
	12/8/2009	37.04	29.00	8.04
	3/15/2010	37.04	28.62	8.42
	6/1/2010	37.04	26.60	10.44
	8/30/2010	37.04	29.90	7.14
	11/29/2010	37.04	28.66	8.38
	3/30/2011	37.04	24.36	12.68
	5/31/2011	37.04	17.93	19.11
	9/14/2011	37.04	29.04	8.00
	12/12/2011	37.04	29.02	8.02
	7/2/2012	37.04	21.66	15.38
	9/26/2012	37.04	29.88	7.16
	12/3/2012	37.04	25.34	11.70

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-39 (continued)	3/22/2013	37.04	29.09	7.95
	6/17/2013	37.04	27.32	9.72
	9/9/2013	37.04	28.88	8.16
	12/10/2013	37.04	29.40	7.64
	3/24/2014	37.04	25.80	11.24
	6/11/2014	37.04	25.52	11.52
	9/19/2014	37.04	30.78	6.26
	12/17/2014	37.04	27.98	9.06
	3/9/2015	34.86	26.45	9.49
	6/25/2015	37.04	NM	--
	9/14/2015	37.04	30.27	6.77
	12/14/2015	37.04	23.90	13.14
	3/21/2016	37.04	24.52	12.52
	6/20/2016	37.04	28.42	8.62
	9/27/2016	37.04	30.71	6.33
	9/29/2016	37.04	30.45	6.59
	12/5/2016	37.04	27.33	9.71
	3/22/2017	37.04	17.69	19.35
	6/26/2017	37.04	23.55	13.49
	9/19/2017	37.04	29.40	7.64
	12/11/2017	37.04	28.68	8.36
	3/14/2018	37.04	27.4	9.64
	6/25/2018	37.04	27	10.04
	9/4/2018	37.04	30.70	6.34
	12/17/2018	39.14	29.67	9.47
	3/4/2019	39.14	29.33	9.81
	6/18/2019	39.14	27.75	11.39
	9/9/2019	39.14	30.94	8.20
	12/9/2019	39.14	30.30	8.84
	3/16/2020	39.14	29.26	9.88
	6/8/2020	39.14	23.70	15.44
	9/8/2020	39.14	30.25	8.89
	11/30/2020	39.14	29.16	9.98
	3/8/2021	39.14	27.62	11.52
	6/7/2021	39.14	26.74	12.40
	9/20/2021	39.14	30.45	8.69
	11/29/2021	39.14	28.80	10.34
	2/28/2022	39.14	28.21	10.93
	6/20/2022	39.14	19.86	19.28
MW-40	9/16/1998	39.49	32.23	7.26
	12/30/1998	39.49	24.44	15.05
	5/24/1999	39.49	26.72	12.77
	8/18/1999	39.49	29.89	9.60
	12/21/1999	39.49	25.85	13.64
	4/25/2000	39.49	25.79	13.70
	10/25/2000	39.49	32.80	6.69
	11/27/2000	39.49	32.01	7.48
	2/9/2001	39.49	31.88	7.61
	5/15/2001	39.49	32.32	7.17
	8/7/2001	39.49	32.92	6.57
	12/5/2001	39.49	29.19	10.30
	4/9/2002	39.49	30.80	8.69
	7/29/2002	39.49	30.90	8.59
	11/26/2002	39.49	32.39	7.10

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-40 (continued)	3/4/2003	39.49	30.80	8.69
	5/19/2003	39.49	28.23	11.26
	12/9/2003	39.49	30.46	9.03
	3/30/2004	39.49	30.56	8.93
	8/19/2004	39.49	31.72	7.77
	11/22/2004	39.49	32.27	7.22
	2/11/2005	39.49	30.81	8.68
	5/18/2005	39.49	22.84	16.65
	9/16/2005	39.49	32.96	6.53
	11/8/2005	39.49	31.15	8.34
	3/16/2006	39.49	29.30	10.19
	6/2/2006	39.49	25.17	14.32
	8/7/2006	39.49	31.65	7.84
	11/17/2006	39.49	29.19	10.30
	2/15/2007	39.49	31.00	8.49
	5/22/2007	39.49	28.23	11.26
	8/22/2007	39.49	32.41	7.08
	11/6/2007	39.49	33.50	5.99
	2/11/2008	39.49	26.92	12.57
	5/12/2008	39.49	28.60	10.89
	8/4/2008	39.49	30.75	8.74
	11/14/2008	39.49	30.39	9.10
	2/16/2009	39.49	31.08	8.41
	5/27/2009	39.49	26.44	13.05
	8/18/2009	39.49	32.49	7.00
	12/8/2009	39.49	31.62	7.87
	3/15/2010	39.49	31.00	8.49
	6/1/2010	39.49	29.00	10.49
	8/30/2010	39.49	32.25	7.24
	11/29/2010	39.49	30.94	8.55
	3/30/2011	39.49	26.80	12.69
	5/31/2011	39.49	20.32	19.17
	9/14/2011	39.49	31.51	7.98
	12/12/2011	39.49	31.39	8.10
	7/2/2012	39.49	23.98	15.51
	9/26/2012	39.49	32.43	7.06
	12/3/2012	39.49	27.72	11.77
	3/22/2013	39.49	31.47	8.02
	6/17/2013	39.49	29.70	9.79
	9/9/2013	39.49	32.31	7.18
	12/10/2013	39.49	31.78	7.71

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-40 (continued)	3/24/2014	39.49	28.12	11.37
	6/11/2014	39.49	22.85	16.64
	9/19/2014	39.49	33.23	6.26
	12/17/2014	39.49	30.11	9.38
	3/9/2015	34.86	30.09	9.49
	9/14/2015	39.49	32.97	6.52
	12/14/2015	39.49	26.29	13.20
	3/21/2016	39.49	26.89	12.60
	6/20/2016	39.49	30.80	8.69
	9/27/2016	39.49	33.17	6.32
	9/29/2016	39.49	32.90	6.59
	12/5/2016	39.49	29.72	9.77
	3/22/2017	39.49	20.08	19.41
	6/26/2017	39.49	26.00	13.49
	9/19/2017	39.49	31.91	7.58
	12/11/2017	39.49	31.00	8.49
	3/14/2018	39.49	29.79	9.70
	6/25/2018	39.49	29.41	10.08
	9/4/2018	39.49	33.23	6.26
	12/17/2018	41.61	31.86	9.75
	3/4/2019	41.61	31.60	10.01
	6/18/2019	41.61	29.96	11.65
	9/9/2019	41.61	33.46	8.15
	12/9/2019	41.61	32.79	8.82
	3/16/2020	41.61	31.57	10.04
	6/8/2020	41.61	26.13	15.48
	9/8/2020	41.61	32.70	8.91
	11/30/2020	41.61	31.64	9.97
	3/8/2021	41.61	29.98	11.63
	6/7/2021	41.61	29.18	12.43
	9/20/2021	41.61	33.06	8.55
	11/29/2021	41.61	31.18	10.43
	2/28/2022	41.61	30.48	11.13
	6/20/2022	41.61	22.26	19.35
MW-41	9/16/1998	36.57	29.19	7.38
	12/30/1998	36.57	21.95	14.62
	5/24/1999	36.57	23.66	12.91
	8/18/1999	36.57	26.83	9.74
	12/21/1999	36.57	22.90	13.67
	4/25/2000	36.57	22.88	13.69
	10/25/2000	36.57	29.48	7.09
	11/27/2000	36.57	28.99	7.58
	2/9/2001	36.57	28.80	7.77
	5/15/2001	36.57	29.30	7.27
	8/7/2001	36.57	29.92	6.65
	12/5/2001	36.57	26.94	9.63
	4/9/2002	36.57	27.72	8.85
	7/29/2002	36.57	27.69	8.88
	11/26/2002	36.57	29.38	7.19
	3/4/2003	36.57	27.69	8.88
	5/19/2003	36.57	25.27	11.30
	12/9/2003	36.57	27.58	8.99

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-41 (continued)	3/30/2004	36.57	27.34	9.23
	8/19/2004	36.57	28.79	7.78
	11/22/2004	36.57	29.24	7.33
	2/11/2005	36.57	27.84	8.73
	5/18/2005	36.57	25.92	10.65
	9/16/2005	36.57	29.85	6.72
	11/8/2005	36.57	28.10	8.47
	3/16/2006	36.57	26.27	10.30
	6/2/2006	36.57	22.15	14.42
	8/7/2006	36.57	28.61	7.96
	11/17/2006	36.57	26.23	10.34
	2/15/2007	36.57	27.92	8.65
	2/11/2008	36.57	23.85	12.72
	5/12/2008	36.57	25.63	10.94
	2/16/2009	36.57	28.06	8.51
	5/27/2009	36.57	23.79	12.78
	8/18/2009	36.57	29.55	7.02
	12/7/2009	36.57	28.60	7.97
	3/15/2010	36.57	28.10	8.47
	6/1/2010	36.57	26.05	10.52
	8/30/2010	36.57	29.21	7.36
	11/29/2010	36.57	27.99	8.58
	3/30/2011	36.57	23.77	12.80
	5/31/2011	36.57	17.60	18.97
	9/14/2011	36.57	24.20	12.37
	12/12/2011	36.57	28.33	8.24
	7/2/2012	36.57	21.01	15.56
	9/26/2012	36.57	29.24	7.33
	12/3/2012	36.57	24.80	11.77
	3/22/2013	36.57	28.41	8.16
	6/17/2013	36.57	26.60	9.97
	9/9/2013	36.57	29.30	7.27
	12/11/2013	36.57	28.65	7.92
	3/24/2014	36.57	29.04	7.53
	6/11/2014	36.57	24.75	11.82
	9/19/2014	36.57	30.01	6.56
	12/17/2014	NM	NM	--
	3/9/2015	34.86	21.70	9.49

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-41 (continued)	12/14/2015	36.57	23.43	13.14
	3/21/2016	36.57	23.81	12.76
	6/20/2016	36.57	27.95	8.62
	9/27/2016	36.57	29.82	6.75
	9/29/2016	36.57	29.56	7.01
	12/5/2016	36.57	26.68	9.89
	3/22/2017	36.57	17.54	19.03
	6/26/2017	36.57	22.85	13.72
	9/19/2017	36.57	24.23	12.34
	12/11/2017	36.57	27.88	8.69
	6/25/2018	36.57	26.35	10.22
	9/4/2018	36.57	29.99	6.58
	12/17/2018	38.71	29.03	9.68
	3/4/2019	38.71	28.44	10.27
	6/18/2019	38.71	24.25	14.46
	9/9/2019	38.71	24.23	14.48
	12/9/2019	38.71	NM	NM
	3/16/2020	38.71	28.36	10.35
	6/8/2020	38.71	23.24	15.47
	9/8/2020	38.71	29.64	9.07
	11/30/2020	38.71	28.62	10.09
	3/8/2021	38.71	26.95	11.76
	6/7/2021	38.71	26.29	12.42
	9/20/2021	38.71	30.02	8.69
	11/29/2021	38.71	28.33	10.38
	2/28/2022	38.71	27.25	11.46
	6/20/2022	38.71	19.37	19.34
MW-42	9/16/1998	38.49	31.17	7.32
	12/30/1998	38.49	23.54	14.95
	5/24/1999	38.49	25.66	12.83
	8/18/1999	38.49	28.84	9.65
	12/21/1999	38.49	24.80	13.69
	4/25/2000	38.49	24.75	13.74
	10/25/2000	38.49	31.69	6.80
	11/27/2000	38.49	30.95	7.54
	2/9/2001	38.49	30.80	7.69
	5/15/2001	38.49	31.25	7.24
	8/7/2001	38.49	31.87	6.62
	12/5/2001	38.49	28.16	10.33
	4/9/2002	38.49	29.70	8.79
	7/29/2002	38.49	29.08	9.41
	11/26/2002	38.49	31.35	7.14
	3/4/2003	38.49	29.71	8.78
	5/19/2003	38.49	27.19	11.30
	12/9/2003	38.49	29.44	9.05
	3/30/2004	38.49	29.41	9.08
	8/19/2004	38.49	30.73	7.76
	11/22/2004	38.49	31.21	7.28
	2/11/2005	38.49	29.76	8.73
	5/18/2005	38.49	27.81	10.68
	9/16/2005	38.49	31.90	6.59
	11/8/2005	38.49	29.98	8.51

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-42 (continued)	2/20/2006	38.49	28.64	9.85
	3/16/2006	38.49	28.22	10.27
	6/2/2006	38.49	24.08	14.41
	8/7/2006	38.49	30.62	7.87
	11/17/2006	38.49	28.13	10.36
	2/15/2007	38.49	29.95	8.54
	5/22/2007	38.49	27.19	11.30
	8/22/2007	38.49	31.33	7.16
	11/6/2007	38.49	32.45	6.04
	2/11/2008	38.49	25.81	12.68
	5/12/2008	38.49	27.50	10.99
	8/4/2008	38.49	29.76	8.73
	11/14/2008	38.49	29.45	9.04
	2/16/2009	38.49	29.98	8.51
	5/27/2009	38.49	25.40	13.09
	8/18/2009	38.49	31.41	7.08
	12/7/2009	38.49	30.36	8.13
	3/15/2010	38.49	29.95	8.54
	6/1/2010	38.49	28.01	10.48
	8/30/2010	38.49	31.20	7.29
	11/29/2010	38.49	29.88	8.61
	3/30/2011	38.49	25.70	12.79
	5/31/2011	38.49	19.24	19.25
	9/14/2011	38.49	30.43	8.06
	12/12/2011	38.49	30.40	8.09
	7/2/2012	38.49	22.95	15.54
	9/28/2012	38.49	31.28	7.21
	12/3/2012	38.49	26.67	11.82
	3/22/2013	38.49	30.39	8.10
	6/17/2013	38.49	28.61	9.88
	9/9/2013	38.49	31.28	7.21
	12/10/2013	38.49	30.73	7.76
	3/24/2014	38.49	26.98	11.51
	6/11/2014	38.49	26.78	11.71
	9/19/2014	38.49	32.15	6.34
	12/17/2014	38.49	29.05	9.44
	3/9/2015	34.86	29.05	9.49
	6/25/2015	38.49	31.55	6.94
	9/14/2015	38.49	31.87	6.62
	12/14/2015	38.49	25.22	13.27

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-42 (continued)	3/21/2016	38.49	25.73	12.76
	6/20/2016	38.49	29.72	8.77
	9/27/2016	38.49	32.10	6.39
	9/29/2016	38.49	31.90	6.59
	12/5/2016	38.49	28.60	9.89
	3/22/2017	38.49	18.31	20.18
	6/26/2017	38.49	24.92	13.57
	9/19/2017	38.49	30.89	7.60
	12/11/2017	38.49	29.85	8.64
	3/14/2018	38.49	28.68	9.81
	6/25/2018	38.49	28.35	10.14
	9/4/2018	38.49	32.10	6.39
	12/17/2018	40.63	30.88	9.75
	3/4/2019	40.63	30.49	10.14
	6/18/2019	40.63	28.90	11.73
	9/9/2019	40.63	32.25	8.38
	12/9/2019	40.63	31.81	8.82
	3/16/2020	40.63	30.39	10.24
	6/8/2020	40.63	25.09	15.54
	9/8/2020	40.63	31.69	8.94
	11/30/2020	40.63	30.55	10.08
	3/8/2021	40.63	28.94	11.69
	6/7/2021	40.63	28.18	12.45
	9/20/2021	40.63	32.00	8.63
	11/29/2021	40.63	30.19	10.44
	2/28/2022	40.63	29.32	11.31
	6/20/2022	40.63	21.19	19.44
MW-43	5/24/1999	40.34	27.65	12.69
	8/18/1999	40.34	30.85	9.49
	12/21/1999	40.34	26.77	13.57
	4/25/2000	40.34	26.68	13.66
	10/25/2000	40.34	33.43	6.91
	11/27/2000	40.34	32.88	7.46
	2/9/2001	40.34	32.81	7.53
	5/15/2001	40.34	33.22	7.12
	8/7/2001	40.34	33.83	6.51
	12/5/2001	40.34	30.03	10.31
	4/9/2002	40.34	31.73	8.61
	7/29/2002	40.34	31.74	8.60
	11/26/2002	40.34	33.25	7.09
	3/4/2003	40.34	31.77	8.57
	5/19/2003	40.34	29.14	11.20
	12/9/2003	40.34	31.30	9.04
	3/30/2004	40.34	31.49	8.85
	8/19/2004	40.34	32.66	7.68
	11/22/2004	40.34	33.22	7.12
	2/11/2005	40.34	31.67	8.67
	5/18/2005	40.34	29.70	10.64
	9/16/2005	40.34	33.80	6.54
	11/8/2005	40.34	31.93	8.41

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-43 (continued)	2/20/2006	40.34	30.74	9.60
	3/16/2006	40.34	30.21	10.13
	6/2/2006	40.34	26.11	14.23
	8/7/2006	40.34	32.63	7.71
	11/17/2006	40.34	30.07	10.27
	2/15/2007	40.34	31.94	8.40
	5/22/2007	40.34	28.95	11.39
	8/22/2007	40.34	33.39	6.95
	11/6/2007	40.34	34.47	5.87
	2/11/2008	40.34	29.89	10.45
	5/12/2008	40.34	29.51	10.83
	8/4/2008	40.34	31.71	8.63
	11/14/2008	40.34	31.20	9.14
	2/16/2009	40.34	31.91	8.43
	5/27/2009	40.34	27.22	13.12
	8/18/2009	40.34	33.41	6.93
	12/7/2009	40.34	32.33	8.01
	3/15/2010	40.34	31.90	8.44
	6/1/2010	40.34	29.88	10.46
	8/30/2010	40.34	33.16	7.18
	11/29/2010	40.34	31.99	8.35
	3/30/2011	40.34	27.76	12.58
	5/31/2011	40.34	21.13	19.21
	9/14/2011	40.34	32.38	7.96
	12/12/2011	40.34	32.29	8.05
	7/2/2012	40.34	24.93	15.41
	9/26/2012	40.34	33.46	6.88
	12/3/2012	40.34	28.59	11.75
	3/22/2013	40.34	32.43	7.91
	6/17/2013	40.34	30.81	9.53
	9/9/2013	40.34	33.19	7.15
	12/10/2013	40.34	33.15	7.19
	3/24/2014	40.34	29.16	11.18
	6/11/2014	40.34	28.83	11.51
	9/19/2014	40.34	34.50	5.84
	12/17/2014	40.34	30.96	9.38
	3/9/2015	34.86	31.10	9.49
	6/25/2015	40.34	33.55	6.79
	9/14/2015	40.34	33.95	6.39
	12/14/2015	40.34	7.30	33.04

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-43 (continued)	3/21/2016	40.34	27.91	12.43
	6/20/2016	40.34	31.76	8.58
	9/27/2016	40.34	34.20	6.14
	9/29/2016	40.34	33.85	6.49
	12/5/2016	40.34	30.66	9.68
	3/22/2017	40.34	20.94	19.40
	6/26/2017	40.34	26.97	13.37
	9/19/2017	40.34	32.72	7.62
	12/11/2017	40.34	31.92	8.42
	3/14/2018	40.34	30.75	9.59
	6/25/2018	40.34	30.45	9.89
	9/4/2018	40.34	34.28	6.06
	12/17/2018	42.41	32.57	9.84
	3/4/2019	42.41	32.65	9.76
	6/18/2019	42.41	31.09	11.32
	9/9/2019	42.41	34.47	7.94
	12/9/2019	42.41	33.34	9.07
	3/16/2020	42.41	32.46	9.95
	6/8/2020	42.41	27.01	15.4
	9/8/2020	42.41	33.81	8.6
	11/30/2020	42.41	32.58	9.83
	3/8/2021	42.41	30.96	11.45
	6/7/2021	42.41	30.14	12.27
	9/20/2021	42.41	34.07	8.34
	11/29/2021	42.41	32.19	10.22
	2/28/2022	42.41	31.37	11.04
	6/20/2022	42.41	23.23	19.18
MW-44	5/24/1999	34.78	22.70	12.08
	8/18/1999	34.78	25.21	9.57
	12/21/1999	34.78	21.22	13.56
	4/25/2000	34.78	21.09	13.69
	10/25/2000	34.78	27.90	6.88
	11/27/2000	34.78	27.40	7.38
	2/9/2001	34.78	27.05	7.73
	5/15/2001	34.78	27.56	7.22
	8/7/2001	34.78	28.02	6.76
	12/5/2001	34.78	24.07	10.71
	4/9/2002	34.78	26.16	8.62
	11/26/2002	34.78	27.87	6.91
	3/4/2003	34.78	29.00	5.78
	5/19/2003	34.78	23.91	10.87
	12/9/2003	34.78	26.27	8.51
	3/30/2004	34.78	25.88	8.90
	11/22/2004	34.78	27.61	7.17
	2/11/2005	34.78	26.04	8.74
	5/18/2005	34.78	24.40	10.38
	9/16/2005	34.78	27.91	6.87
	11/8/2005	34.78	26.82	7.96
	2/20/2006	34.78	24.68	10.10
	3/16/2006	34.78	24.72	10.06
	6/2/2006	34.78	20.49	14.29
	8/7/2006	34.78	27.05	7.73
	11/17/2006	34.78	24.50	10.28

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-44 (continued)	2/15/2007	34.78	26.29	8.49
	5/22/2007	34.78	24.81	9.97
	8/22/2007	34.78	27.57	7.21
	11/6/2007	34.78	28.26	6.52
	2/11/2008	34.78	24.60	10.18
	5/12/2008	34.78	24.15	10.63
	8/4/2008	34.78	26.09	8.69
	11/14/2008	34.78	26.11	8.67
	2/16/2009	34.78	27.70	7.08
	5/27/2009	34.78	25.49	9.29
	8/18/2009	34.78	27.15	7.63
	12/7/2009	34.78	26.98	7.80
	3/15/2010	34.78	26.31	8.47
	6/1/2010	34.78	24.68	10.10
	8/30/2010	34.78	27.44	7.34
	11/29/2010	34.78	26.58	8.20
	3/30/2011	34.78	22.09	12.69
	5/31/2011	34.78	15.73	19.05
	9/14/2011	34.78	24.20	10.58
	12/12/2011	34.78	26.41	8.37
	7/2/2012	34.78	19.50	15.28
	9/26/2012	34.78	26.63	8.15
	12/3/2012	34.78	24.62	10.16
	3/22/2013	34.78	26.89	7.89
	6/17/2013	34.78	25.47	9.31
	9/9/2013	34.78	27.58	7.20
	12/10/2013	34.78	27.51	7.27
	3/24/2014	34.78	24.40	10.38
	6/11/2014	34.78	23.22	11.56
	9/19/2014	34.78	26.30	8.48
	12/17/2014	34.78	25.46	9.32
	3/9/2015	34.86	24.80	9.49
	6/25/2015	34.78	27.48	7.30
	9/14/2015	34.78	28.41	6.37
	12/14/2015	34.78	24.85	9.93
	3/21/2016	34.78	22.40	12.38
	6/20/2016	34.78	26.04	8.74
	9/27/2016	34.78	30.23	4.55
	9/29/2016	34.78	28.23	6.55
	12/5/2016	34.78	25.08	9.70

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-44 (continued)	3/22/2017	34.78	15.56	19.22
	6/26/2017	34.78	19.82	14.96
	9/19/2017	34.78	26.61	8.17
	12/11/2017	34.78	27.2	7.58
	3/14/2018	34.78	25.24	9.54
	6/25/2018	34.78	24.91	9.87
	9/4/2018	34.78	28.60	6.18
	12/17/2018	36.90	27.06	9.84
	3/4/2019	36.90	26.58	10.32
	6/18/2019	36.90	23.72	13.18
	9/9/2019	36.90	28.29	8.61
	12/9/2019	36.90	27.92	8.98
	3/16/2020	36.90	26.76	10.14
	6/8/2020	36.90	21.89	15.01
	9/8/2020	36.90	27.97	8.93
	11/30/2020	36.90	26.98	9.92
	3/8/2021	36.90	25.47	11.43
	6/7/2021	36.90	24.62	12.28
	9/20/2021	36.90	28.27	8.63
	11/29/2021	36.90	26.51	10.39
	2/28/2022	36.90	25.98	10.92
	6/20/2022	36.90	17.61	19.29
MW-45	5/24/1999	36.89	24.02	12.87
	8/18/1999	36.89	27.18	9.71
	12/21/1999	36.89	23.27	13.62
	4/25/2000	36.89	23.20	13.69
	10/25/2000	36.89	29.98	6.91
	11/27/2000	36.89	29.34	7.55
	2/9/2001	36.89	29.16	7.73
	5/15/2001	36.89	29.65	7.24
	8/7/2001	36.89	30.22	6.67
	12/5/2001	36.89	26.65	10.24
	4/9/2002	36.89	28.07	8.82
	7/29/2002	36.89	28.40	8.49
	11/26/2002	36.89	29.77	7.12
	3/4/2003	36.89	28.06	8.83
	5/19/2003	36.89	25.62	11.27
	12/9/2003	36.89	27.83	9.06
	3/30/2004	36.89	27.71	9.18
	8/19/2004	36.89	29.14	7.75
	11/22/2004	36.89	29.61	7.28
	2/11/2005	36.89	28.14	8.75
	5/18/2005	36.89	26.24	10.65
	9/16/2005	36.89	30.30	6.59
	11/8/2005	36.89	29.45	7.44
	1/16/2006	36.89	20.65	16.24
	2/20/2006	36.89	27.91	8.98
	3/16/2006	36.89	26.63	10.26
	6/2/2006	36.89	23.56	13.33
	8/7/2006	36.89	29.63	7.26
	11/17/2006	36.89	26.81	10.08

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-45 (continued)	2/15/2007	36.89	28.27	8.62
	5/22/2007	36.89	25.96	10.93
	8/22/2007	36.89	30.21	6.68
	11/6/2007	36.89	31.00	5.89
	2/11/2008	36.89	26.04	10.85
	5/12/2008	36.89	25.96	10.93
	8/4/2008	36.89	28.79	8.10
	11/14/2008	36.89	28.12	8.77
	2/16/2009	36.89	28.41	8.48
	5/27/2009	36.89	24.19	12.70
	8/18/2009	36.89	29.91	6.98
	12/8/2009	36.89	28.93	7.96
	3/15/2010	36.89	28.44	8.45
	6/1/2010	36.89	26.91	9.98
	8/30/2010	36.89	30.03	6.86
	11/29/2010	36.89	28.50	8.39
	3/30/2011	36.89	24.16	12.73
	5/31/2011	36.89	17.90	18.99
	9/14/2011	36.89	28.68	8.21
	12/12/2011	36.89	28.83	8.06
	7/2/2012	36.89	21.34	15.55
	9/26/2012	36.89	29.40	7.49
	12/3/2012	36.89	25.25	11.64
MW-49	11/27/2000	35.52	28.30	7.22
	2/9/2001	35.52	27.83	7.69
	5/15/2001	35.52	28.37	7.15
	8/7/2001	35.52	28.92	6.60
	12/5/2001	35.52	25.26	10.26
	4/9/2002	35.52	26.80	8.72
	7/29/2002	35.52	26.81	8.71
	11/26/2002	35.52	28.49	7.03
	3/4/2003	35.52	26.79	8.73
	5/19/2003	35.52	24.32	11.20
	12/9/2003	35.52	26.53	8.99
	3/30/2004	35.52	26.63	8.89
	8/19/2004	35.52	27.86	7.66
	11/22/2004	35.52	28.67	6.85
	2/11/2005	35.52	26.95	8.57
	5/18/2005	35.52	25.02	10.50
	9/16/2005	35.52	29.08	6.44
	11/8/2005	35.52	27.14	8.38
	2/20/2006	35.52	25.74	9.78
	3/16/2006	35.52	25.40	10.12
	6/2/2006	35.52	21.34	14.18
	8/7/2006	35.52	27.76	7.76

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-49 (continued)	11/17/2006	35.52	25.37	10.15
	2/15/2007	35.52	27.14	8.38
	5/22/2007	35.52	24.43	11.09
	8/22/2007	35.52	28.43	7.09
	11/6/2007	35.52	29.50	6.02
	2/11/2008	35.52	25.11	10.41
	5/12/2008	35.52	24.80	10.72
	8/4/2008	35.52	26.96	8.56
	11/14/2008	35.52	26.66	8.86
	2/16/2009	35.52	27.38	8.14
	5/27/2009	35.52	22.59	12.93
	8/18/2009	35.52	28.58	6.94
	12/8/2009	35.52	27.55	7.97
	3/15/2010	35.52	28.15	7.37
	6/1/2010	35.52	25.14	10.38
	8/30/2010	35.52	28.43	7.09
	11/29/2010	35.52	27.17	8.35
	3/30/2011	35.52	23.08	12.44
	5/31/2011	35.52	17.63	17.89
	9/14/2011	35.52	27.64	7.88
	12/12/2011	35.52	27.64	7.88
	7/2/2012	35.52	20.30	15.22
	9/26/2012	35.52	28.35	7.17
	12/3/2012	35.52	24.09	11.43
	3/22/2013	35.52	27.65	7.87
	6/17/2013	35.52	25.93	9.59
	9/9/2013	35.52	28.52	7.00
	12/10/2013	35.52	28.05	7.47
	3/24/2014	35.52	24.41	11.11
	6/11/2014	35.52	24.14	11.38
	9/19/2014	35.52	29.11	6.41
	12/17/2014	35.52	26.47	9.05
	3/9/2015	34.86	26.10	9.49
	6/25/2015	35.52	28.67	6.85
	12/14/2015	35.52	22.68	12.84
	3/21/2016	35.52	23.01	12.51
	6/20/2016	35.52	26.84	8.68
	9/27/2016	35.52	29.10	6.42
	9/29/2016	35.52	29.04	6.48
	12/5/2016	35.52	25.70	9.82

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-49 (continued)	3/22/2017	35.52	16.18	19.34
	6/26/2017	35.52	22.03	13.49
	9/19/2017	35.52	27.93	7.59
	12/11/2017	35.52	27.09	8.43
	3/14/2018	35.52	25.8	9.72
	6/25/2018	35.52	25.45	10.07
	9/4/2018	35.52	29.00	6.52
	12/17/2018	37.64	28.17	9.47
	3/4/2019	37.64	27.62	10.02
	6/18/2019	37.64	25.99	11.65
	9/9/2019	37.64	29.30	8.34
	12/9/2019	37.64	28.79	8.85
	3/16/2020	37.64	27.68	9.96
	6/8/2020	37.64	22.15	15.49
	9/8/2020	37.64	28.69	8.95
	11/30/2020	37.64	27.53	10.11
	3/8/2021	37.64	26.08	11.56
	6/7/2021	37.64	25.30	12.34
	9/20/2021	37.64	28.82	8.82
	11/29/2021	37.64	27.24	10.4
	2/28/2022	37.64	26.53	11.11
	6/20/2022	37.64	18.33	19.31
MW-50	11/27/2000	40.05	32.67	7.38
	2/9/2001	40.05	32.68	7.37
	5/15/2001	40.05	33.08	6.97
	8/7/2001	40.05	33.99	6.06
	12/5/2001	40.05	29.84	10.21
	4/9/2002	40.05	28.42	11.63
	7/29/2002	40.05	31.97	8.08
	11/26/2002	40.05	33.07	6.98
	3/4/2003	40.05	31.61	8.44
	5/19/2003	40.05	29.02	11.03
	12/9/2003	40.05	31.13	8.92
	3/30/2004	40.05	31.35	8.70
	8/19/2004	40.05	32.47	7.58
	11/22/2004	40.05	33.00	7.05
	2/11/2005	40.05	31.50	8.55
	5/18/2005	40.05	29.49	10.56
	9/16/2005	40.05	33.72	6.33
	11/8/2005	40.05	31.77	8.28
	2/20/2006	40.05	30.63	9.42
	3/16/2006	40.05	30.11	9.94
	6/2/2006	40.05	25.96	14.09
	8/7/2006	40.05	32.45	7.60
	11/17/2006	40.05	29.92	10.13
	2/15/2007	40.05	31.79	8.26
	5/22/2007	40.05	29.11	10.94
	8/22/2007	40.05	33.22	6.83
	11/6/2007	40.05	34.30	5.75
	2/11/2008	40.05	29.80	10.25
	5/12/2008	40.05	29.35	10.70
	8/4/2008	40.05	31.42	8.63
	11/14/2008	40.05	31.15	8.90

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-50 (continued)	2/16/2009	40.05	31.82	8.23
	5/27/2009	40.05	27.22	12.83
	8/18/2009	40.05	33.14	6.91
	12/7/2009	40.05	32.18	7.87
	3/15/2010	40.05	31.79	8.26
	6/1/2010	40.05	29.74	10.31
	8/30/2010	40.05	33.03	7.02
	11/29/2010	40.05	31.89	8.16
	3/30/2011	40.05	27.70	12.35
	5/31/2011	40.05	20.86	19.19
	9/14/2011	40.05	32.26	7.79
	12/12/2011	40.05	32.17	7.88
	7/2/2012	40.05	24.72	15.33
	9/26/2012	40.05	33.32	6.73
	12/3/2012	40.05	28.55	11.50
	3/22/2013	40.05	32.30	7.75
	6/17/2013	40.05	30.59	9.46
	9/9/2013	40.05	33.03	7.02
	12/10/2013	40.05	32.89	7.16
	3/24/2014	40.05	29.02	11.03
	6/11/2014	40.05	28.70	11.03
	9/19/2014	40.05	34.35	11.35
	12/17/2014	40.05	30.82	9.23
	3/9/2015	34.86	30.90	9.49
	6/25/2015	40.05	33.40	6.65
	9/14/2015	40.05	33.74	6.31
	12/14/2015	40.05	27.05	13.00
	3/21/2016	40.05	27.80	12.25
	6/20/2016	40.05	31.60	8.45
	9/27/2016	40.05	34.04	6.01
	9/29/2016	40.05	33.68	6.37
	12/5/2016	40.05	30.53	9.52
	3/22/2017	40.05	20.72	19.33
	6/26/2017	40.05	22.89	17.16
	9/19/2017	40.05	32.83	7.22
	12/11/2017	40.05	31.76	8.29
	3/14/2018	40.05	30.61	9.44
	6/25/2018	40.05	30.32	9.73
	9/4/2018	40.05	34.13	5.92
	12/17/2018	42.08	32.39	9.69
	3/4/2019	42.08	32.52	9.56
	6/18/2019	42.08	30.94	11.14
	9/9/2019	42.08	34.23	7.85
	12/9/2019	42.08	33.16	8.92
	3/16/2020	42.08	32.22	9.86
	6/8/2020	42.08	26.75	15.33
	9/8/2020	42.08	33.46	8.62
	11/30/2020	42.08	32.39	9.69
	3/8/2021	42.08	30.79	11.29
	6/7/2021	42.08	29.88	12.20
	9/20/2021	42.08	33.84	8.24
	11/29/2021	42.08	31.88	10.20
	2/28/2022	42.08	31.12	10.96
	6/20/2022	42.08	22.91	19.17

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-51	11/27/2000	34.01	26.61	7.40
	2/9/2001	34.01	26.55	7.46
	5/15/2001	34.01	27.00	7.01
	8/7/2001	34.01	27.64	6.37
	12/5/2001	34.01	23.64	10.37
	4/9/2002	34.01	25.63	8.38
	7/29/2002	34.01	25.75	8.26
	11/26/2002	34.01	27.02	6.99
	3/4/2003	34.01	25.61	8.40
	5/19/2003	34.01	23.01	11.00
	12/9/2003	34.01	25.00	9.01
	3/30/2004	34.01	25.31	8.70
	8/19/2004	34.01	26.46	7.55
	11/22/2004	34.01	27.11	6.90
	2/11/2005	34.01	25.57	8.44
	5/18/2005	34.01	23.58	10.43
	9/16/2005	34.01	27.75	6.26
	11/8/2005	34.01	25.62	8.39
	2/20/2006	34.01	24.77	9.24
	3/16/2006	34.01	24.11	9.90
	6/2/2006	34.01	20.17	13.84
	8/7/2006	34.01	26.62	7.39
	11/17/2006	34.01	23.91	10.10
	2/15/2007	34.01	25.96	8.05
	8/22/2007	34.01	27.25	6.76
	11/6/2007	34.01	28.20	5.81
	2/11/2008	34.01	23.94	10.07
	5/12/2008	34.01	23.50	10.51
	8/4/2008	34.01	25.69	8.32
	11/14/2008	34.01	24.96	9.05
	2/16/2009	34.01	25.99	8.02
	5/27/2009	34.01	21.00	13.01
	8/18/2009	34.01	27.30	6.71
	12/7/2009	34.01	26.12	7.89
	3/15/2010	34.01	25.84	8.17
	6/1/2010	34.01	23.80	10.21
	8/30/2010	34.01	27.16	6.85
	11/29/2010	34.01	25.93	8.08

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-51 (continued)	3/30/2011	34.01	21.95	12.06
	5/31/2011	34.01	14.87	19.14
	9/14/2011	34.01	26.42	7.59
	12/12/2011	34.01	26.33	7.68
	7/2/2012	34.01	18.98	15.03
	9/26/2012	34.01	27.38	6.63
	12/3/2012	34.01	22.60	11.41
	3/22/2013	34.01	26.41	7.60
	6/17/2013	34.01	24.81	9.20
	9/9/2013	34.01	27.16	6.85
	12/10/2013	34.01	26.85	7.16
	3/24/2014	34.01	23.25	10.76
	6/11/2014	34.01	22.91	11.10
	9/19/2014	34.01	28.00	6.01
	12/17/2014	34.01	24.77	9.24
	3/9/2015	34.86	24.90	9.49
	6/25/2015	34.01	27.32	6.69
	9/14/2015	34.01	27.59	6.42
	12/14/2015	34.01	21.00	13.01
	3/21/2016	34.01	21.84	12.17
	6/20/2016	34.01	25.54	8.47
	9/27/2016	34.01	27.55	6.46
	9/29/2016	34.01	27.61	6.40
	12/5/2016	34.01	24.39	9.62
	3/22/2017	34.01	14.65	19.36
	6/26/2017	34.01	20.95	13.06
	9/19/2017	34.01	26.65	7.36
	12/11/2017	34.01	25.75	8.26
	3/14/2018	34.01	24.59	9.42
	6/25/2018	34.01	24.35	9.66
	9/4/2018	34.01	27.89	6.12
	12/17/2018	36.03	26.45	9.58
	3/4/2019	36.03	26.38	9.65
	6/18/2019	36.03	24.92	11.11
	9/9/2019	36.03	27.97	8.06
	12/9/2019	36.03	27.25	8.78
	3/16/2020	36.03	26.3	9.73
	6/8/2020	36.03	20.63	15.4
	9/8/2020	36.03	27.48	8.55
	11/30/2020	36.03	26.28	9.75
	3/8/2021	36.03	24.71	11.32
	6/7/2021	36.03	23.85	12.18
	9/20/2021	36.03	27.69	8.34
	11/29/2021	36.03	25.73	10.30
	2/28/2022	36.03	25.14	10.89
	6/20/2022	36.03	16.85	19.18
MW-52	11/27/2000	34.41	27.61	6.80
	2/9/2001	34.41	27.21	7.20
	5/15/2001	34.41	27.40	7.01
	8/7/2001	34.41	28.62	5.79
	12/5/2001	34.41	25.49	8.92
	4/9/2002	34.41	26.20	8.21
	7/29/2002	34.41	25.96	8.45
	11/26/2002	34.41	27.62	6.79

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-52 (continued)	3/4/2003	34.41	26.85	7.56
	5/19/2003	34.41	24.09	10.32
	12/9/2003	34.41	25.60	8.81
	3/30/2004	34.41	25.80	8.61
	8/19/2004	34.41	26.53	7.88
	11/22/2004	34.41	27.73	6.68
	2/11/2005	34.41	27.03	7.38
	5/18/2005	34.41	24.14	10.27
	9/16/2005	34.41	28.44	5.97
	2/20/2006	34.41	25.31	9.10
	3/16/2006	34.41	24.60	9.81
	6/2/2006	34.41	20.84	13.57
	8/7/2006	34.41	27.16	7.25
	2/15/2007	34.41	26.53	7.88
	5/22/2007	34.41	23.74	10.67
	8/22/2007	34.41	27.74	6.67
	11/6/2007	34.41	28.75	5.66
	2/11/2008	34.41	24.62	9.79
	5/12/2008	34.41	24.19	10.22
	8/4/2008	34.41	26.31	8.10
	11/14/2008	34.41	25.81	8.60
	2/16/2009	34.41	32.10	2.31
	5/27/2009	34.41	29.19	5.22
	8/18/2009	34.41	27.94	6.47
	12/7/2009	34.41	26.74	7.67
	3/15/2010	34.41	26.49	7.92
	6/1/2010	34.41	24.39	10.02
	8/30/2010	34.41	27.70	6.71
	11/29/2010	34.41	26.50	7.91
	3/30/2011	34.41	22.65	11.76
	5/31/2011	34.41	15.62	18.79
	9/14/2011	34.41	27.12	7.29
	12/12/2011	34.41	27.04	7.37
	7/2/2012	34.41	19.69	14.72
	9/26/2012	34.41	27.75	6.66
	12/3/2012	34.41	23.35	11.06
	3/22/2013	34.41	27.09	7.32
	6/17/2013	34.41	25.48	8.93
	9/9/2013	34.41	27.76	6.65
	12/10/2013	34.41	27.23	7.18

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-52 (continued)	3/24/2014	34.41	23.87	10.54
	6/11/2014	34.41	23.57	10.84
	9/19/2014	34.41	28.28	6.13
	12/17/2014	34.41	25.50	8.91
	3/9/2015	34.86	25.30	9.49
	6/25/2015	34.41	27.72	6.69
	9/14/2015	34.41	27.78	6.63
	12/14/2015	34.41	22.56	11.85
	3/21/2016	34.41	22.37	12.04
	6/20/2016	34.41	26.00	8.41
	9/27/2016	34.41	28.23	6.18
	9/29/2016	34.41	28.10	6.31
	12/5/2016	34.41	24.85	9.56
	3/22/2017	34.41	15.14	19.27
	6/26/2017	34.41	19.98	14.43
	9/19/2017	34.41	27.09	7.32
	12/11/2017	34.41	26.22	8.19
	3/14/2018	34.41	25.00	9.41
	6/25/2018	34.41	24.30	10.11
	9/4/2018	34.41	27.53	6.88
	12/17/2018	36.53	27.20	9.33
	3/4/2019	36.53	26.40	10.13
	6/18/2019	36.53	25.37	11.16
	9/9/2019	36.53	28.28	8.25
	12/9/2019	36.36	27.39	8.97
	3/16/2020	36.36	26.33	10.03
	6/8/2020	36.36	21.00	15.36
	9/8/2020	36.36	26.35	10.01
	11/30/2020	36.36	26.64	9.72
	3/8/2021	36.36	25.10	11.26
	6/7/2021	36.36	24.17	12.19
	9/20/2021	36.36	27.62	8.74
	11/29/2021	36.36	26.19	10.17
	2/28/2022	36.36	24.62	11.74
	6/20/2022	36.36	17.76	18.6
MW-53	11/27/2000	34.28	26.50	7.78
	2/9/2001	34.28	25.11	9.17
	5/15/2001	34.28	25.14	9.14
	8/7/2001	34.28	26.90	7.38
	12/5/2001	34.28	25.15	9.13
	4/9/2002	34.28	23.50	10.78
	7/29/2002	34.28	24.30	9.98
	11/26/2002	34.28	27.83	6.45
	3/4/2003	34.28	25.07	9.21
	5/19/2003	34.28	23.25	11.03
	12/9/2003	34.28	24.58	9.70
	3/30/2004	34.28	23.30	10.98
	8/19/2004	34.28	25.26	9.02
	11/22/2004	34.28	25.58	8.70
	2/11/2005	34.28	27.31	6.97
	5/18/2005	34.28	23.73	10.55
	9/16/2005	34.28	26.33	7.95
	11/8/2005	34.28	25.07	9.21

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-53 (continued)	3/16/2006	34.28	22.78	11.50
	6/2/2006	34.28	18.74	15.54
	8/7/2006	34.28	24.67	9.61
	11/17/2006	34.28	26.96	7.32
	2/15/2007	34.28	23.11	11.17
	5/22/2007	34.28	21.39	12.89
	8/22/2007	34.28	24.90	9.38
	11/6/2007	34.28	25.76	8.52
	2/11/2008	34.28	21.86	12.42
	5/12/2008	34.28	21.80	12.48
	8/4/2008	34.28	23.53	10.75
	11/14/2008	34.28	24.51	9.77
	2/16/2009	34.28	27.41	6.87
	5/27/2009	34.28	20.70	13.58
	8/18/2009	34.28	22.80	11.48
	12/7/2009	34.28	24.29	9.99
	3/15/2010	34.28	23.93	10.35
	6/1/2010	34.28	23.15	11.13
	8/30/2010	34.28	23.69	10.59
	11/29/2010	34.28	23.29	10.99
	3/30/2011	34.28	21.48	12.80
	5/31/2011	34.28	16.98	17.30
	9/14/2011	34.28	19.62	14.66
	12/12/2011	34.28	23.98	10.30
	7/2/2012	34.28	19.33	14.95
	9/26/2012	34.28	21.28	13.00
	12/3/2012	34.28	20.90	13.38
	3/22/2013	34.28	22.71	11.57
	6/17/2013	34.28	21.90	12.38
	9/9/2013	34.28	23.32	10.96
	12/10/2013	34.28	24.06	10.22
	3/24/2014	34.28	21.74	12.54
	6/11/2014	34.28	20.74	13.54
	9/19/2014	34.28	23.02	11.26
	12/17/2014	34.28	22.97	11.31
	3/9/2015	34.86	27.25	9.49
	6/25/2015	34.28	22.95	11.33
	9/14/2015	34.28	24.10	10.18
	12/14/2015	34.28	21.85	12.43

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-53 (continued)	3/21/2016	34.28	20.85	13.43
	6/20/2016	34.28	22.14	12.14
	9/27/2016	34.28	24.22	10.06
	9/29/2016	34.28	25.05	9.23
	12/5/2016	34.28	23.58	10.70
	3/22/2017	34.28	16.67	17.61
	6/26/2017	34.28	16.74	17.54
	9/19/2017	34.28	28.40	5.88
	12/11/2017	34.28	21.54	12.74
	3/14/2018	34.28	23.25	11.03
	6/25/2018	34.28	21.08	13.2
	9/4/2018	34.28	23.45	10.83
	12/17/2018	36.40	24.89	11.51
	3/4/2019	36.40	25.06	11.34
	6/18/2019	36.40	23.19	13.21
	9/9/2019	36.40	24.48	11.92
	12/9/2019	36.40	25.59	10.81
	3/16/2020	36.40	23.42	12.98
	6/9/2020	36.40	19.62	16.78
	9/8/2020	36.40	22.71	13.69
	11/30/2020	36.40	24.37	12.03
	3/8/2021	36.40	23.56	12.84
	6/7/2021	36.40	23.60	12.80
	9/20/2021	36.40	26.16	10.24
	11/29/2021	36.40	24.50	11.90
	2/28/2022	NS	NM	NS
	6/20/2022	NS	16.65	NS
WEX-60	12/5/2001	35.18	24.77	10.41
	4/9/2002	35.18	26.18	9.00
	7/29/2002	35.18	26.00	9.18
	11/26/2002	35.18	27.81	7.37
	3/4/2003	35.18	26.50	8.68
	5/19/2003	35.18	23.54	11.64
	12/9/2003	35.18	25.92	9.26
	3/30/2004	35.18	25.98	9.20
	11/22/2004	35.18	35.78	-0.60
	2/11/2005	35.18	37.38	-2.20
	5/18/2005	35.18	35.64	-0.46
	9/16/2005	35.18	39.08	-3.90
	11/8/2005	35.18	31.11	4.07
	1/16/2006	35.18	23.25	11.93
	2/20/2006	35.18	34.56	0.62
	3/16/2006	35.18	25.11	10.07
	6/2/2006	35.18	34.30	0.88
	8/7/2006	35.18	38.98	-3.80
	11/17/2006	35.18	32.36	2.82
	2/15/2007	35.18	34.67	0.51
	5/22/2007	35.18	33.18	2.00
	8/22/2007	35.18	33.74	1.44
	11/6/2007	35.18	35.12	0.06
	2/11/2008	35.18	33.64	1.54
	5/12/2008	35.18	33.87	1.31
	8/4/2008	35.18	35.17	0.01
	11/14/2008	35.18	34.01	1.17

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
WEX-60 (continued)	3/15/2010	35.18	32.26	2.92
	6/1/2010	35.18	30.29	4.89
	8/30/2010	35.18	34.50	0.68
	11/29/2010	35.18	33.37	1.81
	3/30/2011	35.18	33.80	1.38
	5/31/2011	35.18	33.00	2.18
	9/14/2011	35.18	39.14	-3.96
	12/12/2011	35.18	38.75	-3.57
	7/2/2012	35.18	39.39	-4.21
	9/26/2012	35.18	38.84	-3.66
	12/3/2012	35.18	39.30	-4.12
	3/22/2013	35.18	40.01	-4.83
	6/17/2013	35.18	40.22	-5.04
	12/12/2013	35.18	39.29	-4.11
	9/9/2013	35.18	39.20	-4.02
	3/24/2014	35.18	39.29	-4.11
	6/11/2014	35.18	NM	NM
	12/17/2014	35.18	NM	NM
	12/23/2015	34.80	17.61	17.19
	3/21/2016	34.80	22.41	12.39
	6/20/2016	34.80	NM	NM
	9/27/2016	34.80	NM	NM
	9/29/2016	34.80	NM	NM
	12/5/2016	34.80	21.19	13.61
	3/22/2017	34.80	15.48	19.32
	6/26/2017	34.80	24.39	13.41
	9/19/2017	34.80	NM	NM
	12/11/2017	34.80	NM	NM
	3/14/2018	34.80	NM	NM
	6/25/2018	34.80	NM	NM
	9/4/2018	34.80	NM	NM
	12/17/2018	36.91	NM	NM
	3/4/2019	36.91	NM	NM
	6/18/2019	36.91	NM	NM
	9/9/2019	36.91	NM	NM
	12/9/2019	36.91	NM	NM
	3/16/2020	36.91	NM	NM
	6/8/2020	36.91	NM	NM
	9/8/2020	36.91	NM	NM
	11/30/2020	37.91	NM	NM
	3/8/2021	36.91	NM	NM
	6/7/2021	36.91	NM	NM
	9/20/2021	36.91	NM	NM
	11/29/2021	36.91	NM	NM
	2/28/2022	36.91	NM	NM
	6/20/2022	36.91	NM	NM
MW-62	12/5/2001	35.39	24.86	10.53
	4/9/2002	35.39	26.24	9.15
	7/29/2002	35.39	25.97	9.42
	11/26/2002	35.39	27.82	7.57
	3/4/2003	35.39	26.08	9.31
	5/19/2003	35.39	23.73	11.66

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-62 (continued)	12/9/2003	35.39	26.08	9.31
	3/30/2004	35.39	26.01	9.38
	11/22/2004	35.39	29.96	5.43
	2/11/2005	35.39	29.14	6.25
	5/18/2005	35.39	27.19	8.20
	9/16/2005	35.39	30.80	4.59
	11/8/2005	35.39	28.09	7.30
	1/16/2006	35.39	20.42	14.97
	3/16/2006	35.39	25.59	9.80
	6/2/2006	35.39	23.46	11.93
	8/7/2006	35.39	29.74	5.65
	11/17/2006	35.39	26.75	8.64
	2/15/2007	35.39	28.25	7.14
	5/22/2007	35.39	25.85	9.54
	8/22/2007	35.39	29.30	6.09
	11/6/2007	35.39	30.55	4.84
	2/11/2008	35.39	24.54	10.85
	5/12/2008	35.39	26.25	9.14
	8/4/2008	35.39	28.14	7.25
	11/14/2008	35.39	28.18	7.21
	3/15/2010	35.39	28.06	7.33
	6/1/2010	35.39	25.92	9.47
	8/30/2010	35.39	29.03	6.36
	11/29/2010	35.39	27.79	7.60
	3/30/2011	35.39	24.06	11.33
	5/31/2011	35.39	17.80	17.59
	9/14/2011	35.39	28.66	6.73
	12/12/2011	35.39	28.63	6.76
	7/2/2012	35.39	21.60	13.79
	9/26/2012	35.39	28.82	6.57
	12/3/2012	35.39	25.40	9.99
	3/22/2013	35.39	28.32	7.07
	6/17/2013	35.39	26.60	8.79
	9/9/2013	35.39	29.10	6.29
	12/12/2013	35.39	28.78	6.61
	3/24/2014	35.39	28.78	6.61
	6/11/2014	35.39	NM	NM
	12/17/2014	35.39	NM	NM
	6/25/2015	35.39	NM	NM
	12/23/2015	35.05	22.20	12.85
	3/21/2016	35.05	22.63	12.42
	6/20/2016	35.05	26.29	8.76
	9/27/2016	35.05	28.62	6.43
	9/29/2016	35.05	28.54	6.51
	12/5/2016	35.05	24.85	10.20

Please refer to notes at end of table.

Table D-1

Historical Groundwater Elevations - Area 1

Gunderson LLC

Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-62 (continued)	3/22/2017	35.05	15.81	19.24
	6/26/2017	35.05	21.58	13.47
	9/19/2017	35.05	27.65	7.40
	12/11/2017	35.05	26.40	8.65
	3/14/2018	35.05	25.31	9.74
	6/25/2018	35.05	24.99	10.06
	9/4/2018	35.05	28.13	6.92
	12/17/2018	37.16	27.90	9.26
	3/4/2019	37.16	26.96	10.20
	6/18/2019	37.16	25.47	11.69
	9/9/2019	37.16	28.49	8.67
	12/9/2019	37.16	28.22	8.94
	3/16/2020	37.16	26.77	10.39
	6/8/2020	37.16	21.74	15.42
	9/8/2020	37.16	27.87	9.29
	11/30/2020	37.16	27.04	10.12
	3/8/2021	37.16	25.60	11.56
	6/7/2021	37.16	25.19	11.97
	9/20/2021	37.16	28.32	8.84
	11/29/2021	37.16	26.82	10.34
	2/28/2022	37.16	26.05	11.11
	6/20/2022	37.16	17.85	19.31
MW-70	11/22/2004	35.56	28.00	7.56
	2/11/2005	35.56	26.84	8.72
	5/18/2005	35.56	24.94	10.62
	9/16/2005	35.56	28.92	6.64
	1/16/2006	35.56	19.35	16.21
	2/20/2006	35.56	25.01	10.55
	3/16/2006	35.56	25.31	10.25
	6/2/2006	35.56	20.70	14.86
	8/7/2006	35.56	27.49	8.07
	11/17/2006	35.56	25.07	10.49
	2/15/2007	35.56	26.98	8.58
	5/22/2007	35.56	24.24	11.32
	8/22/2007	35.56	28.33	7.23
	11/6/2007	35.56	29.48	6.08
	2/11/2008	35.56	23.71	11.85
	5/12/2008	35.56	24.67	10.89
	8/4/2008	35.56	26.27	9.29
	11/14/2008	35.56	26.50	9.06
	2/16/2009	35.56	27.15	8.41
	5/27/2009	35.56	24.03	11.53
	8/18/2009	35.56	29.52	6.04
	12/8/2009	35.56	28.55	7.01
	3/15/2010	35.56	27.05	8.51
	6/1/2010	35.56	24.69	10.87
	8/30/2010	35.56	27.39	8.17
	11/29/2010	35.56	28.28	7.28
	3/30/2011	35.56	22.84	12.72
	5/31/2011	35.56	16.65	18.91
	9/14/2011	35.56	27.35	8.21
	12/12/2011	35.56	27.02	8.54

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-70 (continued)	7/2/2012	35.56	20.06	15.50
	9/26/2012	35.56	28.36	7.20
	12/3/2012	35.56	24.42	11.14
	3/22/2013	35.56	26.61	8.95
	6/17/2013	35.56	25.45	10.11
	9/9/2013	35.56	27.17	8.39
	12/10/2013	35.56	27.80	7.76
	3/24/2014	35.56	24.09	11.47
	6/11/2014	35.56	23.68	11.88
	9/19/2014	35.56	28.98	6.58
	12/17/2014	35.56	26.38	9.18
	3/9/2015	34.86	26.10	9.49
	6/25/2015	35.56	28.48	7.08
	9/14/2015	35.56	28.65	6.91
	12/14/2015	35.56	22.65	12.91
	3/21/2016	35.56	22.83	12.73
	6/20/2016	35.56	26.72	8.84
	9/27/2016	35.56	29.05	6.51
	9/29/2016	35.56	28.85	6.71
	12/5/2016	35.56	25.69	9.87
	3/22/2017	35.56	16.34	19.22
	6/26/2017	35.56	21.81	13.75
	9/19/2017	35.56	27.81	7.75
	12/11/2017	35.56	27.02	8.54
	3/14/2018	35.56	25.67	9.89
	6/25/2018	35.56	25.3	10.26
	9/4/2018	35.56	28.80	6.76
	12/17/2018	37.66	28.16	9.50
	3/4/2019	37.66	27.54	10.12
	6/18/2019	37.66	25.89	11.77
	9/9/2019	37.66	29.19	8.47
	12/9/2019	37.66	28.68	8.98
	3/16/2020	37.66	27.51	10.15
	6/8/2020	37.66	22.29	15.37
	9/8/2020	37.66	28.54	9.12
	11/30/2020	37.66	27.62	10.04
	3/8/2021	37.66	25.98	11.68
	6/7/2021	37.66	25.28	12.38
	9/20/2021	37.66	28.82	8.84
	11/29/2021	37.66	27.22	10.44
	2/28/2022	37.66	26.38	11.28
	6/20/2022	37.66	18.39	19.27
MW-71	11/22/2004	36.36	26.50	9.86
	2/11/2005	36.36	27.67	8.69
	5/18/2005	36.36	25.72	10.64
	9/16/2005	36.36	29.91	6.45
	11/8/2005	36.36	27.94	8.42
	1/16/2006	36.36	20.19	16.17
	2/20/2006	36.36	26.85	9.51
	3/16/2006	36.36	26.25	10.11
	6/2/2006	36.36	22.12	14.24
	8/7/2006	36.36	28.68	7.68
	11/17/2006	36.36	26.14	10.22

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-71 (continued)	2/15/2007	36.36	27.91	8.45
	5/22/2007	36.36	25.18	11.18
	8/22/2007	36.36	29.30	7.06
	11/6/2007	36.36	32.43	3.93
	2/11/2008	36.36	23.90	12.46
	5/12/2008	36.36	25.52	10.84
	8/4/2008	36.36	27.73	8.63
	11/14/2008	36.36	27.34	9.02
	2/16/2009	36.36	27.89	8.47
	5/27/2009	36.36	23.35	13.01
	8/18/2009	36.36	29.45	6.91
	12/7/2009	36.36	28.36	8.00
	3/15/2010	36.36	27.96	8.40
	6/1/2010	36.36	25.90	10.46
	8/30/2010	36.36	29.28	7.08
	11/29/2010	36.36	27.93	8.43
	3/30/2011	36.36	23.80	12.56
	5/31/2011	36.36	17.28	19.08
	9/14/2011	36.36	28.36	8.00
	12/12/2011	36.36	28.32	8.04
	7/2/2012	36.36	20.92	15.44
	9/26/2012	36.36	29.19	7.17
	12/3/2012	36.36	24.72	11.64
	3/22/2013	36.36	28.40	7.96
	6/17/2013	36.36	26.63	9.73
	9/9/2013	36.36	29.21	7.15
	12/10/2013	36.36	28.70	7.66
	3/24/2014	36.36	25.09	11.27
	6/11/2014	36.36	24.77	11.59
	9/19/2014	36.36	NM	--
	12/17/2014	36.36	NM	--
	3/9/2015	34.86	26.50	9.49
	6/25/2015	36.36	NM	--
	9/14/2015	36.36	29.61	6.75
	12/14/2015	36.36	23.28	13.08
	3/21/2016	36.36	23.79	12.57
	6/20/2016	36.36	27.67	8.69
	9/27/2016	36.36	30.02	6.34
	9/29/2016	36.36	29.34	7.02
	12/5/2016	36.36	26.61	9.75

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-71 (continued)	3/22/2017	36.36	17.02	19.34
	6/26/2017	36.36	22.83	13.53
	9/19/2017	36.36	28.72	7.64
	12/11/2017	36.36	27.94	8.42
	3/14/2018	36.36	26.60	9.76
	6/25/2018	36.36	26.25	10.11
	9/4/2018	36.36	29.94	6.42
	12/17/2018	38.47	29.00	9.47
	3/4/2019	38.47	28.64	9.83
	6/18/2019	38.47	26.81	11.66
	9/9/2019	38.47	30.24	8.23
	12/9/2019	38.47	29.51	8.96
	3/16/2020	38.47	28.49	9.98
	6/8/2020	38.47	23.03	15.44
	9/8/2020	38.47	29.53	8.94
	11/30/2020	38.47	28.41	10.06
	3/8/2021	38.47	26.92	11.55
	6/7/2021	38.47	26.09	12.38
	9/20/2021	38.47	29.73	8.74
	11/29/2021	38.47	28.11	10.36
	2/28/2022	38.47	27.48	10.99
	6/20/2022	38.47	19.17	19.30
MW-90	7/2/2019	36.57	25.89	10.68
	9/9/2019	36.57	27.28	9.29
	12/9/2019	36.57	27.08	9.49
	3/16/2020	36.57	25.47	11.10
	6/8/2020	36.57	21.42	15.15
	9/8/2020	36.57	26.77	9.80
	11/30/2020	36.57	25.92	10.65
	3/8/2021	36.57	NM	NM
	6/7/2021	36.57	24.27	12.30
	9/20/2021	36.57	27.23	9.34
	11/29/2021	36.57	25.60	10.97
	2/28/2022	36.57	24.63	11.94
	6/20/2022	36.57	17.75	18.82
MW-91	7/2/2019	36.27	25.99	10.28
	9/9/2019	36.27	28.19	8.08
	12/9/2019	36.27	27.47	8.80
	3/16/2020	36.27	26.27	10.00
	6/8/2020	36.27	20.86	15.41
	9/8/2020	36.27	27.62	8.65
	11/30/2020	36.27	26.41	9.86
	3/8/2021	36.27	25.32	10.95
	6/7/2021	36.27	23.89	12.38
	9/20/2021	36.27	27.68	8.59
	11/29/2021	36.27	26.11	10.16
	2/28/2022	36.27	NM	NM
	6/20/2022	36.27	17.43	18.84

Please refer to notes at end of table.

Table D-1
Historical Groundwater Elevations - Area 1
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-103	1/29/2021	39.53	27.90	11.63
	3/8/2021	39.53	26.88	12.65
	6/7/2021	39.53	27.35	12.18
	9/20/2021	39.53	30.95	8.58
	11/29/2021	39.53	29.76	9.77
	2/28/2022	39.53	29.19	10.34
	6/20/2022	39.53	20.50	19.03
	9/21/2022	39.53	31.10	8.43

Notes:

feet BTOC = feet below top of casing.

NM = not measured.

-- = not available.

TOC elevations for wells in the groundwater monitoring program were re-surveyed on December 17, 2018. Listed elevations in NAVD88 datum.

TOC elevations for wells installed in June 2019 were surveyed on July 2, 2019. Listed elevation in NAVD88 datum.

NS = Not surveyed. Wells MW-24 and MW-53 were repaired in August 2021 and have not yet been re-surveyed.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-15	7/22/1991	32.38	23.19	9.19
	4/2/1992	32.38	23.85	8.53
	7/20/1994	32.38	24.09	8.29
	10/25/1994	32.38	25.58	6.80
	2/17/1995	32.38	20.60	11.78
	4/18/1995	32.38	21.37	11.01
	7/25/1995	32.38	22.81	9.57
	10/19/1995	32.38	24.75	7.63
	1/22/1996	32.38	15.41	16.97
	4/23/1996	32.38	15.67	16.71
	8/2/1996	32.38	21.10	11.28
	11/5/1996	32.38	24.21	8.17
	1/23/1997	32.38	16.46	15.92
	4/16/1997	32.38	18.79	13.59
	7/15/1997	32.38	18.45	13.93
	11/3/1997	32.38	22.04	10.34
	2/5/1998	32.38	20.29	12.09
	9/16/1998	32.38	24.41	7.97
	8/18/1999	32.38	21.98	10.40
	12/21/1999	32.38	18.80	13.58
	10/25/2000	32.38	24.83	7.55
	2/9/2001	32.38	24.20	8.18
	5/15/2001	32.38	24.76	7.62
	8/7/2001	32.38	25.64	6.74
	12/5/2001	32.38	22.70	9.68
	4/9/2002	32.38	23.34	9.04
	7/29/2002	32.38	23.10	9.28
	11/26/2002	32.38	25.17	7.21
	3/4/2003	32.38	23.40	8.98
	5/19/2003	32.38	21.09	11.29
	12/9/2003	32.38	23.36	9.02
	3/30/2004	32.38	23.44	8.94
	8/19/2004	32.38	24.37	8.01
	11/22/2004	32.38	24.80	7.58
	2/11/2005	32.38	23.35	9.03
	5/18/2005	32.38	21.68	10.70
	9/16/2005	32.38	25.33	7.05
	11/8/2005	32.38	24.18	8.20
	1/10/2006	32.38	19.40	12.98
	3/1/2006	32.38	21.24	11.14
	3/16/2006	32.38	21.68	10.70
	6/2/2006	32.38	17.67	14.71

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-15 (continued)	11/17/2006	32.38	22.30	10.08
	2/15/2007	32.38	23.38	9.00
	5/22/2007	32.38	20.76	11.62
	8/22/2007	32.38	24.49	7.89
	11/6/2007	32.38	25.50	6.88
	2/11/2008	32.38	22.02	10.36
	5/12/2008	32.38	21.10	11.28
	8/4/2008	32.38	22.97	9.41
	11/14/2008	32.38	23.49	8.89
	2/16/2009	32.38	23.54	8.84
	5/27/2009	32.38	18.50	13.88
	8/18/2009	32.38	24.65	7.73
	12/7/2009	32.38	23.98	8.40
MW-17	7/22/1991	34.87	24.63	10.24
	4/2/1992	34.87	25.73	9.14
	6/12/1992	34.87	25.37	9.50
	7/20/1994	34.87	26.24	8.63
	10/25/1994	34.87	27.69	7.18
	2/17/1995	34.87	23.55	11.32
	4/18/1995	34.87	24.12	10.75
	7/25/1995	34.87	25.11	9.76
	10/19/1995	34.87	26.90	7.97
	1/22/1996	34.87	18.25	16.62
	4/23/1996	34.87	18.80	16.07
	8/2/1996	34.87	23.91	10.96
	11/5/1996	34.87	26.19	8.68
	1/23/1997	34.87	18.60	16.27
	4/16/1997	34.87	21.98	12.89
	7/15/1997	34.87	21.99	12.88
	11/3/1997	34.87	24.71	10.16
	2/5/1998	34.87	23.20	11.67
	9/16/1998	34.87	26.27	8.60
	12/30/1998	34.87	21.24	13.63
	5/24/1999	34.87	21.89	12.98
	8/18/1999	34.87	24.51	10.36
	12/21/1999	34.87	21.66	13.21
	4/25/2000	34.87	21.37	13.50
	2/9/2001	34.87	26.52	8.35
	5/15/2001	34.87	26.93	7.94
	8/7/2001	34.87	27.65	7.22
	12/5/2001	34.87	25.47	9.40

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-17 (continued)	4/9/2002	34.87	25.43	9.44
	7/29/2002	34.87	25.23	9.64
	11/26/2002	34.87	27.10	7.77
	3/4/2003	34.87	25.68	9.19
	5/19/2003	34.87	23.83	11.04
	12/9/2003	34.87	27.95	6.92
	3/30/2004	34.87	25.46	9.41
	8/19/2004	34.87	26.43	8.44
	11/22/2004	34.87	26.97	7.90
	2/11/2005	34.87	25.90	8.97
	5/18/2005	34.87	24.40	10.47
	9/16/2005	34.87	27.35	7.52
	11/8/2005	34.87	26.40	8.47
	1/10/2006	34.87	22.14	12.73
	3/1/2006	34.87	23.45	11.42
	3/16/2006	34.87	23.68	11.19
	6/2/2006	34.87	20.00	14.87
	8/7/2006	34.87	25.35	9.52
	11/17/2006	34.87	24.74	10.13
	2/15/2007	34.87	25.16	9.71
	5/22/2007	34.87	23.55	11.32
	8/22/2007	34.87	26.36	8.51
	11/6/2007	34.87	27.43	7.44
	2/11/2008	34.87	24.64	10.23
	5/12/2008	34.87	23.83	11.04
	8/4/2008	34.87	25.03	9.84
	11/14/2008	34.87	25.79	9.08
	2/16/2009	34.87	25.69	9.18
	5/27/2009	34.87	21.92	12.95
	8/18/2009	34.87	26.51	8.36
	12/7/2009	34.87	26.26	8.61
	3/15/2010	34.87	25.76	9.11
	6/1/2010	34.87	24.05	10.82
	8/30/2010	34.87	26.10	8.77
	11/29/2010	34.87	25.44	9.43
	3/30/2011	34.87	22.69	12.18
	5/31/2011	34.87	16.49	18.38
	9/14/2011	34.87	27.18	7.69
	12/12/2011	34.87	25.86	9.01
	7/2/2012	34.87	20.28	14.59
	9/26/2012	34.87	26.31	8.56
	12/3/2012	34.87	23.70	11.17

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-17 (continued)	6/17/2013	34.87	24.44	10.43
	12/10/2013	34.87	25.96	8.91
	6/11/2014	34.87	22.94	11.93
	12/17/2014	34.87	25.16	9.71
	6/20/2016	34.87	24.82	10.05
	12/5/2016	34.87	24.61	10.26
	6/26/2017	34.87	20.93	13.94
	12/11/2017	34.87	25.23	9.64
	6/25/2018	34.87	23.65	11.22
	12/17/2018	36.95	26.35	10.60
	3/4/2019	36.95	25.79	11.16
	6/18/2019	36.95	24.41	12.54
	9/9/2019	36.95	26.50	10.45
	12/9/2019	36.95	26.88	10.07
	3/16/2020	36.95	25.44	11.51
	6/8/2020	36.95	21.19	15.76
	9/8/2020	36.95	26.52	10.43
	11/30/2020	36.95	26.02	10.93
	3/8/2021	36.95	24.44	12.51
	6/7/2021	36.95	23.91	13.04
	9/20/2021	36.95	27.05	9.90
	11/29/2021	36.95	25.76	11.19
	2/28/2022	36.95	24.66	12.29
	6/20/2022	36.95	17.21	19.74
MW-23	7/22/1991	35.99	26.90	9.09
	4/2/1992	35.99	27.57	8.42
	6/12/1992	35.99	26.56	9.43
	7/20/1994	35.99	27.65	8.34
	10/25/1994	35.99	29.10	6.89
	2/17/1995	35.99	23.88	12.11
	4/18/1995	35.99	24.71	11.28
	7/25/1995	35.99	26.68	9.31
	10/19/1995	35.99	27.32	8.67
	1/22/1996	35.99	11.20	24.79
	4/23/1996	35.99	19.35	16.64
	8/2/1996	35.99	25.10	10.89
	11/5/1996	35.99	27.99	8.00
	1/23/1997	35.99	19.34	16.65
	4/16/1997	35.99	22.65	13.34
	7/15/1997	35.99	22.74	13.25
	11/3/1997	35.99	25.52	10.47
	2/5/1998	35.99	22.95	13.04
	9/16/1998	35.99	27.99	8.00
	12/30/1998	35.99	20.74	15.25
	5/24/1999	35.99	22.47	13.52
	8/18/1999	35.99	26.82	9.17
	12/21/1999	35.99	21.81	14.18
	7/29/2002	35.99	26.60	9.39
	11/26/2002	35.99	28.30	7.69

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-23 (continued)	3/4/2003	35.99	26.39	9.60
	5/19/2003	35.99	24.14	11.85
	12/9/2003	35.99	26.35	9.64
	3/30/2004	35.99	26.37	9.62
	8/19/2004	35.99	27.69	8.30
	11/22/2004	35.99	28.16	7.83
	2/11/2005	35.99	26.65	9.34
	5/18/2005	35.99	24.74	11.25
	9/16/2005	35.99	14.36	21.63
	11/8/2005	35.99	26.85	9.14
	1/10/2006	35.99	12.02	23.97
	3/16/2006	35.99	25.01	10.98
	6/2/2006	35.99	21.54	14.45
	8/7/2006	35.99	27.34	8.65
	11/17/2006	35.99	24.97	11.02
	2/15/2007	35.99	26.79	9.20
	2/16/2009	35.99	26.92	9.07
	8/18/2009	35.99	28.41	7.58
	3/15/2010	35.99	26.86	9.13
	6/1/2010	35.99	24.89	11.10
	8/30/2010	35.99	28.03	7.96
	11/29/2010	35.99	26.54	9.45
	3/30/2011	35.99	22.30	13.69
	5/31/2011	35.99	14.65	21.34
	9/14/2011	35.99	27.12	8.87
	12/12/2011	35.99	27.09	8.90
	7/2/2012	35.99	19.94	16.05
	9/26/2012	35.99	NM	--
	12/3/2012	35.99	23.32	12.67
	6/17/2013	35.99	25.17	10.82
	12/10/2013	35.99	27.25	8.74
	6/11/2014	35.99	23.31	12.68
	12/17/2014	35.99	NM	--
	6/20/2016	35.99	26.25	9.74
	12/5/2016	35.99	25.10	10.89
	6/26/2017	35.99	22.12	13.87
	12/11/2017	35.99	26.30	9.69
	6/25/2018	35.99	18.74	17.25
	12/17/2018	36.89	21.71	15.18
	3/4/2019	36.89	18.96	17.93
	6/18/2019	36.89	NM	NM
	9/9/2019	36.89	22.31	14.58
	12/9/2019	36.89	22.81	14.08
	3/16/2020	36.89	19.54	17.35
	6/8/2020	36.89	18.66	18.23
	9/8/2020	36.89	23.99	12.9
	11/30/2020	36.89	21.04	15.85
	3/8/2021	36.89	17.57	19.32
	6/7/2021	36.89	19.77	17.12
	9/20/2021	36.89	22.60	14.29
	11/29/2021	36.89	19.57	17.32
	2/28/2022	36.89	18.81	18.08
	6/20/2022	36.89	15.31	21.58

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-24	7/22/1991	32.23	12.65	19.58
	4/2/1992	32.23	12.79	19.44
	6/12/1992	32.23	13.22	19.01
	7/20/1994	32.23	13.81	18.42
	10/25/1994	32.23	14.75	17.48
	2/17/1995	32.23	12.05	20.18
	4/18/1995	32.23	11.51	20.72
	7/25/1995	32.23	12.44	19.79
	10/19/1995	32.23	13.26	18.97
	4/23/1996	32.23	9.38	22.85
	8/2/1996	32.23	11.21	21.02
	11/5/1996	32.23	12.93	19.30
	1/23/1997	32.23	8.36	23.87
	4/16/1997	32.23	9.68	22.55
	7/15/1997	32.23	10.52	21.71
	11/3/1997	32.23	12.61	19.62
	2/5/1998	32.23	11.45	20.78
	9/16/1998	32.23	13.25	18.98
	12/30/1998	32.23	11.63	20.60
	5/24/1999	32.23	10.48	21.75
	8/18/1999	32.23	12.14	20.09
	12/21/1999	32.23	12.24	19.99
	4/25/2000	32.23	11.60	20.63
	10/25/2000	32.23	14.20	18.03
	2/9/2001	32.23	14.01	18.22
	5/15/2001	32.23	14.21	18.02
	8/7/2001	32.23	14.75	17.48
	12/5/2001	32.23	14.32	17.91
	4/9/2002	32.23	11.92	20.31
	7/29/2002	32.23	12.83	19.40
	11/26/2002	32.23	14.45	17.78
	3/4/2003	32.23	12.63	19.60
	5/19/2003	32.23	12.11	20.12
	12/9/2003	32.23	13.84	18.39
	3/30/2004	32.23	12.24	19.99
	8/19/2004	32.23	13.86	18.37
	11/22/2004	32.23	14.20	18.03
	2/11/2005	32.23	13.74	18.49
	5/18/2005	32.23	13.20	19.03
	3/16/2006	32.23	10.98	21.25
	6/2/2006	32.23	10.84	21.39
	8/7/2006	32.23	12.85	19.38
	11/17/2006	32.23	13.16	19.07

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-24 (continued)	2/15/2007	32.23	12.06	20.17
	5/22/2007	32.23	11.65	20.58
	8/22/2007	32.23	13.43	18.80
	11/6/2007	32.23	14.04	18.19
	2/11/2008	32.23	12.22	20.01
	5/12/2008	32.23	12.03	20.20
	8/4/2008	32.23	12.56	19.67
	11/14/2008	32.23	13.82	18.41
	2/16/2009	32.23	13.02	19.21
	8/18/2009	32.23	13.20	19.03
	12/7/2009	32.23	13.60	18.63
	3/15/2010	32.23	13.02	19.21
	6/1/2010	32.23	11.88	20.35
	8/30/2010	32.23	12.59	19.64
	11/29/2010	32.23	12.36	19.87
	3/30/2011	32.23	9.96	22.27
	5/31/2011	32.23	8.65	23.58
	9/14/2011	32.23	12.19	20.04
	12/12/2011	32.23	12.51	19.72
	7/2/2013	32.23	9.82	22.41
	9/26/2012	32.23	12.70	19.53
	12/3/2012	32.23	11.79	20.44
	6/20/2016	32.23	11.95	20.28
	12/5/2016	32.23	11.99	20.24
	6/26/2017	32.23	9.59	22.64
	12/11/2017	32.23	11.33	20.9
	6/25/2018	32.23	11.32	20.91
	12/17/2018	34.18	13.39	20.79
	3/4/2019	34.18	7.68	26.5
	6/18/2019	34.18	12.01	22.17
	9/9/2019	34.18	13.39	20.79
	12/9/2019	34.18	13.89	20.29
	3/16/2020	34.18	11.92	22.26
	6/8/2020	34.18	11.89	22.29
	9/8/2020	34.18	13.48	20.7
	11/30/2020	34.18	13.48	20.7
	3/8/2021	34.18	10.45	23.73
	6/7/2021	34.18	12.10	22.08
	9/20/2021	34.18	13.86	20.32
	11/29/2021	34.18	12.70	21.48
	2/28/2022	NS	11.37	NS
	6/20/2022	NS	9.92	NS
MW-31	4/2/1992	35.04	25.20	9.84
	6/12/1992	35.04	25.03	10.01
	7/20/1994	35.04	26.04	9.00
	2/17/1995	35.04	23.38	11.66
	4/18/1995	35.04	23.80	11.24
	7/25/1995	35.04	24.70	10.34
	10/19/1995	35.04	26.50	8.54
	1/22/1996	35.04	18.29	16.75
	4/23/1996	35.04	18.60	16.44
	8/2/1996	35.04	23.43	11.61

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-31 (continued)	11/5/1996	35.04	25.80	9.24
	1/23/1997	35.04	18.67	16.37
	4/16/1997	35.04	21.63	13.41
	7/15/1997	35.04	21.65	13.39
	11/3/1997	35.04	24.46	10.58
	2/5/1998	35.04	23.00	12.04
	9/16/1998	35.04	25.89	9.15
	12/30/1998	35.04	21.64	13.40
	5/24/1999	35.04	21.73	13.31
	8/18/1999	35.04	24.17	10.87
	12/21/1999	35.04	21.92	13.12
	4/25/2000	35.04	21.29	13.75
	2/9/2001	35.04	26.71	8.33
	5/15/2001	35.04	26.78	8.26
	8/7/2001	35.04	27.78	7.26
	12/5/2001	35.04	25.26	9.78
	4/9/2002	35.04	25.11	9.93
	7/29/2002	35.04	24.90	10.14
	11/26/2002	35.04	26.89	8.15
	3/4/2003	35.04	25.50	9.54
	12/9/2003	35.04	25.82	9.22
	3/30/2004	35.04	25.13	9.91
	8/19/2004	35.04	26.20	8.84
	11/22/2004	35.04	26.76	8.28
	2/11/2005	35.04	27.80	7.24
	5/18/2005	35.04	24.49	10.55
	9/16/2005	35.04	27.03	8.01
	11/8/2005	35.04	26.35	8.69
	3/1/2006	35.04	23.20	11.84
	3/16/2006	35.04	23.36	11.68
	6/2/2006	35.04	19.93	15.11
	8/7/2006	35.04	24.91	10.13
	2/15/2007	35.04	24.77	10.27
	5/22/2007	35.04	23.29	11.75
	8/22/2007	35.04	26.00	9.04
	11/6/2007	35.04	27.10	7.94
	2/11/2008	35.04	24.46	10.58
	5/12/2008	35.04	23.61	11.43
	8/4/2008	35.04	24.62	10.42
	11/14/2008	35.04	25.77	9.27

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-31 (continued)	2/16/2009	35.04	25.32	9.72
	5/27/2009	35.04	21.94	13.10
	8/18/2009	35.04	26.10	8.94
	12/7/2009	35.04	26.00	9.04
	1/21/2019	37.05	25.35	11.70
	3/4/2019	37.05	25.49	11.56
	6/18/2019	37.05	24.04	13.01
	9/9/2019	37.05	26.84	10.21
	12/9/2019	37.05	26.68	10.37
	3/16/2020	37.05	25.07	11.98
	6/8/2020	37.05	21.24	15.81
	9/8/2020	37.05	26.13	10.92
MW-35	1/23/1997	31.18	14.46	16.72
	4/16/1997	31.18	17.84	13.34
	7/15/1997	31.18	17.41	13.77
	11/3/1997	31.18	19.06	12.12
	2/5/1998	31.18	17.41	13.77
	9/16/1998	31.18	21.42	9.76
	12/30/1998	31.18	16.25	14.93
	5/24/1999	31.18	16.21	14.97
	8/18/1999	31.18	19.25	11.93
	12/21/1999	31.18	16.75	14.43
	4/25/2000	31.18	16.95	14.23
	10/25/2000	31.18	21.86	9.32
	2/9/2001	31.18	21.49	9.69
	5/15/2001	31.18	21.76	9.42
	8/7/2001	31.18	22.75	8.43
	12/5/2001	31.18	21.29	9.89
	4/9/2002	31.18	20.33	10.85
	7/29/2002	31.18	19.92	11.26
	11/26/2002	31.18	22.05	9.13
	3/4/2003	31.18	20.28	10.90
	5/19/2003	31.18	18.55	12.63
	12/9/2003	31.18	21.14	10.04
	3/30/2004	31.18	20.30	10.88
	8/19/2004	31.18	21.46	9.72
	11/22/2004	31.18	21.83	9.35
	2/11/2005	31.18	20.82	10.36
	5/18/2005	31.18	19.49	11.69
	9/16/2005	31.18	22.24	8.94
	11/8/2005	31.18	21.71	9.47
	3/16/2006	31.18	18.44	12.74
	6/2/2006	31.18	14.76	16.42
	8/7/2006	31.18	20.44	10.74
	11/17/2006	31.18	21.10	10.08

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-35 (continued)	2/15/2007	31.18	20.00	11.18
	5/22/2007	31.18	17.97	13.21
	8/22/2007	31.18	21.24	9.94
	11/6/2007	31.18	22.33	8.85
	2/11/2008	31.18	18.89	12.29
	5/12/2008	31.18	18.41	12.77
	8/4/2008	31.18	19.88	11.30
	11/14/2008	31.18	21.30	9.88
	2/16/2009	31.18	20.19	10.99
	5/27/2009	31.18	16.62	14.56
	8/18/2009	31.18	21.40	9.78
	12/7/2009	31.18	21.30	9.88
	3/15/2010	31.18	20.46	10.72
	6/1/2010	31.18	18.71	12.47
	8/30/2010	31.18	21.16	10.02
	11/29/2010	31.18	20.75	10.43
	3/30/2011	31.18	17.59	13.59
	5/31/2011	31.18	10.71	20.47
	9/14/2011	31.18	20.86	10.32
	12/12/2011	31.18	21.10	10.08
	7/2/2012	31.18	15.37	15.81
	9/26/2012	31.18	20.52	10.66
	12/4/2012	31.18	20.09	11.09
MW-66	9/16/2005	34.47	25.63	8.84
	11/8/2005	34.47	25.14	9.33
	3/1/2006	34.47	23.00	11.47
	3/16/2006	34.47	23.87	10.60
	6/2/2006	34.47	20.61	13.86
	8/7/2006	34.47	26.27	8.20
	11/17/2006	34.47	24.95	9.52
	2/15/2007	34.47	29.11	5.36
	5/22/2007	34.47	23.19	11.28
	8/22/2007	34.47	27.21	7.26
	11/6/2007	34.47	28.46	6.01
	2/11/2008	34.47	24.53	9.94
	5/12/2008	34.47	24.23	10.24
	8/4/2008	34.47	24.82	9.65
	11/14/2008	34.47	25.98	8.49

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-66 (continued)	2/16/2009	34.47	26.22	8.25
	5/27/2009	34.47	22.41	12.06
	8/18/2009	34.47	27.43	7.04
	12/7/2009	34.47	26.74	7.73
	3/15/2010	34.47	26.40	8.07
	6/1/2010	34.47	24.28	10.19
	8/30/2010	34.47	27.28	7.19
	11/29/2010	34.47	26.31	8.16
	3/30/2011	34.47	21.76	12.71
	5/31/2011	34.47	18.16	16.31
	9/14/2011	34.47	26.09	8.38
	12/12/2011	34.47	26.50	7.97
	7/2/2012	34.47	19.13	15.34
	9/28/2012	34.47	27.02	7.45
	12/3/2012	34.47	24.51	9.96
	6/17/2013	34.47	23.90	10.57
	12/10/2013	34.47	26.44	8.03
	6/11/2014	34.47	21.35	13.12
	12/17/2014	34.47	25.10	9.37
	6/20/2016	34.47	23.72	10.75
	12/5/2016	34.47	22.13	12.34
	6/26/2017	34.47	16.70	17.77
	12/11/2017	34.47	23.98	10.49
	6/25/2018	34.47	20.42	14.05
	12/17/2018	36.52	26.66	9.86
	3/4/2019	36.52	23.99	12.53
	6/18/2019	36.52	22.86	13.66
	9/9/2019	36.52	27.78	8.74
	12/9/2019	36.52	27.33	9.19
	3/16/2020	36.52	23.33	13.19
	6/8/2020	36.52	21.04	15.48
	9/8/2020	36.52	27.10	9.42
	11/30/2020	36.52	24.62	11.90
	3/8/2021	36.52	20.32	16.20
	6/7/2021	36.52	23.72	12.80
	9/20/2021	36.52	28.68	7.84
	11/29/2021	36.52	22.3	14.22
	2/28/2022	36.52	22.19	14.33
	6/20/2022	36.52	17.03	19.49
MW-81	8/22/2007	32.63	24.57	8.06
	11/6/2007	32.63	25.59	7.04
	2/11/2008	32.63	22.48	10.15
	5/12/2008	32.63	21.65	10.98
	8/4/2008	32.63	23.10	9.53
	11/14/2008	32.63	23.83	8.80
	2/16/2009	32.63	23.66	8.97
	5/27/2009	32.63	22.50	10.13
	8/18/2009	32.63	24.85	7.78
	12/7/2009	32.63	24.23	8.40
	3/15/2010	32.63	24.31	8.32
	6/1/2010	32.63	21.80	10.83
	8/30/2010	32.63	25.03	7.60

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-81 (continued)	11/29/2010	32.63	24.14	8.49
	3/30/2011	32.63	20.05	12.58
	5/31/2011	32.63	13.46	19.17
	9/14/2011	32.63	23.95	8.68
	12/12/2011	32.63	24.06	8.57
	7/2/2012	32.63	16.54	16.09
	9/26/2012	32.63	24.52	8.11
	12/3/2012	32.63	21.29	11.34
	6/17/2013	32.63	21.86	10.77
	12/10/2013	32.63	23.86	8.77
	6/11/2014	32.63	19.81	12.82
	12/17/2014	32.63	22.69	9.94
	6/20/2016	32.63	22.66	9.97
	12/5/2016	32.63	22.00	10.63
	6/26/2017	32.63	17.56	15.07
	12/11/2017	32.63	22.91	9.72
	6/25/2018	32.63	20.98	11.65
	12/17/2018	34.71	24.24	10.47
	3/4/2019	34.71	NM	NM
	6/18/2019	34.71	21.74	12.97
	9/9/2019	34.71	25.10	9.61
	12/9/2019	34.71	24.94	9.77
	3/16/2020	34.71	23.48	11.23
	6/8/2020	34.71	18.47	16.24
	9/8/2020	34.71	24.90	9.81
	11/30/2020	34.71	23.94	10.77
	3/8/2021	34.71	21.72	12.99
	6/7/2021	34.71	21.10	13.61
	9/20/2021	34.71	25.00	9.71
	11/29/2021	34.71	23.30	11.41
	2/28/2022	34.71	22.40	12.31
	6/20/2022	34.71	14.63	20.08
MW-82	7/2/2019	32.89	22.21	10.68
	9/9/2019	32.89	NM	NM
	12/9/2019	32.89	23.63	9.26
	3/16/2020	32.89	22.16	10.73
	6/8/2020	32.89	17.49	15.40
	9/8/2020	32.89	23.67	9.22
	11/30/2020	32.89	22.24	10.65
	3/8/2021	32.89	20.98	11.91
	6/7/2021	32.89	21.68	11.21
	9/20/2021	32.89	24.11	8.78
	11/29/2021	32.89	21.85	11.04
	2/28/2022	32.89	21.58	11.31
	6/20/2022	32.89	13.69	19.20
	9/21/2022	32.89	23.41	9.48

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-83	7/2/2019	35.06	25.41	9.65
	9/9/2019	35.06	27.26	7.80
	12/9/2019	35.06	26.71	8.35
	3/16/2020	35.06	25.05	10.01
	6/8/2020	35.06	18.62	16.44
	9/8/2020	35.06	27.09	7.97
	11/30/2020	35.06	25.89	9.17
	3/8/2021	35.06	25.11	9.95
	6/7/2021	35.06	22.85	12.21
	9/20/2021	35.06	27.13	7.93
	11/29/2021	35.06	24.98	10.08
	2/28/2022	35.06	24.88	10.18
	6/20/2022	35.06	16.23	18.83
MW-84	7/2/2019	35.49	17.69	17.80
	9/9/2019	35.49	18.97	16.52
	12/9/2019	35.49	18.61	16.88
	3/16/2020	35.49	15.62	19.87
	6/8/2020	35.49	14.10	21.39
	9/8/2020	35.49	19.08	16.41
	11/30/2020	35.49	18.59	16.90
	3/8/2021	35.49	15.51	19.98
	6/7/2021	35.49	16.68	18.81
	9/20/2021	35.49	20.83	14.66
	11/29/2021	35.49	19.25	16.24
	2/28/2022	35.49	17.07	18.42
	6/20/2022	35.49	11.44	24.05
MW-85	7/2/2019	32.16	21.52	10.64
	9/9/2019	32.16	22.90	9.26
	12/9/2019	32.16	24.30	7.86
	3/16/2020	32.16	21.22	10.94
	6/8/2020	32.16	16.69	15.47
	9/8/2020	32.16	22.72	9.44
	11/30/2020	32.16	21.69	10.47
	3/8/2021	32.16	20.83	11.33
	6/7/2021	32.16	20.18	11.98
	9/20/2021	32.16	22.68	9.48
	11/29/2021	32.16	21.26	10.90
	2/28/2022	32.16	20.89	11.27
	6/20/2022	32.16	13.34	18.82
MW-92	7/2/2019	34.39	24.21	10.18
	9/9/2019	34.39	25.28	9.11
	12/9/2019	34.39	25.32	9.07
	3/16/2020	34.39	24.26	10.13
	6/8/2020	34.39	18.82	15.57
	9/8/2020	34.39	25.64	8.75
	12/3/2020	34.39	24.35	10.04
	3/8/2021	34.39	20.52	13.87
	6/7/2021	34.39	21.55	12.84
	9/20/2021	34.39	23.99	10.40
	11/29/2021	34.39	21.15	13.24
	2/28/2022	34.39	18.67	15.72
	6/20/2022	34.39	15.57	18.82

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
SMW-11	5/15/2002	34.73	24.61	10.12
	8/7/2002	34.73	25.07	9.66
	11/26/2002	34.73	27.75	6.98
	3/4/2003	34.73	26.14	8.59
	5/19/2003	34.73	23.89	10.84
	12/9/2003	34.73	26.59	8.14
	8/19/2004	34.73	27.22	7.51
	10/28/2004	34.73	27.20	7.53
	11/22/2004	34.73	27.69	7.04
	1/21/2005	34.73	26.78	7.95
	2/11/2005	34.73	26.38	8.35
	4/21/2005	34.73	26.83	7.90
	5/18/2005	34.73	24.98	9.75
	7/19/2005	34.73	26.24	8.49
	9/16/2005	34.73	28.18	6.55
	10/25/2005	34.73	28.11	6.62
	11/8/2005	34.73	27.17	7.56
	3/16/2006	34.73	24.39	10.34
	6/2/2006	34.73	20.34	14.39
	8/7/2006	34.73	26.09	8.64
	11/17/2006	34.73	25.59	9.14
	2/15/2007	34.73	25.86	8.87
	5/22/2007	34.73	23.47	11.26
	8/22/2007	34.73	27.02	7.71
	11/6/2007	34.73	28.66	6.07
	2/11/2008	34.73	24.85	9.88
	5/12/2008	34.73	24.67	10.06
	8/4/2008	34.73	25.20	9.53
	11/14/2008	34.73	26.98	7.75
	2/16/2009	34.73	26.19	8.54
	5/27/2009	34.73	22.75	11.98
	8/18/2009	34.73	27.40	7.33
	12/7/2009	34.73	27.02	7.71
	3/15/2010	34.73	26.58	8.15
	6/1/2010	34.73	24.68	10.05
	8/30/2010	34.73	27.18	7.55
	11/29/2010	34.73	26.62	8.11
	3/30/2011	34.73	22.28	12.45
	5/31/2011	34.73	16.64	18.09
	9/14/2011	34.73	26.06	8.67
	12/12/2011	34.73	26.81	7.92
	7/2/2012	34.73	19.50	15.23
	9/26/2012	34.73	26.92	7.81
	12/3/2012	34.73	24.54	10.19
	6/17/2013	34.73	24.04	10.69

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
SMW-11 (continued)	12/10/2013	34.73	26.81	7.92
	6/11/2014	34.73	22.02	12.71
	12/17/2014	34.73	25.53	9.20
	6/20/2016	34.73	24.98	9.75
	12/5/2016	34.73	24.81	9.92
	6/26/2017	34.73	19.62	15.11
	12/11/2017	34.73	25.52	9.21
	6/25/2018	Decommissioned		
SMW-12	5/15/2002	32.86	22.80	10.06
	9/16/2002	32.86	25.64	7.22
	11/26/2002	32.86	25.61	7.25
	5/19/2003	32.86	21.72	11.14
	12/9/2003	32.86	23.93	8.93
	3/30/2004	32.86	23.80	9.06
	8/19/2004	32.86	25.07	7.79
	10/28/2004	32.86	24.76	8.10
	11/22/2004	32.86	25.74	7.12
	1/21/2005	32.86	24.11	8.75
	2/11/2005	32.86	24.05	8.81
	4/21/2005	32.86	24.65	8.21
	5/18/2005	32.86	22.26	10.60
	7/19/2005	32.86	24.43	8.43
	9/16/2005	32.86	26.15	6.71
	10/25/2005	32.86	25.93	6.93
	11/8/2005	32.86	24.54	8.32
	3/1/2006	32.86	22.26	10.60
	3/16/2006	32.86	22.54	10.32
	6/2/2006	32.86	18.58	14.28
	8/7/2006	32.86	24.67	8.19
	11/17/2006	32.86	22.72	10.14
	2/15/2007	32.86	24.26	8.60
	5/22/2007	32.86	21.52	11.34
	8/22/2007	32.86	25.48	7.38
	11/6/2007	32.86	26.68	6.18
	2/11/2008	32.86	22.54	10.32
	5/12/2008	32.86	22.24	10.62
	8/4/2008	32.86	23.72	9.14
	11/14/2008	32.86	23.98	8.88
	2/16/2009	32.86	24.29	8.57
	5/27/2009	32.86	20.00	12.86
	8/18/2009	32.86	25.83	7.03
	12/7/2009	32.86	24.80	8.06
	3/15/2010	32.86	24.53	8.33
	6/1/2010	32.86	22.44	10.42
	8/30/2010	32.86	25.64	7.22
	11/29/2010	32.86	24.11	8.75

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
SMW-12 (continued)	3/30/2011	32.86	20.25	12.61
	5/31/2011	32.86	14.02	18.84
	9/14/2011	32.86	24.74	8.12
	12/12/2011	32.86	24.68	8.18
	7/2/2012	32.86	17.46	15.40
	9/26/2012	32.86	NM	--
	12/3/2012	32.86	21.26	11.60
	6/17/2013	32.86	22.73	10.13
	12/10/2013	32.86	24.63	8.23
	6/11/2014	32.86	20.69	12.17
	12/17/2014	32.86	23.34	9.52
	6/20/2016	32.86	23.76	9.10
	12/5/2016	32.86	22.72	10.14
	6/26/2017	32.86	18.25	14.61
	12/11/2017	32.86	23.98	8.88
Decommissioned				
SMW-18	5/15/2002	33.78	24.37	9.41
	8/7/2002	33.78	26.18	7.60
	9/16/2002	33.78	27.97	5.81
	11/26/2002	33.78	27.10	6.68
	3/4/2003	33.78	26.08	7.70
	5/19/2003	33.78	23.25	10.53
	12/9/2003	33.78	25.36	8.42
	3/30/2004	33.78	25.57	8.21
	8/19/2004	33.78	26.50	7.28
	10/28/2004	33.78	26.03	7.75
	11/22/2004	33.78	27.25	6.53
	1/21/2005	33.78	25.76	8.02
	4/21/2005	33.78	26.30	7.48
	5/18/2005	33.78	23.42	10.36
	7/19/2005	33.78	26.18	7.60
	9/16/2005	33.78	27.97	5.81
	10/25/2005	33.78	27.38	6.40
	11/8/2005	33.78	26.17	7.61
	1/10/2006	33.78	20.89	12.89
	3/1/2006	33.78	24.00	9.78
	6/2/2006	33.78	20.22	13.56
	8/7/2006	33.78	26.54	7.24
	11/17/2006	33.78	24.49	9.29
	2/15/2007	33.78	26.14	7.64
	5/22/2007	33.78	23.01	10.77
	8/22/2007	33.78	27.48	6.30
	11/6/2007	33.78	28.27	5.51
	2/11/2008	33.78	24.54	9.24
	5/12/2008	33.78	23.69	10.09
	8/4/2008	33.78	25.32	8.46

Please refer to notes at end of table.

Table D-2
Historical Groundwater Elevations - Area 2
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
SMW-18 (continued)	2/16/2009	33.78	25.82	7.96
	5/27/2009	33.78	20.75	13.03
	8/18/2009	33.78	27.60	6.18
	12/7/2009	33.78	26.49	7.29
	6/1/2010	33.78	23.93	9.85
	8/30/2010	33.78	27.56	6.22
	11/29/2010	33.78	25.97	7.81
	3/30/2011	33.78	22.31	11.47
	5/31/2011	33.78	14.51	19.27
	9/14/2011	33.78	26.88	6.90
	12/12/2011	33.78	26.44	7.34
	6/25/2018	Decommissioned		

Notes:

feet BTOC = feet below top of casing.

NM = Not Measured.

-- = Not Applicable.

TOC elevations for wells in the groundwater monitoring program were re-surveyed on December 17, 2018. Listed elevations in NAVD88 datum.

TOC elevations for wells installed in June 2019 were surveyed on July 2, 2019. Listed elevation in NAVD88 datum.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-10	7/22/1991	34.71	8.81	25.90
	4/2/1992	34.71	8.82	25.89
	10/19/1995	34.71	9.95	24.76
	1/22/1996	34.71	7.11	27.60
	4/23/1996	34.71	6.98	27.73
	8/2/1996	34.71	8.83	25.88
	11/5/1996	34.71	8.77	25.94
	1/23/1997	34.71	6.42	28.29
	4/16/1997	34.71	7.55	27.16
	7/15/1997	34.71	8.87	25.84
	11/3/1997	34.71	8.75	25.96
	2/5/1998	34.71	7.26	27.45
	9/16/1998	34.71	9.71	25.00
	12/30/1998	34.71	7.33	27.38
	4/6/1999	34.71	7.11	27.60
	5/24/1999	34.71	8.01	26.70
	8/18/1999	34.71	9.40	25.31
	12/21/1999	34.71	7.68	27.03
	4/25/2000	34.71	8.02	26.69
	10/25/2000	34.71	9.98	24.73
	2/9/2001	34.71	8.76	25.95
	5/15/2001	34.71	8.99	25.72
	8/7/2001	34.71	10.02	24.69
	12/5/2001	34.71	6.83	27.88
	4/9/2002	34.71	8.04	26.67
	7/29/2002	34.71	9.44	25.27
	11/26/2002	34.71	10.54	24.17
	3/4/2003	34.71	7.95	26.76
	5/19/2003	34.71	8.01	26.70
	12/9/2003	34.71	9.10	25.61
	3/30/2004	34.71	7.92	26.79
	8/19/2004	34.71	10.02	24.69
	10/27/2004	34.71	11.88	22.83
	11/22/2004	34.71	9.40	25.31
	1/19/2005	34.71	13.54	21.17
	2/11/2005	34.71	8.17	26.54
	4/21/2005	34.71	10.23	24.48
	5/18/2005	34.71	7.68	27.03
	7/19/2005	34.71	11.49	23.22
	9/16/2005	34.71	9.97	24.74
	10/25/2005	34.71	11.40	23.31
	11/8/2005	34.71	9.52	25.19
	1/10/2006	34.71	7.16	27.55
	3/1/2006	34.71	7.92	26.79
	3/16/2006	34.71	7.35	27.36

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-10 (continued)	6/2/2006	34.71	7.84	26.87
	8/7/2006	34.71	9.19	25.52
	11/17/2006	34.71	8.73	25.98
	2/15/2007	34.71	7.87	26.84
	5/22/2007	34.71	8.33	26.38
	8/22/2007	34.71	9.66	25.05
	11/6/2007	34.71	9.51	25.20
	2/11/2008	34.71	6.79	27.92
	5/12/2008	34.71	8.21	26.50
	8/4/2008	34.71	9.29	25.42
	11/14/2008	34.71	9.96	24.75
	2/16/2009	34.71	8.59	26.12
	5/27/2009	34.71	8.45	26.26
	8/18/2009	34.71	9.50	25.21
	12/7/2009	34.71	10.00	24.71
	3/15/2010	34.71	8.27	26.44
	6/1/2010	34.71	8.33	26.38
	8/30/2010	34.71	8.98	25.73
	11/29/2010	34.71	8.97	25.74
	3/30/2011	34.71	7.68	27.03
	5/31/2011	34.71	7.95	26.76
	9/14/2011	34.71	9.27	25.44
	12/12/2011	34.71	9.42	25.29
	7/2/2012	34.71	8.17	26.54
	9/26/2012	34.71	9.38	25.33
	12/3/2012	34.71	8.79	25.92
	6/17/2013	34.71	8.48	26.23
	12/10/2013	34.71	9.14	25.57
	6/11/2014	34.71	8.27	26.44
	12/17/2014	34.71	8.53	26.18
	6/20/2016	32.39	6.41	25.98
	12/5/2016	32.39	6.02	26.37
	6/26/2017	32.39	5.98	26.41
	12/11/2017	32.39	5.91	26.48
	6/25/2018	32.39	6.65	25.74
	12/17/2018	34.41	7.21	27.20
	3/4/2019	34.41	4.61	29.80
	6/18/2019	34.41	6.48	27.93
	9/9/2019	34.41	7.45	26.96
	12/9/2019	34.41	7.42	26.99
	3/16/2020	34.41	5.59	28.82
	6/8/2020	34.41	6.48	27.93
	9/8/2020	34.41	7.26	27.15
	11/30/2020	34.41	6.38	28.03
	3/8/2021	34.41	4.86	29.55
	6/7/2021	34.41	6.58	27.83
	9/20/2021	34.41	7.58	26.83
	11/29/2021	34.41	5.17	29.24
	2/28/2022	34.41	5.72	28.69
	6/20/2022	34.41	5.23	29.18

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-11	7/22/1991	35.98	13.59	22.39
	4/2/1992	35.98	13.63	22.35
	7/20/1994	35.98	15.70	20.28
	10/25/1994	35.98	17.78	18.20
	2/17/1995	35.98	11.13	24.85
	4/18/1995	35.98	9.48	26.50
	7/25/1995	35.98	12.72	23.26
	10/19/1995	35.98	15.28	20.70
	4/23/1996	35.98	7.95	28.03
	8/2/1996	35.98	11.39	24.59
	11/5/1996	35.98	13.71	22.27
	1/23/1997	35.98	6.76	29.22
	4/16/1997	35.98	8.68	27.30
	7/15/1997	35.98	10.39	25.59
	11/3/1997	35.98	12.91	23.07
	2/5/1998	35.98	9.47	26.51
	9/16/1998	35.98	14.27	21.71
	12/30/1998	35.98	9.01	26.97
	4/6/1999	35.98	8.20	27.78
	5/24/1999	35.98	9.98	26.00
	8/18/1999	35.98	12.85	23.13
	12/21/1999	35.98	11.95	24.03
	4/25/2000	35.98	11.13	24.85
	10/25/2000	35.98	15.39	20.59
	2/9/2001	35.98	15.49	20.49
	5/15/2001	35.98	15.93	20.05
	8/7/2001	35.98	17.08	18.90
	12/5/2001	35.98	16.67	19.31
	4/9/2002	35.98	11.76	24.22
	7/29/2002	35.98	14.02	21.96
	11/26/2002	35.98	17.06	18.92
	3/4/2003	35.98	12.49	23.49
	5/19/2003	35.98	11.66	24.32
	12/9/2003	35.98	15.42	20.56
	3/30/2004	35.98	12.02	23.96
	8/19/2004	35.98	15.32	20.66
	10/27/2004	35.98	11.83	24.15
	11/22/2004	35.98	16.31	19.67
	1/19/2005	35.98	11.53	24.45
	2/11/2005	35.98	15.43	20.55
	4/21/2005	35.98	11.26	24.72
	5/18/2005	35.98	14.53	21.45
	7/19/2005	35.98	11.48	24.50
	9/16/2005	35.98	16.07	19.91
	10/25/2005	35.98	9.12	26.86
	11/8/2005	35.98	16.14	19.84
	1/10/2006	35.98	11.51	24.47

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-11 (continued)	3/1/2006	35.98	9.29	26.69
	3/16/2006	35.98	8.51	27.47
	6/2/2006	35.98	10.50	25.48
	8/7/2006	35.98	12.78	23.20
	11/17/2006	35.98	12.27	23.71
	2/15/2007	35.98	10.62	25.36
	5/22/2007	35.98	10.83	25.15
	8/22/2007	35.98	13.27	22.71
	11/6/2007	35.98	14.14	21.84
	2/11/2008	35.98	8.12	27.86
	5/12/2008	35.98	10.71	25.27
	8/4/2008	35.98	12.39	23.59
	11/14/2008	35.98	13.46	22.52
	2/16/2009	35.98	11.68	24.30
	5/27/2009	35.98	11.51	24.47
	8/18/2009	35.98	13.75	22.23
	12/7/2009	35.98	13.76	22.22
	3/15/2010	35.98	10.83	25.15
	6/1/2010	35.98	10.71	25.27
	8/30/2010	35.98	11.60	24.38
	11/29/2010	35.98	9.13	26.85
	3/30/2011	35.98	7.02	28.96
	5/31/2011	35.98	8.44	27.54
	9/14/2011	35.98	10.89	25.09
	12/12/2011	35.98	9.83	26.15
	7/2/2012	35.98	8.93	27.05
	9/26/2012	35.98	11.29	24.69
	12/3/2012	35.98	7.84	28.14
	6/17/2013	35.98	9.38	26.60
	12/10/2013	35.98	11.23	24.75
	6/11/2014	35.98	9.32	26.66
	12/17/2014	35.98	10.16	25.82
	6/20/2016	33.16	7.18	25.98
	12/5/2016	33.16	5.29	27.87
	6/26/2017	33.16	6.71	26.45
	12/11/2017	33.16	5.97	27.19
	6/25/2018	33.16	7.26	25.9
	12/17/2018	35.18	7.36	27.82
	3/4/2019	35.18	5.62	29.56
	6/18/2019	35.18	7.17	28.01
	9/9/2019	35.18	8.48	26.7
	12/9/2019	35.18	8.57	26.61
	3/16/2020	35.18	6.19	28.99
	6/8/2020	35.18	7.29	27.89
	9/8/2020	35.18	8.44	26.74
	11/30/2020	35.18	6.17	29.01
	3/8/2021	35.18	4.96	30.22
	6/7/2021	35.18	7.35	27.83
	9/20/2021	35.18	8.35	26.83
	11/29/2021	35.18	5.22	29.96
	2/28/2022	35.18	6.03	29.15
	6/20/2022	35.18	5.22	29.96

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-14	7/22/1991	33.51	24.45	9.06
	4/2/1992	33.51	25.21	8.30
	7/20/1994	33.51	25.89	7.62
	10/25/1994	33.51	27.18	6.33
	2/17/1995	33.51	22.27	11.24
	4/18/1995	33.51	23.51	10.00
	7/25/1995	33.51	23.00	10.51
	1/22/1996	33.51	17.10	16.41
	4/23/1996	33.51	17.22	16.29
	8/2/1996	33.51	20.92	12.59
	11/5/1996	33.51	21.60	11.91
	1/23/1997	33.51	16.97	16.54
	4/16/1997	33.51	19.64	13.87
	7/15/1997	33.51	19.91	13.60
	11/3/1997	33.51	23.85	9.66
	2/5/1998	33.51	21.10	12.41
	9/16/1998	33.51	26.18	7.33
	12/30/1998	33.51	19.20	14.31
	4/6/1999	33.51	18.67	14.84
	5/24/1999	33.51	19.87	13.64
	8/18/1999	33.51	22.68	10.83
	12/21/1999	33.51	20.27	13.24
	4/25/2000	33.51	20.26	13.25
	10/25/2000	33.51	26.22	7.29
	2/9/2001	33.51	25.59	7.92
	5/15/2001	33.51	25.41	8.10
	8/7/2001	33.51	26.74	6.77
	12/5/2001	33.51	23.40	10.11
	4/9/2002	33.51	24.37	9.14
	7/29/2002	33.51	23.97	9.54
	11/26/2002	33.51	25.30	8.21
	3/4/2003	33.51	24.02	9.49
	5/19/2003	33.51	22.05	11.46
	12/9/2003	33.51	23.88	9.63
	3/30/2004	33.51	24.03	9.48
	8/19/2004	33.51	25.18	8.33
	10/27/2004	33.51	12.87	20.64
	11/22/2004	33.51	24.14	9.37
	1/19/2005	33.51	12.24	21.27
	2/11/2005	33.51	24.62	8.89
	4/21/2005	33.51	12.26	21.25
	5/18/2005	33.51	22.85	10.66
	7/19/2005	33.51	12.57	20.94
	9/16/2005	33.51	26.23	7.28
	10/25/2005	33.51	13.28	20.23
	11/8/2005	33.51	24.31	9.20

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-14 (continued)	1/10/2006	33.51	20.32	13.19
	3/1/2006	33.51	23.19	10.32
	3/16/2006	33.51	23.18	10.33
	6/2/2006	33.51	19.02	14.49
	8/7/2006	33.51	25.22	8.29
	11/17/2006	33.51	23.44	10.07
	2/15/2007	33.51	24.91	8.60
	5/22/2007	33.51	22.02	11.49
	8/22/2007	33.51	25.79	7.72
	11/6/2007	33.51	27.07	6.44
	2/11/2008	33.51	23.70	9.81
	5/12/2008	33.51	22.92	10.59
	8/4/2008	33.51	24.53	8.98
	11/14/2008	33.51	25.30	8.21
	2/16/2009	33.51	25.11	8.40
	5/27/2009	33.51	21.03	12.48
	8/18/2009	33.51	26.00	7.51
	12/7/2009	33.51	25.33	8.18
	3/15/2010	33.51	25.10	8.41
	6/1/2010	33.51	22.93	10.58
	8/30/2010	33.51	26.33	7.18
	11/29/2010	33.51	21.79	11.72
	3/30/2011	33.51	21.07	12.44
	5/31/2011	33.51	14.82	18.69
	9/14/2011	33.51	25.33	8.18
	12/12/2011	33.51	24.10	9.41
	7/2/2012	33.24	18.34	14.90
	9/26/2012	33.24	25.79	7.45
	12/3/2012	33.24	22.41	10.83
	6/17/2013	33.24	23.02	10.22
	12/10/2013	33.24	25.20	8.04
	6/11/2014	33.24	20.75	12.49
	12/17/2014	33.24	23.61	9.63
	6/20/2016	33.24	24.49	8.75
	12/5/2016	33.24	23.20	10.04
	6/26/2017	33.24	18.85	14.39
	12/11/2017	33.24	24.03	9.21
	6/25/2018	33.24	22.02	11.22
	12/17/2018	35.58	25.48	10.10
	3/4/2019	35.58	25.19	10.39
	6/18/2019	32.82	23.21	9.61
	9/11/2019	32.82	23.54	9.28
	12/9/2019	32.82	23.28	9.54
	3/16/2020	32.82	22.16	10.66
	6/8/2020	32.82	17.20	15.62
	9/8/2020	32.82	23.47	9.35
	11/30/2020	32.82	22.48	10.34
	3/8/2021	32.82	21.03	11.79
	6/7/2021	32.82	20.66	12.16
	9/20/2021	32.82	24.16	8.66
	11/29/2021	32.82	NM	NM

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-72	9/16/2005	33.88	27.15	6.73
	11/8/2005	33.88	25.87	8.01
	1/10/2006	33.88	21.22	12.66
	3/1/2006	33.88	23.40	10.48
	3/16/2006	33.88	23.42	10.46
	6/2/2006	33.88	19.02	14.86
	8/7/2006	33.88	25.85	8.03
	11/17/2006	33.88	24.37	9.51
	2/15/2007	33.88	25.20	8.68
	5/22/2007	33.88	22.61	11.27
	8/22/2007	33.88	26.40	7.48
	11/6/2007	33.88	27.29	6.59
	2/11/2008	33.88	23.87	10.01
	5/12/2008	33.88	22.83	11.05
	8/4/2008	33.88	24.90	8.98
	11/14/2008	33.88	25.07	8.81
	2/16/2009	33.88	25.36	8.52
	5/27/2009	33.88	20.91	12.97
	8/18/2009	33.88	26.80	7.08
	12/7/2009	33.88	25.83	8.05
	3/15/2010	33.88	25.64	8.24
	6/1/2010	33.88	23.34	10.54
	8/30/2010	33.88	26.48	7.40
	11/29/2010	33.88	25.67	8.21
	3/30/2011	33.88	21.79	12.09
	5/31/2011	33.88	14.70	19.18
	9/14/2011	33.88	25.50	8.38
	12/12/2011	33.88	25.69	8.19
	7/2/2012	33.88	18.28	15.60
	9/26/2012	33.88	26.24	7.64
	12/3/2012	33.88	22.56	11.32
	6/17/2013	33.88	23.70	10.18
	12/10/2013	33.88	25.52	8.36
	6/11/2014	33.88	21.54	12.34
	12/17/2014	33.88	24.50	9.38
	6/20/2016	33.88	24.51	9.37
	12/5/2016	33.88	23.83	10.05
	6/26/2017	33.88	19.76	14.12
	12/11/2017	33.88	24.75	9.13
	6/25/2018	33.88	23.11	10.77
	12/17/2018	35.94	26.15	9.79
	3/4/2019	35.94	25.80	10.14
	6/18/2019	35.94	23.93	12.01
	9/9/2019	35.94	26.57	9.37
	12/9/2019	35.94	26.62	9.32
	3/16/2020	35.94	25.32	10.62
	6/8/2020	35.94	20.31	15.63

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-72 (continued)	9/8/2020	35.94	26.62	9.32
	11/30/2020	35.94	25.60	10.34
	3/8/2021	35.94	24.13	11.81
	6/7/2021	35.94	23.09	12.85
	9/20/2021	35.94	26.99	8.95
	11/29/2021	35.94	25.72	10.22
	2/28/2022	35.94	24.32	11.62
	6/20/2022	35.94	16.46	19.48
MW-73	9/16/2005	32.06	17.42	14.64
	11/8/2005	32.06	17.09	14.97
	1/10/2006	32.06	16.35	15.71
	3/1/2006	32.06	17.45	14.61
	3/16/2006	32.06	17.91	14.15
	6/2/2006	32.06	19.25	12.81
	8/7/2006	32.06	20.17	11.89
	11/17/2006	32.06	21.68	10.38
	2/15/2007	32.06	19.16	12.90
	5/22/2007	32.06	18.25	13.81
	8/22/2007	32.06	19.91	12.15
	11/6/2007	32.06	20.16	11.90
	2/11/2008	32.06	18.38	13.68
	5/12/2008	32.06	18.41	13.65
	5/27/2009	32.06	17.55	14.51
	8/18/2009	32.06	20.15	11.91
	12/7/2009	32.06	17.70	14.36
	3/15/2010	32.06	19.88	12.18
	6/1/2010	32.06	18.79	13.27
	8/30/2010	32.06	21.03	11.03
	11/29/2010	32.06	20.95	11.11
	3/30/2011	32.06	17.06	15.00
	5/31/2011	32.06	12.21	19.85
	9/14/2011	32.06	20.13	11.93
	12/12/2011	32.06	21.49	10.57
	7/25/2012	32.06	15.84	16.22
	9/26/2012	32.06	20.91	11.15
	12/3/2012	32.06	16.73	15.33
	6/17/2013	32.06	17.64	14.42
	12/10/2013	32.06	20.22	11.84
	6/11/2014	32.06	15.34	16.72
	12/17/2014	32.06	17.93	14.13
	6/23/2016	32.06	15.78	16.28
	12/5/2016	32.06	15.86	16.20
	6/26/2017	32.06	12.12	19.94
	12/14/2017	32.06	18.93	13.13
	6/25/2018	32.06	15.85	16.21
	12/17/2018	34.18	20.63	13.55
	3/4/2019	34.18	18.91	15.27
	6/18/2019	34.18	18.35	15.83
	9/9/2019	34.18	19.44	14.74
	12/9/2019	34.18	20.73	13.45

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-73 (continued)	3/16/2020	34.18	17.26	16.92
	6/8/2020	34.18	16.03	18.15
	9/8/2020	34.18	17.56	16.62
	11/30/2020	34.18	17.57	16.61
	3/8/2021	34.18	16.21	17.97
	6/7/2021	34.18	17.56	16.62
	9/20/2021	34.18	17.58	16.60
	11/29/2021	34.18	17.75	16.43
	2/28/2022	34.18	18.49	15.69
	6/20/2022	34.18	15.87	18.31
MW-74	12/16/2005	32.83	25.94	6.89
	1/9/2006	32.83	19.49	13.34
	1/10/2006	32.83	19.86	12.97
	3/1/2006	32.83	23.02	9.81
	3/16/2006	32.83	22.82	10.01
	6/2/2006	32.83	19.62	13.21
	8/7/2006	32.83	24.76	8.07
	11/17/2006	32.83	23.03	9.80
	2/15/2007	32.83	24.61	8.22
	5/22/2007	32.83	21.71	11.12
	8/22/2007	32.83	25.76	7.07
	11/6/2007	32.83	26.58	6.25
	2/11/2008	32.83	23.22	9.61
	5/12/2008	32.83	22.22	10.61
	11/14/2008	32.83	24.31	8.52
	2/16/2009	32.83	24.73	8.10
	5/27/2009	32.83	20.00	12.83
	8/18/2009	32.83	25.95	6.88
	12/7/2009	32.83	24.56	8.27
	3/15/2010	32.83	24.81	8.02
	6/1/2010	32.83	22.59	10.24
	8/30/2010	32.83	26.00	6.83
	11/29/2010	32.83	24.65	8.18
	3/30/2011	32.83	20.98	11.85
	5/31/2011	32.83	13.60	19.23
	9/14/2011	32.83	24.93	7.90
	12/12/2011	32.83	24.90	7.93
	7/2/2012	32.83	17.40	15.43
	9/26/2012	32.83	25.68	7.15
	12/3/2012	32.83	21.71	11.12
	6/17/2013	32.83	22.93	9.90
	12/10/2013	32.83	24.77	8.06
	6/11/2014	32.83	20.70	12.13
	12/17/2014	32.83	23.44	9.39
	6/20/2016	32.83	23.87	8.96
	12/5/2016	32.83	23.01	9.82
	6/26/2017	32.83	18.61	14.22
	12/11/2017	32.83	24.11	8.72
	6/25/2018	32.83	22.28	10.55
	12/17/2018	34.85	24.97	9.88
	3/4/2019	34.85	24.68	10.17
	6/18/2019	34.85	22.79	12.06

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-74 (continued)	9/9/2019	34.85	25.71	9.14
	12/9/2019	34.85	24.15	10.70
	3/16/2020	34.85	20.18	14.67
	6/8/2020	34.85	18.45	16.40
	9/8/2020	34.85	25.39	9.46
	11/30/2020	34.85	24.54	10.31
	3/8/2021	34.85	20.17	14.68
	6/7/2021	34.85	21.96	12.89
	9/20/2021	34.85	24.72	10.13
	11/29/2021	34.85	23.11	11.74
MW-76	2/28/2022	34.85	16.03	18.82
	6/20/2022	34.85	15.73	19.12
	12/16/2005	36.55	28.61	7.94
	1/9/2006	36.55	22.62	13.93
	1/10/2006	36.55	22.84	13.71
	3/1/2006	36.55	26.86	9.69
	3/16/2006	36.55	26.66	9.89
	6/2/2006	36.55	22.54	14.01
	8/7/2006	36.55	28.70	7.85
	11/17/2006	36.55	27.18	9.37
	2/15/2007	36.55	28.23	8.32
	5/22/2007	36.55	25.81	10.74
	8/22/2007	36.55	29.57	6.98
	11/6/2007	36.55	30.39	6.16
	2/11/2008	36.55	27.04	9.51
	5/12/2008	36.55	26.27	10.28
	8/4/2008	36.55	27.89	8.66
	11/14/2008	36.55	28.08	8.47
	2/16/2009	36.55	28.46	8.09
	5/27/2009	36.55	24.00	12.55
	8/18/2009	36.55	29.61	6.94
	12/7/2009	36.55	28.91	7.64
	3/15/2010	36.55	28.56	7.99
	6/1/2010	36.55	26.58	9.97
	8/30/2010	36.55	29.69	6.86
	11/29/2010	36.55	28.64	7.91
	3/30/2011	36.55	25.06	11.49
	5/31/2011	36.55	17.82	18.73
	9/14/2011	36.55	28.74	7.81
	12/12/2011	36.55	28.82	7.73
	7/2/2012	36.55	21.63	14.92
	9/26/2012	36.55	29.36	7.19
	12/3/2012	36.55	26.02	10.53
	6/17/2013	36.55	26.66	9.89
	12/10/2013	36.55	28.50	8.05
	6/11/2014	36.55	24.48	12.07
	12/17/2014	36.55	27.28	9.27
	6/20/2016	36.55	27.42	9.13
	12/5/2016	36.55	26.83	9.72
	6/26/2017	36.55	22.01	14.54

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-76 (continued)	12/11/2017	36.55	27.57	8.98
	6/25/2018	36.55	25.7	10.85
	12/17/2018	38.54	28.78	9.76
	3/4/2019	38.54	28.13	10.41
	6/18/2019	38.54	26.53	12.01
	9/9/2019	38.54	29.23	9.31
	12/9/2019	38.54	29.41	9.13
	3/16/2020	38.54	27.75	10.79
	6/8/2020	38.54	23.67	14.87
	9/8/2020	38.54	28.98	9.56
	11/30/2020	38.54	28.33	10.21
	3/8/2021	38.54	26.87	11.67
	6/7/2021	38.54	26.78	11.76
	9/20/2021	38.54	29.74	8.80
	11/29/2021	38.54	28.24	10.30
	2/28/2022	38.54	27.27	11.27
	6/20/2022	38.54	19.76	18.78
MW-77	12/16/2005	34.67	27.02	7.65
	1/9/2006	34.67	21.18	13.49
	1/10/2006	34.67	21.78	12.89
	3/1/2006	34.67	25.16	9.51
	3/16/2006	34.67	25.24	9.43
	6/2/2006	34.67	21.08	13.59
	8/7/2006	34.67	27.00	7.67
	11/17/2006	34.67	25.11	9.56
	2/15/2007	34.67	26.68	7.99
	5/22/2007	34.67	24.24	10.43
	8/22/2007	34.67	27.89	6.78
	11/6/2007	34.67	28.66	6.01
	2/11/2008	34.67	25.11	9.56
	5/12/2008	34.67	24.66	10.01
	11/14/2008	34.67	26.42	8.25
	2/16/2009	34.67	26.80	7.87
	5/27/2009	34.67	22.10	12.57
	8/18/2009	34.67	28.05	6.62
	12/7/2009	34.67	27.02	7.65
	3/15/2010	34.67	26.85	7.82
	6/1/2010	34.67	25.08	9.59
	8/30/2010	34.67	28.12	6.55
	11/29/2010	34.67	26.65	8.02
	3/30/2011	34.67	23.45	11.22
	5/31/2011	34.67	15.52	19.15
	9/14/2011	34.67	27.13	7.54
	12/12/2011	34.67	27.15	7.52
	7/2/2012	34.67	20.00	14.67
	9/26/2012	34.67	27.82	6.85
	12/3/2012	34.67	23.90	10.77
	6/17/2013	34.67	25.25	9.42
	12/10/2013	34.67	26.99	7.68
	6/11/2014	34.67	23.23	11.44
	12/17/2014	34.67	25.66	9.01

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-77 (continued)	6/20/2016	34.67	26.18	8.49
	12/5/2016	34.67	25.29	9.38
	6/26/2017	34.67	21.75	12.92
	12/11/2017	34.67	26.31	8.36
	6/25/2018	34.67	24.45	10.22
	12/17/2018	36.69	27.21	9.48
	3/4/2019	36.69	26.56	10.13
	6/18/2019	36.69	25.29	11.40
	9/9/2019	36.69	28.00	8.69
	12/9/2019	36.69	28.00	8.69
	3/16/2020	36.69	26.49	10.20
	6/8/2020	36.69	21.49	15.20
	9/8/2020	36.69	27.85	8.84
	11/30/2020	36.69	26.84	9.85
	3/8/2021	36.69	25.76	10.93
	6/7/2021	36.69	24.99	11.70
	9/20/2021	36.69	28.19	8.50
	11/29/2021	36.69	26.76	9.93
	2/28/2022	36.69	26.10	10.59
	6/20/2022	36.69	17.69	19.00
MW-78	12/16/2005	35.3	27.72	7.58
	1/9/2006	35.3	22.03	13.27
	1/10/2006	35.3	23.83	11.47
	3/1/2006	35.3	26.53	8.77
	3/16/2006	35.3	25.87	9.43
	6/2/2006	35.3	17.03	18.27
	8/7/2006	35.3	28.65	6.65
	11/17/2006	35.3	26.72	8.58
	2/15/2007	35.3	27.66	7.64
	5/22/2007	35.3	25.10	10.20
	8/22/2007	35.3	28.93	6.37
	11/6/2007	35.3	30.02	5.28
	2/11/2008	35.3	26.18	9.12
	5/12/2008	35.3	25.51	9.79
	8/4/2008	35.3	27.52	7.78
	11/14/2008	35.3	27.30	8.00
	2/16/2009	35.3	27.95	7.35
	5/27/2009	35.3	22.06	13.24
	8/18/2009	35.3	28.05	7.25
	12/7/2009	35.3	27.87	7.43
	8/30/2010	35.3	28.71	6.59
	11/29/2010	35.3	27.56	7.74
	3/30/2011	35.3	24.02	11.28
	5/31/2011	35.3	16.09	19.21
	9/14/2011	35.3	27.77	7.53
	12/12/2011	35.3	28.15	7.15
	7/2/2012	35.3	20.24	15.06
	9/26/2012	35.3	29.32	5.98
	12/3/2012	35.3	25.36	9.94
	12/11/2017	35.3	25.33	9.97

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-79	12/16/2005	35.34	8.14	27.20
	1/9/2006	35.34	15.18	20.16
	1/10/2006	35.34	10.53	24.81
	3/1/2006	35.34	10.86	24.48
	3/16/2006	35.34	10.45	24.89
	6/2/2006	35.34	12.50	22.84
	8/7/2006	35.34	11.66	23.68
	11/17/2006	35.34	11.27	24.07
	2/15/2007	35.34	10.90	24.44
	5/22/2007	35.34	10.65	24.69
	8/22/2007	35.34	15.72	19.62
	11/6/2007	35.34	10.71	24.63
	2/11/2008	35.34	10.75	24.59
	5/12/2008	35.34	10.78	24.56
	8/4/2008	35.34	12.20	23.14
	11/14/2008	35.34	10.92	24.42
	2/16/2009	35.34	10.81	24.53
	5/27/2009	35.34	10.69	24.65
	8/18/2009	35.34	13.20	22.14
	12/7/2009	35.34	10.67	24.67
	3/15/2010	35.34	11.03	24.31
	6/1/2010	35.34	10.73	24.61
	8/30/2010	35.34	12.00	23.34
	11/29/2010	35.34	10.49	24.85
	3/30/2011	35.34	6.69	28.65
	5/31/2011	35.34	8.67	26.67
	9/14/2011	35.34	12.43	22.91
	12/12/2011	35.34	7.60	27.74
	7/2/2012	35.34	8.71	26.63
	9/26/2012	35.34	14.89	20.45
	12/3/2012	35.34	6.20	29.14
	6/17/2013	35.34	9.17	26.17
	12/10/2013	35.34	5.69	29.65
	6/11/2014	35.34	13.37	21.97
	12/17/2014	35.34	24.50	10.84
	6/20/2016	32.85	25.12	7.73
	12/5/2016	32.85	25.08	7.77
	6/26/2017	32.85	19.74	13.11
	12/11/2017	32.85	3.27	29.58
	6/25/2018	32.85	8.96	23.89
	12/17/2018	34.89	26.71	8.183
	3/4/2019	34.89	3.21	31.683
	6/18/2019	34.89	8.55	26.343
	9/9/2019	34.89	15.11	19.78
	12/9/2019	34.89	2.99	31.90
	3/16/2020	34.89	2.69	32.20

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-79 (continued)	6/8/2020	34.89	3.51	31.38
	9/8/2020	34.89	10.99	23.90
	11/30/2020	34.89	2.81	32.08
	3/8/2021	34.89	2.78	32.11
	6/7/2021	34.89	9.54	25.35
	9/20/2021	34.89	3.25	31.64
	11/29/2021	34.89	2.73	32.16
	2/28/2022	34.89	1.38	33.51
	6/20/2022	34.89	2.95	31.94
MW-80	5/22/2007	33.91	15.41	18.50
	8/22/2007	33.91	17.71	16.20
	11/6/2007	33.91	18.77	15.14
	2/11/2008	33.91	9.79	24.12
	5/12/2008	33.91	12.75	21.16
	8/4/2008	33.91	14.91	19.00
	11/14/2008	33.91	11.75	22.16
	2/16/2009	33.91	14.07	19.84
	5/27/2009	33.91	12.62	21.29
	8/18/2009	33.91	17.01	16.90
	12/7/2009	33.91	14.62	19.29
	3/15/2010	33.91	13.23	20.68
	6/1/2010	33.91	14.61	19.30
	8/30/2010	33.91	16.22	17.69
	11/29/2010	33.91	10.59	23.32
	3/30/2011	33.91	11.41	22.50
	5/31/2011	33.91	10.05	23.86
	9/14/2011	33.91	15.11	18.80
	12/12/2011	33.91	15.28	18.63
	7/2/2012	33.91	8.85	25.06
	9/26/2012	33.91	15.58	18.33
	12/3/2012	33.91	10.90	23.01
	6/17/2013	33.91	12.27	21.64
	12/10/2013	33.91	14.72	19.19
	6/11/2014	33.91	11.89	22.02
	12/17/2014	33.91	12.86	21.05
	6/20/2016	33.91	11.90	22.01
	12/5/2016	33.91	9.80	24.11
	6/26/2017	33.91	8.22	25.69
	12/11/2017	33.91	9.71	24.20
	6/25/2018	33.91	10.86	23.05
	12/17/2018	35.96	10.05	25.91
	3/4/2019	35.96	9.09	26.87
	6/18/2019	35.96	7.27	28.69
	9/9/2019	35.96	7.61	28.35
	12/9/2019	35.96	7.61	28.35
	3/16/2020	35.96	6.52	29.44
	6/8/2020	35.96	6.36	29.6
	9/8/2020	35.96	13.96	22.00
	11/30/2020	35.96	10.96	25.00
	3/8/2021	35.96	8.72	27.24
	6/7/2021	35.96	12.28	23.68
	9/20/2021	35.96	12.12	23.84
	11/29/2021	35.96	9.69	26.27
	2/28/2022	35.96	13.37	22.59
	6/20/2022	35.96	6.76	29.20

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-86	7/2/2019	33.94	23.56	10.38
	9/9/2019	33.94	25.12	8.82
	12/9/2019	33.94	24.92	9.02
	3/16/2020	33.94	23.85	10.09
	6/8/2020	33.94	18.58	15.36
	9/8/2020	33.94	25.09	8.85
	11/30/2020	33.94	24.08	9.86
	3/8/2021	33.94	22.92	11.02
	6/7/2021	33.94	22.00	11.94
	9/20/2021	33.94	25.56	8.38
	11/29/2021	33.94	24.00	9.94
	2/28/2022	33.94	23.35	10.59
	6/20/2022	33.94	14.67	19.27
MW-87	7/2/2019	35.63	23.89	11.74
	9/9/2019	35.63	25.44	10.19
	12/9/2019	35.63	25.92	9.71
	3/16/2020	35.63	23.74	11.89
	6/8/2020	35.63	21.40	14.23
	9/8/2020	35.63	24.82	10.81
	11/30/2020	35.63	24.65	10.98
	3/8/2021	35.63	23.03	12.60
	6/7/2021	35.63	24.16	11.47
	9/20/2021	35.63	25.94	9.69
	11/29/2021	35.63	24.72	10.91
	2/28/2022	35.63	23.64	11.99
	6/20/2022	35.63	17.54	18.09
MW-88	7/2/2019	33.64	10.74	22.90
	9/9/2019	33.64	11.80	21.84
	12/9/2019	33.64	18.41	15.23
	3/16/2020	33.64	9.09	24.55
	6/8/2020	33.64	8.97	24.67
	9/8/2020	33.64	11.54	22.10
	11/30/2020	33.64	10.04	23.60
	3/8/2021	33.64	6.97	26.67
	6/7/2021	33.64	9.19	24.45
	9/20/2021	33.64	12.02	21.62
	11/29/2021	33.64	8.59	25.05
	2/28/2022	33.64	7.76	25.88
	6/20/2022	33.64	5.85	27.79

Please refer to notes at end of table.

Table D-3
Historical Groundwater Elevations - Schnitzer ASD Yard
Gunderson LLC
Portland, Oregon

Well ID	Measurement Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet)
MW-89	7/2/2019	33.51	20.48	13.03
	9/9/2019	33.51	21.29	12.22
	12/9/2019	33.51	22.21	11.30
	3/16/2020	33.51	22.09	11.42
	6/8/2020	33.51	16.15	17.36
	9/8/2020	33.51	22.09	11.42
	11/30/2020	33.51	20.98	12.53
	3/8/2021	33.51	18.94	14.57
	6/7/2021	33.51	18.84	14.67
	9/20/2021	33.51	22.44	11.07
	11/29/2021	33.51	21.67	11.84
	2/28/2022	33.51	21.75	11.76
	6/20/2022	33.51	13.87	19.64
MW-93	12/29/2021	NS	NM	NM
	2/28/2022	NS	22.24	NS
	6/20/2022	NS	13.83	NS
	9/21/2022	NS	24.00	NS

Notes:

feet BTOC = feet below top of casing.

TOC elevations for wells in the groundwater monitoring program were re-surveyed on December 17, 2018. Listed elevations in NAVD88 datum.

TOC elevations for wells installed in June 2019 and MW-14 (following conversion to a flush-mount monument) were surveyed on July 2, 2019. Listed elevation in NAVD88 datum.

NS = Not surveyed. Well MW-93 was installed in December 2021 and has not yet been surveyed.

APPENDIX E

Historical Groundwater Analytical Data

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
		AREA 1																			
MW-19	12/1/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	12/14/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0
	3/30/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/12/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/7/2016	<20.0 J	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.501	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.502	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/16/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-21	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.13 J	<5.0	--	--	--	<1.0
	6/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.25 J	<5.0	--	--	--	<1.0
	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.22 J	<5.0	--	--	--	<1.0
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.14 J	<5.0	<1.0	<1.0	<5.0	<1.0
	12/13/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.12 J	<5.0	<1.0	<1.0	<5.0	<1.0
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.18 J	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/18/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/12/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/11/2014	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/30/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
12/6/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
ROD Cleanup Level ^{5.}		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ^{6.}		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date																				
		Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
AREA 1																					
MW-21 (continued)	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/18/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/18/2018 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/10/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-22	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	12/14/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/13/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/7/2016	<20.0 J	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/20/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
11/30/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-27	8/19/2009	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.32 J	<10	--	--	--	<2.0
	6/2/2010	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.34 J	<10	--	--	--	<2.0
	11/30/2010	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.24 J	<10	--	--	--	<2.0
	6/1/2011	<50	<0.40	<1.0	<2.0	<1.0	<2.0	<10.0	<20	<10	<2.0	<2.0	<1.0	<1.0	<1.0	0.22 J	<10	<2.0	<2.0	<10	<2.0
	12/13/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.19 J	<5.0	<1.0	<1.0	<5.0	<1.0
	12/13/2011 DUP	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.18 J	<5.0	<1.0	<1.0	<5.0	<1.0
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.27 J	<0.12	<0.09	<0.12	<1.0	<1.0
	3/26/2012 DUP	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.28 J	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/18/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/12/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/11/2014	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
		AREA 1																			
MW-27 (continued)	6/30/2015	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0
	6/30/2015 DUP	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/6/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
6/21/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-36	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.51	0.35 J	<5.0	--	--	--	<1.0
	3/16/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.27 J	0.28 J	<5.0	--	--	--	<1.0
	6/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.17 J	<5.0	--	--	--	<1.0
	6/2/2010 DUP	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.20 J	<5.0	--	--	--	<1.0
	8/31/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.26 J	0.35 J	<5.0	--	--	--	<1.0
	8/31/2010 DUP	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.23 J	0.32 J	<5.0	--	--	--	<1.0
	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	0.18 J	0.28 J	<5.0	--	--	--	<1.0
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.13 J	<5.0	<1.0	<1.0	<5.0	<1.0
	9/15/2011	<50	<0.40	<1.0	<2.0	<1.0	<2.0	<10.0	<20.0	<10.0	<2.0	<2.0	<1.0	<1.0	<1.0	0.54	<10.0	<2.0	<2.0	<10.0	<2.0
	12/14/2011	<125	<1.0	<2.5	<5.0	<2.5	<5.0	<25.0	<50.0	<25.0	<5.0	<5.0	<2.5	<2.5	<2.5	0.55 J	<25.0	<5.0	<5.0	<25.0	<5.0
	3/30/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.14 J	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	9/28/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	3/22/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/19/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	9/9/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<1.00	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/9/2013 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<1.00	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
12/13/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<1.00	<5.00	<1.0	<5.00	<1.00	<1.00	<5.00	<1.00	
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
		AREA 1																			
MW-36 (continued)	3/24/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<1.00	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/11/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<1.00	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/19/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	0.630 J	<5.00	<1.00	<1.00	<5.00	<1.00
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/9/2015 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/9/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/30/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/16/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	0.660 J	<5.00	<1.00	<1.00	<5.00	<1.00
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/26/2016	<20.1	<0.200	<0.500	<1.00	<1.00	<1.00	<5.01	<10.1	<1.00	<1.00	<1.00	<1.00	<0.501	<5.01	<1.01	<5.01	<1.00	<1.00	<5.01	<1.01
	12/6/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/22/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/20/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/14/2018	<20.0	<0.100	<0.250	<0.500	<0.500	1.49 R	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	<0.500
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/5/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/5/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/17/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/3/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/21/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/2/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-37	9/18/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<5.0	--	--	--	--	--
	12/31/1998	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	5/26/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	8/19/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	12/22/1999	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	4/26/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	10/25/2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--
	2/7/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	12/5/2001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
AREA 1																					
MW-37 (continued)	4/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	11/14/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	11/18/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	4/12/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	8/31/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	11/29/2004	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	2/8/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	5/19/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	8/24/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	11/7/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	2/20/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	5/16/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	8/8/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--
	11/7/2006	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	2/15/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	5/23/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.50	--	--	--	--	--
	8/21/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	--	--	--
	11/7/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	--	--	--	--	--
2/12/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.0	--	--	--	--	--	
MW-38	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.22 J	<5.0	--	--	--	<1.0
MW-39	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	6/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.18 J	<5.0	--	--	--	<1.0
	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0
	12/13/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0
	3/27/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/3/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/18/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/13/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/11/2014	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0
	12/17/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	7/6/2015	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/6/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/26/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date																					
		Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 1																						
MW-39 (continued)	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-41	12/1/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/14/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/16/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/23/2014	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	
	12/17/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/7/2016	<20.0 J	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/20/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-42	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/14/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/17/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/7/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/20/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
11/30/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
MW-43	11/29/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/13/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/17/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/25/2014	<20.0	<0.250	<0.50	<																	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
		AREA 1																			
MW-43 (continued)	7/6/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/16/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/16/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/23/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/27/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/9/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00 J	<1.00	<1.00	<5.00	<1.00
	3/23/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00 J	<1.00	<1.00	<5.00	<1.00
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/21/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/13/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/15/2018	<20.0	<0.100	<0.250	<0.500	<0.500	<0.500	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	<0.500
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/4/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/6/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/6/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00 Q-54	<1.00	<1.00	<5.00	<1.00
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/19/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	1/14/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
3/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/8/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
9/21/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
11/30/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
3/1/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/21/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-44	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	8/19/2009 DUP	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	12/7/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	12/13/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	1																				

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 1																						
MW-44 (continued)	3/16/2015	<20	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/26/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/14/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/16/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/23/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/27/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/9/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/23/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/21/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/15/2018	<20.0	<0.100	<0.250	<0.500	<0.500	<0.500	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	<0.500
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/4/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/6/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/8/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/21/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
11/30/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
3/1/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
MW-45	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
MW-49	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.12 J	<5.0	--	--	--	<1.0	
	6/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.23 J	<5.0	--	--	--	<1.0	
	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.15 J	<5.0	--	--	--	<1.0	
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/13/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.12 J	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/27/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	0.063 J	<0.11	<0.09	<0.12	<0.09	<0.10	0.13 J	<0.12	<0.09	<0.12	<1.0	<1.0	
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/18/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/12/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/11/2014	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/17/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date																					
		Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 1																						
MW-49 (continued)	6/30/2015	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/6/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/27/2017 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
MW-50	11/29/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	11/29/2010 DUP	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/13/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	0.12 J	<0.09	<0.12	<1.0	<1.0	
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/17/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/23/2014	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	
	12/16/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/9/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	11/30/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-51	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/7/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	3/16/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	6/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	8/31/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.11 J	<5.0	--	--	--	<1.0	
	8/31/2010 DUP	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.11 J	<5.0	--	--	--	<1.0	
	11/29/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	9/15/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/13/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
		AREA 1																				
MW-51 (continued)	9/28/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/22/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/18/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	9/9/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/11/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<0.500	<1.0	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/24/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/19/2014	<20.0	<0.250	<0.250	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/23/2014	<20	<0.25	<0.5	<1	<1	<1	<5	<10	<1	<1	<1	<0.5	<0.5	<5	<1	<5	<1	<1	<5	<1	
	3/15/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/26/2015	<20.0	<0.250	<0.250	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/15/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/16/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/23/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/27/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/9/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/23/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/21/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/15/2018	<20.0	<0.100	<0.250	<0.500	<0.500	<0.500	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	<0.500	
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/4/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/6/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/9/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/10/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
3/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
3/9/2021 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 1																						
MW-51 (continued)	6/8/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/8/2021 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/21/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	11/30/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	11/30/2021 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/1/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/1/2022 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/21/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/21/2022 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
MW-52	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/7/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.14 J	<5.0	--	--	--	<1.0	
	3/16/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.14 J	<5.0	--	--	--	<1.0	
	3/16/2010 DUP	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	<1.0	<10.0	--	--	--	<2.0	
	6/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.13 J	<5.0	--	--	--	<1.0	
	8/31/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	0.20 J	<5.0	--	--	--	<1.0	
	12/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	6/2/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	0.11 J	<5.0	<1.0	<1.0	<5.0	<1.0	
	9/15/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	0.12 J	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/13/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	0.11 J	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/29/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.10 J	<0.12	<0.09	<0.12	<1.0	<1.0	
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	9/28/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/22/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/18/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	9/9/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/12/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.0	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/24/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<0.100	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<0.100	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/19/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/15/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/30/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/14/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	10/4/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/6/2016	<20.0 J	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/23/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/20/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 1																						
MW-52 (continued)	3/14/2018	<20.0	<0.100	<0.250	<0.500	<0.500	<0.500	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	<0.500	
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/4/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/18/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/5/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/19/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/10/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/10/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/17/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/17/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/10/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/10/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/1/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
6/10/2021 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/23/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
3/2/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
6/21/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
MW-53	12/7/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/7/2009 DUP	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	12/13/2011	<25	<0.200	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/27/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0	
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/12/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/15/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/6/2016	<20.0 J	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0 J	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/18/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1																

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
		AREA 1																				
MW-62	1/20/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/22/2016 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/27/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/27/2016 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/7/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/23/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/26/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/20/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/14/2018	<10.0	<0.100	<0.250	<0.500	<0.500	3.25 R	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	2.06 R	
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/5/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/5/2018 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/6/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/6/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/17/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/10/2020	20.1	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/8/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/21/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
9/21/2021 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/2/201	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/2/2021 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
3/2/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
MW-70	8/19/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	3/16/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	6/2/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	8/31/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	11/30/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0	
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.12 J	<5.0	<1.0	<1.0	<5.0	<1.0	
	9/15/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/14/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0	
3/27/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	<0.10	<0.12	<0.09	<0.12	<1.0	<1.0		
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date																				
		Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
AREA 1																					
MW-70 (continued)	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	9/28/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	3/22/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/18/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	9/9/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/13/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.0	<5.00	<1.00	<1.00	<5.00	<1.00
	3/24/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/11/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<0.100	<5.00	<1.00	<1.00	<5.00	<1.00
	9/19/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/15/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/30/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/14/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/17/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/27/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/6/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/23/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/20/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/15/2018	<20.0	<0.100	<0.250	<0.500	0.672 R, J	6.18 R	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<2.50	4.34 R
	6/28/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/5/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/6/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/17/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/2/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/2/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
3/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/9/2021	25.8	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
9/21/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
3/1/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/21/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
AREA 1																					
MW-71	6/2/2010	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.24 J	<10	--	--	--	<2.0
	11/30/2010	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.56 J	<10	--	--	--	<2.0
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.20	<5.0	<1.0	<1.0	<5.0	<1.0
	12/14/2011	<50	<0.40	<1.0	<2.0	<1.0	<2.0	<10.0	<20	<10	<2.0	<2.0	<1.0	<1.0	<1.0	0.30 J	<10	<2.0	<2.0	<10	<2.0
	3/26/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.17 J	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/18/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/12/2013	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	6/11/2014	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0
	7/6/2015	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.00	<5.0	<1.0	<1.0	<5.0	<1.0
	12/17/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/6/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/19/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
WEX-60	12/8/2009	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	<1.0
	3/16/2010	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.26 J	<10.0	--	--	--	<2.0
	6/2/2010	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.22 J	<10.0	--	--	--	<2.0
	8/31/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	0.19 J	<0.50	0.20 J	<5.0	--	--	--	<1.0
	11/31/2010	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.22 J	<10.0	--	--	--	<2.0
	11/31/2010 DUP	--	--	<1.0	--	<1.0	<2.0	<10.0	--	--	--	--	<1.0	<1.0	<1.0	0.26 J	<10.0	--	--	--	<2.0
	6/1/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	0.14 J	<0.50	0.09 J	<5.0	<1.0	<1.0	<5.0	<1.0
	6/1/2011 DUP	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.11 J	<5.0	<1.0	<1.0	<5.0	<1.0
	9/15/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.11 J	<5.0	<1.0	<1.0	<5.0	<1.0
	9/15/2011 DUP	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.10 J	<5.0	<1.0	<1.0	<5.0	<1.0
	12/13/2011	<25	<0.20	<0.50	<1.0	<0.50	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<0.50	<0.50	<0.50	0.14 J	<5.0	<1.0	<1.0	<5.0	<1.0
	3/29/2012	<1.0	<0.06	<0.14	<0.50	<0.08	<1.0	<0.13	<1.0	<0.060	<0.11	<0.09	<0.12	<0.09	<0.10	0.12 J	<0.12	<0.09	<0.12	<1.0	<1.0
	7/5/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	7/5/2012 DUP	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	9/28/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	9/28/2012 DUP	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 1																						
WEX-60 (continued)	12/4/2012	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/4/2012 DUP	<20.0	<0.250	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/22/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/22/2013 DUP	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/18/2013	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/18/2013 DUP	<20.0	<0.25	<0.50	<1.0	<1.0	<1.0	<5.0	<10.0	<1.0	<1.0	<1.0	<0.50	<0.50	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	9/9/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/11/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.0	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/12/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.0	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/24/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<0.100	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/24/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<0.100	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<0.100	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<0.100	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2014 DUP	<20.0	<0.250	<0.50	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	10/29/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	10/29/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/18/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/18/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/15/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/30/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/30/2015 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/30/2015 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/14/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	1/20/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/22/2016 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/22/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/7/2016 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/22/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/22/2017 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
6/29/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/20/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/20/2017 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/12/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/12/2017 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
AREA 1																					
WEX-60 (continued)	3/14/2018	<10.0	<0.100	<0.250	<0.500	0.852 R J	6.71 R	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	4.74 R
	3/14/2018 DUP	<10.0	<0.100	<0.250	<0.500	<0.500	<0.500	<5.00	<5.00	<0.500	<0.500	<0.500	<0.500	<0.250	<5.00	<0.500	<2.50	<0.500	<0.500	<2.50	<0.500
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/4/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/6/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/21/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/3/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/3/2020 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/9/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
6/11/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
9/22/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
3/2/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-90	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	2.11	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/17/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/8/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/22/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
3/2/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-91	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	7/2/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/17/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/1/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/11/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/23/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<2.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/2/2021	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/3/2022	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date																					
		Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 1																						
MW-103	1/29/2021	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/9/2021	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/8/2021	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/21/2021	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	11/30/2021	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/1/2022	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/21/2022	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/21/2022	--	--	--	<1.00	<1.00	--	--	--	--	--	--	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
AREA 2																						
MW-17	6/3/2010	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/3/2010 DUP	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/1/2010	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/1/2010 DUP	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/2/2011	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/14/2011	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/14/2011 DUP	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/27/2012	<1.0	<0.06	<0.14	<0.5	<0.08	<1.0	<0.13	<1.0	<0.06	<0.11	<0.09	<0.12	<0.09	<0.1	<0.1	<0.12	<0.09	<0.12	<1.0	<0.11	
	3/27/2012 DUP	<1.0	<0.06	<0.14	<0.5	<0.08	<1.0	<0.13	<1.0	0.098 J	<0.11	<0.09	<0.12	<0.09	<0.1	<0.1	<0.12	<0.09	<0.12	<1.0	<0.11	
	7/6/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/5/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/19/2013	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	6/19/2013 DUP	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/16/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/16/2013 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/22/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/22/2014 DUP	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	7/6/2015	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/17/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/17/2015 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/22/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/22/2016 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/9/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/9/2016 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/28/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/13/2017 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
3/6/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
6/19/2019	21.4	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/16/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
12/16/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
6/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
9/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00		
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
		AREA 2																			
MW-17 (continued)	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/16/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/16/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-31	8/20/2009	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	8/20/2009 DUP	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	1/21/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-66	12/7/2009	--	--	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	--
	1/21/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-81	12/8/2009	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0
	12/8/2009 DUP	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	7.03	<1.0	<5.0	<1.0	<1.0	<5.0
MW-82	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/17/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-83	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	7/2/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-84	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/16/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-85	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	7/2/2019 DUP	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
ROD Cleanup Level ⁵		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
JSCS SLV ⁶		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date																					
		Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane	
		Concentrations in µg/L (ppb)																				
AREA 2																						
MW-92	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/12/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
SMW-12	12/1/2010	--	--	<0.50	--	<0.50	<1.0	<5.0	--	--	--	--	<0.50	<0.5	<0.50	<0.5	<5.0	--	--	--	<1.0	
	12/15/2011	<25	<0.2	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	3/27/2012	<1.0	<0.06	<0.14	<0.5	<0.08	<1.0	<0.13	<1.0	<0.06	<0.11	<0.09	<0.12	<0.09	<0.1	<0.1	<0.12	<0.09	<0.12	<1.0	<0.11	
	7/6/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	7/6/2012 DUP	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/5/2012	<20	<0.25	<0.5	<1.0	<1.0	<1.0	<5.0	<10	<1.0	<1.0	<1.0	<0.5	<0.5	<5.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
	12/16/2013	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/22/2014	<20.0	<0.250	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<0.500	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/17/2015	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	1.35	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/9/2016	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/13/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
SMW-14	12/7/2009	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
SMW-18	12/7/2009	<25.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<5.0	<1.0	<1.0	<1.0	<1.0	2.86	<1.0	<5.0	<1.0	<1.0	<5.0	<1.0	
SCHNITZER ASD YARD																						
MW-10	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/18/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/4/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-14	1/21/2019	<20.0	0.242	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	18.9	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/5/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	14.5	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/20/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	9.42	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/11/2019	23.8	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	12/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	4.33	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	6/10/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
	9/9/2020	53.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	13.9	<1.00	<1.00	<1.00	<1.00	3.08	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00	
MW-73	Well decommissioned in January 2022																					
	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/18/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/5/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-74	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/5/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
ROD Cleanup Level ⁵ .		NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	
JSCS SLV ⁶ .		1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone (MEK)	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	2-Chlorotoluene	4-Chlorotoluene	1,2-Dibromo-3-chloropropane	Dibromochloromethane
		Concentrations in µg/L (ppb)																			
SCHNITZER ASD YARD																					
MW-76	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/5/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-77	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/19/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/4/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-79	12/14/2017	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/27/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/18/2018	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/4/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-86	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	1.42	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/13/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/12/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-87	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/12/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-88	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/11/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/13/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/12/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
MW-89	7/2/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/10/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	12/16/2019	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	3/18/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<2.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	6/11/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	9/9/2020	<20.0	<0.200	<0.500	<1.00	<1.00	<1.00	<5.00	<10.0	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<1.00	<5.00	<1.00	<1.00	<5.00	<1.00
	ROD Cleanup Level ⁵	NA	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
	JCSL SLV ⁶	1,500	1.2	NA	NA	1.1	8.5	8.7	7,100	NA	NA	NA	0.51	50	23	0.17	2.1	NA	NA	NA	0.79

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-19	12/1/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.12 J	<0.50	0.30 J	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/14/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	0.48 J	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/30/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	0.11 J	<0.07	<0.15	0.32 J	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/12/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	0.30	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/7/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0 J	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0 J	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/16/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
12/2/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-21	8/19/2009	<0.50	<0.50	0.25 J	<0.50	<0.50	<5.0	18.5	<0.50	6.99	0.37 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/2/2010	<0.50	<0.50	0.42 J	<0.50	<0.50	<5.0	24.2	<0.50	25.6	0.14 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	11/30/2010	<0.50	<0.50	0.44 J	<0.50	<0.50	<5.0	20.4	<0.50	23.9	0.20 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/1/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	18.0	<0.50	13.3	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	0.23 J	<10.0	<2.0	<2.0
	12/13/2011	<0.50	<0.50	0.50	<0.50	<0.50	<5.0	10.7	<0.50	7.42	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	3/26/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	21.0	<0.07	18.0	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	13.3	<0.50	11.2	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	30.6	<0.50	29.1	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	13.6	<0.50	11.9	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/12/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	5.88	<0.50	2.07	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/11/2014	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	18.3	<0.50	12.9	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	14.5	<0.500	10.1	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/30/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.99	<0.500	0.890	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	15.9	<0.500	12.0	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	10.6	<0.500	6.72	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
12/6/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	10.8	<0.500	8.58	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
ROD Cleanup Level ^{5.}		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JSCS SLV ^{6.}		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	
		Concentrations in µg/L (ppb)																						
AREA 1																								
MW-21 (continued)	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	7.69	<0.500	5.28	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.11	<0.400	1.60	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/28/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.6	<0.400	1.05	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/18/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.839	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/18/2018 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.848	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.10	<0.400	2.29	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.730	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/10/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.750	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.42	<0.400	2.07	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/1/2020	<1.00	<1.00	<0.500	<0.500	<0.500	<1.00	0.694	<0.400	0.402	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/10/2021	<1.00	<1.00	<0.500	<0.500	<0.500	<1.00	0.780	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/2/2021	<1.00	<1.00	<0.500	<0.500	<0.500	<1.00	0.505	<0.400	0.408	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-22	11/30/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--	
	12/14/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	<0.50	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0	
	3/26/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	<0.09	<0.07	<0.15	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<10.0	<1.0	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	12/13/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/7/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0 J	<1.00	<1.00	
	12/14/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/20/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/2/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
11/30/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00		
MW-27	8/19/2009	<1.0	<1.0	0.20 J	<1.0	<1.0	<10	64.8	1.0	69.9	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	
	6/2/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<10	68.2	1.2	79.6	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	
	11/30/2010	<1.0	<1.0	0.14 J	<1.0	<1.0	<10	47.6	0.8 J	51.8	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--	
	6/1/2011	<1.0	<1.0	0.22 J	<1.0	<1.0	<10	45.1	0.68 J	55.1	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<8.0	<20	<4.0	<4.0	
	12/13/2011	<0.50	<0.50	0.27 J	<0.50	<0.50	<5.0	27.0	<0.50	33.0	0.16 J	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	
	12/13/2011 DUP	<0.50	<0.50	0.31 J	<0.50	<0.50	<5.0	25.6	<0.50	29.7	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0	
	3/26/2012	<1.0	<0.50	0.32 J	<0.11	<0.09	<0.08	42.0	0.55 J	57	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	
	3/26/2012 DUP	<1.0	<0.50	0.32 J	<0.11	<0.09	<0.08	42.0	0.52 J	59	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08	
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	28.8	<0.50	41.6	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	41.5	<0.50	53.8	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	18.1	<0.50	22.5	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	12/12/2013	<0.50	<1.0	<0.50	&																			

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-27 (continued)	6/30/2015	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	8.90	<0.50	5.80	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/30/2015 DUP	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	8.95	<0.50	5.70	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	26.6	0.280 J	47.9	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/21/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	9.54	<0.500	9.88	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/6/2016	<0.500	<1.00	0.264 J	<0.500	<0.500	<1.00 J	23.8	<0.500	32.9	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	0.50	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	6.47	<0.400	8.05	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/28/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	5.00	<0.400	7.27	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	10.9	<0.400	18.2	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	7.10	<0.400	11.2	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.94	<0.400	7.02	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	13.4	<0.400	23.3	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	6.36	<0.400	10.9	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	11.1	<0.400	18.6	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/201	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.67	<0.400	6.51	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/21/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	5.29	<0.400	7.80	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-36	8/19/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	87.2	<0.50	90.3	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	3/16/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	85.3	<0.50	81.6	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/2/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	56	<0.50	58.8	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/2/2010 DUP	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	56	<0.50	59.2	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	8/31/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	77.5	<0.50	71.8	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	8/31/2010 DUP	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	74.8	<0.50	68.4	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	11/30/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	77.4	<0.50	66.2	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/1/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	27.2	<0.50	26.4	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	9/15/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	47.8	<1.0	172	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<8.0	<20	<4.0	<4.0
	12/14/2011	<2.5	<2.5	<2.5	<2.5	<2.5	<25.0	43.0	<2.5	133	<2.5	<2.5	<2.5	<5.0	<5.0	<5.0	<2.5	<2.5	<5.0	<20.0	<50.0	<10.0	<10.0
	3/30/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	33.0	<0.07	33.0	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	11.3	<0.50	16.2	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	9/28/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	44.4	<0.50	185.0	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	13.4	<0.50	33.9	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	3/22/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	3.1	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/19/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	9/9/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/9/2013 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	21.9	<0.500	106	<0.50	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
ROD Cleanup Level ⁵ .		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JSCS SLV ⁶ .		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	
		Concentrations in µg/L (ppb)																						
AREA 1																								
MW-36 (continued)	3/24/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/11/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/19/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	32.0	<0.500	169	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/9/2015 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	24.1	<0.500	97	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/9/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	25.3	<0.500	103	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/30/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/16/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	34.5	<0.500	160	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/21/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/26/2016	<0.501	<1.01	<0.500	<0.500	<0.500	<1.01	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/6/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	26.4	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/22/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/20/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.66	<0.400	7.74	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/14/2018	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<10.0	<0.500	<0.500
	6/28/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/5/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	35.9	<0.400	172	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	5.88	<0.400	29.0	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	13.9	<0.400	77.3	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/17/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	33.6	<0.400	195	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/3/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.67	<0.400	24.8	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/9/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
6/9/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00		
9/21/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	8.66	<0.400	63.1	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00		
12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.673	<0.400	4.36	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00		
3/2/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	10.2	<0.400	63.0	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00		
6/21/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00		
MW-37	9/18/1998	--	--	--	--	--	--	1.14	<5.0	1.41	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/31/1998	--	--	--	--	--	--	2.17	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	5/26/1999	--	--	--	--	--	--	1.36	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/19/1999	--	--	--	--	--	--	1.21	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/22/1999	--	--	--	--	--	--	0.612	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/26/2000	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/25/2000	--	--	--	--	--	--	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	
	2/7/2001	--	--	0.565	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/5/2001	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--	
ROD Cleanup Level ⁵		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA	
JSCS SLV ⁶		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-37 (continued)	4/9/2002	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/14/2002	--	--	--	--	--	--	0.590	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/18/2003	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/2004	--	--	--	--	--	--	<0.50	<0.50	0.900	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/31/2004	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/29/2004	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/8/2005	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/2005	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/2005	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/7/2005	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/20/2006	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/16/2006	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/8/2006	--	--	--	--	--	--	69.0	<1.0	73.8	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/7/2006	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/15/2007	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/23/2007	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/21/2007	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/7/2007	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/12/2008	--	--	--	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-38	8/19/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	39.2	0.2 J	50.1	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
MW-39	8/19/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	6.05	<0.50	5.02	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/2/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	22.3	<0.50	29.4	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	11/30/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	9.51	<0.50	11.2	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/1/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	0.9	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	12/13/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	4.76	<0.50	3.56	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	3/27/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	0.53 J	<0.07	0.47 J	0.23 J	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	0.87	<0.50	0.77	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/3/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	1.10	<0.50	0.79	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	1.68	<0.50	1.71	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/13/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	3.28	<0.50	3.04	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/11/2014	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	1.81	<0.50	1.90	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/17/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	8.84	<0.500	6.21	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	7/6/2015	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.500	<0.500	<0.500	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.35	<0.500	1.79	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/21/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/6/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/26/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 Q-31	3.24	<0.500	2.64	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	6.26	<0.400	4.43	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.39	<0.400	1.18	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.760	<0.400	0.490	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
ROD Cleanup Level ⁵		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JSCS SLV ⁶		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-39 (continued)	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.43	<0.400	1.05	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.03	<0.400	3.04	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.38	<0.400	2.52	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.04	<0.400	1.61	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.94	<0.400	1.22	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/21/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.510	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-41	12/1/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.58	<0.50	1.14	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/14/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	0.21 J	<0.5	<0.50	<0.50	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/26/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	<0.09	<0.07	<0.15	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/16/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/23/2014	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/17/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/7/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0 J	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/20/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-42	11/30/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	6.12	<0.50	8.31	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/14/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	1.66	<0.5	3.71	<0.50	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/26/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	0.79 J	<0.07	0.78 J	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/17/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.65	<0.500	3.52	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.39	<0.500	4.27	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/7/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	1.83	<0.500	3.46	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/14/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.22	<0.400	3.11	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/20/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.635	<0.500	1.21	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.500	<0.400	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.500	0.540	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
11/30/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-43	11/29/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.65	<0.50	0.35 J	0.78	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/13/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	0.68	<0.5	0.54	0.52	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/26/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	0.28 J	<0.07	0.25 J	0.85 J	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	0.56	<0.50	0.52	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/17/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	3/25/2014	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.500	<0.50	<0.500	<0.500	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/11/2014	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.500	<0.50	<0.500	<0.500	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	9/19/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.440 J	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.0	<10.0	<1.0	<1.0
	12/23/2014	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<5	<10	<1	<1
	3/16/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.27	<0.500	<0.500	0.53	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10	<1.00	<1.00
ROD Cleanup Level ⁵		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JSCS SLV ⁶		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-43 (continued)	7/6/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.81	<0.500	1.82	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10	<1.00	<1.00
	9/16/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.45	<0.500	0.360	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10	<1.00	<1.00
	12/16/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	5.59	<0.500	1.85	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/21/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/23/2016	<0.500	<1.00	<0.500	0.28	<0.500	<1.00	0.76	<0.500	0.26	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/27/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	5.23	<0.500	1.21	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/9/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.87	<0.500	0.980	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0 J	<1.00	<1.00
	3/23/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0 J	<1.00	<1.00
	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.400 J	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/21/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.08	<0.500	1.35	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.94	<0.400	1.56	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/15/2018	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	0.550	<0.200	<0.200	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<10.0	<0.500	<0.500
	6/28/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/4/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.81	<0.400	1.57	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	9.02	<0.400	1.28	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.67	<0.400	0.890	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.27	<0.400	0.710	<0.400	<0.400	<0.500	<1.00	<1.00 Q-54	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.536	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.580	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.71	<0.400	0.560	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.73	<0.400	0.560	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	1/14/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.95	<0.400	0.730	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.730	<0.400	5.87	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.990	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
3/9/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
6/8/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
9/21/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	1.77	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
11/30/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.08	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
3/1/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
6/21/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00							

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

[illegible]

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-49 (continued)	6/30/2015	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	6.60	<0.500	3.52	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	28.2	<0.500	9.67	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.28	<0.500	5.44	0.71	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/6/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.723	<0.500	0.585	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2017 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-50	11/29/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.18 J	<0.50	<0.50	1.33	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	11/29/2010 DUP	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.17 J	<0.50	<0.50	1.39	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/13/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	1.14	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/26/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	0.52 J	<0.07	0.33 J	0.59 J	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	0.94	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/17/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/23/2014	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	0.450 J	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<5	<10	<1	<1
	12/16/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.74	<0.500	0.62	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/9/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	0.972	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.852	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
11/30/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-51	8/19/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	14.5	<0.50	14.1	0.09 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/7/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.77	<0.50	3.05	0.22 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	3/16/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.74	<0.50	2.94	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/2/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	16.0	<0.50	19.1	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	8/31/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	17.5	<0.50	19.1	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	8/31/2010 DUP	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	17.9	<0.50	20.2	<0.50	<0											

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-51 (continued)	9/28/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	1.26	<0.50	2.20	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	1.12	<0.50	0.70	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	3/22/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	3.48	<0.50	2.43	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	2.29	<0.50	2.14	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	9/9/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.32	<0.500	2.48	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	12/11/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.77	<0.50	1.12	<0.50	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	3/24/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.650	<0.50	0.740	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	6/11/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.87	<0.50	1.61	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	9/19/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.70	<0.500	1.63	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/23/2014	<0.5	<1	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<0.5	<5	<10	<1	<1
	3/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.39	<0.500	2.23	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/26/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.49	<0.500	2.44	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	14.6	<0.500	6.09	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/16/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/21/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/23/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	33.9	<0.500	12.8	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/27/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	23.2	<0.500	9.77	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/9/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	21.0	<0.500	7.94	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/23/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	29.5	<0.500	11.0	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	28.1	<0.500	14.0	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/21/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.19	<0.500	0.64	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/15/2018	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<10.0	<0.500	<0.500
	6/28/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	31.4	<0.400	11.7	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/4/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	29.4	<0.400	7.90	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.39	<0.400	1.14	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	14.0	<0.400	3.17	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	20.3	<0.400	6.06	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	14.9	<0.400	4.31	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	15.7	<0.400	4.70	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	8.46	<0.400	2.40	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
6/9/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	7.92	<0.400	2.28	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	22.7	<0.400	5.92	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
9/10/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	23.7	<0.400	6.32	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00		

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-51 (continued)	6/8/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	14.0	<0.400	6.07	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/8/2021 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	13.3	<0.400	5.94	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/21/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.05	<0.400	1.12	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	11/30/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.97	<0.400	1.49	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	11/30/2021 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.66	<0.400	1.43	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/1/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.21	<0.400	1.03	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/1/2022 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.04	<0.400	0.990	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/21/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.60	<0.400	2.08	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
6/21/2022 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.66	<0.400	2.09	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-52	8/19/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	12.3	<0.50	28.0	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/7/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	26.3	0.23 J	57.9	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	3/16/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	26.1	<0.50	57.6	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	3/16/2010 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	25.4	<1.0	56.2	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--
	6/2/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	24.3	<0.50	53.8	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	8/31/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	22.9	<0.50	59.1	0.13 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/2/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	12.7	0.10 J	24.6	0.13 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	6/2/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	16.1	<0.5	31.2	0.11 J	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	9/15/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	13.8	<0.5	41.1	<0.50	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	12/13/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	12.4	<0.5	30.7	<0.50	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/29/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	11.0	<0.07	23.0	0.20 J	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	9.51	<0.50	22.2	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	9/28/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	0.64	<0.50	0.72	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	7.47	<0.50	18.8	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	3/22/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	0.64	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	2.00	<0.50	4.69	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	9/9/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.620	<0.500	0.780	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	12/12/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.92	<0.500	7.53	<0.50	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	3/24/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.75	<0.500	8.43	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	6/11/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.92	<0.500	4.44	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	9/19/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.420 J	<0.500	0.370 J	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	9.37	<0.500	47.7	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.22	<0.500	5.01	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/30/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.900	<0.500	4.54	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/14/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.330 J	<0.500	0.300 J	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<	

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-52 (continued)	3/14/2018	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	<0.200	<0.200	<0.200	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<10.0	<0.500	<0.500
	6/28/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/4/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.57	<0.400	4.00	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.50	<0.400	3.76	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/5/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.98	<0.400	14.7	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	10.2	<0.400	30.9	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	10.2	<0.400	31.8	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.52	<0.400	10.7	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.98	<0.400	11.2	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.29	<0.400	8.67	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/10/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.42	<0.400	12.4	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/17/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.721	<0.400	1.93	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/17/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	0.706	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	7.54	<0.400	22.5	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	8.3	<0.400	24.8	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.44	<0.400	3.68	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.820	<0.400	2.64	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.37 J1	<0.400	13.8 J1	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	6.99 J1	<0.400	20.1 J1	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/10/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.60	<0.400	7.66	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.83	<0.400	11.5	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2021 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.25	<0.400	10.0	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
9/23/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
3/2/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.23	<0.400	13.1	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
6/21/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	6.14	<0.400	17.1	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-53	12/7/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/7/2009 DUP	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/2/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/13/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.50	<0.5	<0.50	<0.50	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/27/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	<0.09	<0.07	<0.15	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/12/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/6/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0 J	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/18/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.500	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
ROD Cleanup Level ⁵ .		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JSCS SLV ⁶ .		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-62	1/20/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.82	<0.500	1.19	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.50	<0.500	1.83	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	33.6	<0.500	7.89	0.250	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/22/2016 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	33.8	<0.500	7.71	0.270	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/27/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	13.3	<0.500	3.49	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/27/2016 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	13.2	<0.500	3.58	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/7/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	7.51	<0.500	2.06	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/23/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/26/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	6.66	<0.500	1.41	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/20/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.35	<0.500	0.574	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.21	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/14/2018	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	1.04	<0.200	0.238 J	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<5.00	<0.500	<0.500
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.52	<0.400	0.578	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/5/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.732	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/5/2018 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.745	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.00	<0.400	0.710	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.48	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.834	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.630	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/17/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.877	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.98	<0.400	0.603	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.25	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.830	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/9/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.680	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/8/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.74	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/21/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
9/21/2021 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/2/201	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.750	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/2/2021 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.874	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
3/2/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.16	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-70	8/19/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	5.9	<0.50	1.81	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	3/16/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	4.8	2.16	1.35	<0.50	<0.50	<0.50	--	--	--	<0.50						

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	
		Concentrations in µg/L (ppb)																						
AREA 1																								
MW-70 (continued)	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	0.98	<0.50	2.42	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	9/28/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	0.76	<0.50	0.79	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	3/22/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	9/9/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	12/13/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.33	<0.500	<0.50	<0.50	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	3/24/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	6/11/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	9/19/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.460 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/30/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00
	9/14/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.310 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/17/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/21/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/27/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/6/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/23/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	1.07	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/20/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/15/2018	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<10.0	<0.500	<0.500
	6/28/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/5/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/17/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
12/2/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/2/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
3/9/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
6/9/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
9/21/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
3/1/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500</					

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-71	6/2/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<10	41.0	1.2	43.3	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--
	11/30/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<10	56.6	1.2	91.2	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--
	6/1/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	8.36	<0.50	4.65	0.10 J	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	12/14/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<10	50.1	0.64 J	73.6	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<1.0	<2.0	<8.0	<20	<4.0	<4.0
	3/26/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	21.0	<0.07	13.0	<0.14	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	9.78	<0.50	6.56	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	43.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	25.9	<0.50	27.1	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/12/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	25.2	<0.50	35.2	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	6/11/2014	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	18.8	<0.50	23.7	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	7/6/2015	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	26.4	<0.50	41.1	<0.500	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	12/17/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	26.2	<0.500	12.3	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/21/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	26.5	0.43	59.4	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/6/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	20.7	<0.500	22.0	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 Q-31	7.23	<0.500	4.40	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	15.7	<0.400	36.8	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	18.4	0.408	53.9	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	5.35	<0.400	9.63	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	5.12	<0.400	9.54	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	16.5	<0.400	35.5	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	8.32	<0.400	20.2	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	3.56	<0.400	2.60	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	7.66	<0.400	23.3	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.40	<0.400	4.89	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	4.93	<0.400	16.1	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
WEX-60	12/8/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	3/16/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	47.7	<1.0	67.1	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--
	6/2/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	38.2	<1.0	56.5	<1.0	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--
	8/31/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	37.4	0.26 J	42.6	0.17 J	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	11/31/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	38.6	<1.0	46.9	0.24 J	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--
	11/31/2010 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	38.1	<1.0	46.8	0.24 J	<1.0	<1.0	--	--	--	<1.0	<1.0	--	--	--	--	--
	6/1/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	14.7	<0.50	20.4	0.17 J	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	6/1/2011 DUP	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	2.36	<0.50	6.65	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	9/15/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	20.0	<0.50	24.4	0.18 J	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	9/15/2011 DUP	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	19.7	<0.50	24.8	0.21 J	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	12/13/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	26.6	<0.50	34.6	0.20 J	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<4.0	<10.0	<2.0	<2.0
	3/29/2012	<1.0	<0.50	<0.13	<0.11	<0.09	<0.08	18.0	<0.07	23.0	0.17 J	<0.10	<0.14	<0.10	<0.09	<0.09	<0.10	<0.09	<0.08	<1.0	<5.0	<0.09	<0.08
	7/5/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	9.92	<0.50	17.6	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	7/5/2012 DUP	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	9.64	<0.50	16.4	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0
	9/28/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	21.8	<0.50	24.1	<0.50	<0.50	<0										

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene	
		Concentrations in µg/L (ppb)																						
AREA 1																								
WEX-60 (continued)	12/4/2012	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	22.6	<0.50	21.5	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	12/4/2012 DUP	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	23.2	<0.50	19.6	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	3/22/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	18.8	<0.50	21.9	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	3/22/2013 DUP	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	18.9	<0.50	22.1	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	6/18/2013	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	14.2	<0.50	18.2	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	6/18/2013 DUP	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	14.4	<0.50	18.7	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<5.0	<10.0	<1.0	<1.0	
	9/9/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	21.3	<0.500	22.6	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	12/11/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	19.8	<0.50	19.7	<0.50	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	12/12/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	20.2	<0.50	20.2	<0.50	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	3/24/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	15.2	<0.50	17.3	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	3/24/2014 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	15.7	<0.50	18.0	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	6/11/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	11.1	<0.50	15.6	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	6/11/2014 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	12.3	<0.50	19.0	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	6/11/2014 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	15.4	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<0.500	<10.0	<1.00	<1.00	
	10/29/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	18.7	<0.500	11.3	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	10/29/2014 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	16.0	<0.500	9.64	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/18/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.3	<0.500	0.81	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/18/2014 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.39	<0.500	0.96	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/15/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	7.38	<0.500	4.01	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/30/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	14.6	<0.500	6.32	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/30/2015 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	16.3	<0.500	7.03	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/30/2015 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	16.6	<0.500	6.93	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/14/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	9.26	<0.500	5.19	0.270 J	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	1/20/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	3/22/2016 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	6/22/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	9/27/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/7/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/7/2016 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/22/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/22/2017 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/29/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/20/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	9/20/2017 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/12/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
	12/12/2017 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
ROD Cleanup Level ⁵		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA	
JSCS SLV ⁶		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA	

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
WEX-60 (continued)	3/14/2018	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	<0.200	<0.200	<0.200	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<5.00	<0.500	<0.500
	3/14/2018 DUP	<0.250	<0.500	<0.250	<0.250	<0.250	<0.500	<0.200	<0.200	<0.200	<0.200	<0.200	<0.250	<0.500	<0.500	<0.500	<0.500	<0.500	<0.250	<2.50	<5.00	<0.500	<0.500
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/4/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/21/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/3/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/3/2020 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/9/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
6/11/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
9/22/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
3/2/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-90	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/17/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/8/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/22/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
3/2/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
MW-91	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.640	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	7/2/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.700	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/17/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.07	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.79	<0.400	0.484	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/1/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/11/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	2.10	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	1.98	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/23/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	0.550	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/2/2021	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/3/2022	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00</			

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-103	1/29/2021	--	--	<0.500	<0.500	<0.500	<1.00	9.96	<0.400	2.68	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	3/9/2021	--	--	<0.500	<0.500	<0.500	<1.00	8.46	<0.400	2.23	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	6/8/2021	--	--	<0.500	<0.500	<0.500	<1.00	22.6	<0.400	5.79	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	9/21/2021	--	--	<0.500	<0.500	<0.500	<1.00	20.1	<0.400	9.14	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<2.00	--	<5.00	--	--	--
	11/30/2021	--	--	<0.500	<0.500	<0.500	<1.00	13.4	<0.400	3.47	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	3/1/2022	--	--	<0.500	<0.500	<0.500	<1.00	16.5	<0.400	3.74	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
	6/21/2022	--	--	<0.500	<0.500	<0.500	<1.00	1.75	<0.400	0.510	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--
9/21/2022	--	--	<0.500	<0.500	<0.500	<1.00	10.8	<0.400	3.10	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	--	<5.00	--	--	--	
AREA 2																							
MW-17	6/3/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
	6/3/2010 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
	12/1/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
	12/1/2010 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	0.11 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
	6/2/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	12/14/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	12/14/2011 DUP	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/27/2012	<0.13	<0.5	<0.13	<0.11	<0.09	<0.8	<0.09	<0.07	<0.15	<0.14	<0.1	<0.14	<0.1	<0.09	<0.09	<0.01	<0.09	<0.08	<1.0	<5.0	<0.09	--
	3/27/2012 DUP	<0.13	<0.5	<0.13	<0.11	<0.09	<0.8	<0.09	<0.07	<0.15	<0.14	<0.1	<0.14	<0.1	<0.09	<0.09	<0.01	<0.09	<0.08	<1.0	<5.0	<0.09	--
	7/6/2012	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	12/5/2012	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	6/19/2013	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	6/19/2013 DUP	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	12/16/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/16/2013 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2014 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/22/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/22/2014 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	7/6/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/17/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/17/2015 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/22/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/22/2016 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/9/2016	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/9/2016 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00 J	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/28/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2017 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/6/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
6/19/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/16/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
12/16/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
6/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<												

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-17 (continued)	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/16/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/16/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-31	8/20/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
	8/20/2009 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
	1/21/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-66	12/7/2009	--	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	--	--	--
	1/21/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-81	12/8/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	0.15 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
	12/8/2009 DUP	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	0.14 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
MW-82	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/17/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-83	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	7/2/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-84	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/16/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-85	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	7/2/2019 DUP	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
ROD Cleanup Level ⁵ .		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JSCS SLV ⁶ .		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-92	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/12/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
SMW-12	12/1/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.5	<0.5	<0.5	3.57	0.39 J	<0.50	--	--	--	<0.50	<0.50	--	--	--	--	--
	12/15/2011	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	1.00	0.15 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	3/27/2012	<0.13	<0.5	<0.13	<0.11	<0.09	<0.8	<0.09	<0.07	<0.15	6.40	0.47 J	<0.14	<0.1	<0.09	<0.09	<0.01	<0.09	<0.08	<1.0	<5.0	<0.09	--
	7/6/2012	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	3.64	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	7/6/2012 DUP	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	3.72	<0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	12/5/2012	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	9.38	0.86	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.5	<5.0	<10	<1.0	<1.0
	12/16/2013	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	2.46	<0.500	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/22/2014	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	8.04	0.570	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/17/2015	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.500	<0.500	<0.500	6.86	0.578	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/9/2016	<0.500	<1.00	<0.500	<0.500	<0.500 J	<1.00	<0.500	<0.500	<0.500	4.63	0.302 J	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
12/13/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	2.31	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00	
SMW-14	12/7/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
SMW-18	12/7/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<10.0	<2.0	<2.0
SCHNITZER ASD YARD																							
MW-10	12/14/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/18/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/4/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-14	1/21/2019	<0.500	<1.00	<0.500	<0.500	0.866	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/5/2019	<0.500	<1.00	<0.500	<0.500	1.13	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/20/2019	<0.500	<1.00	<0.500	<0.500	0.686	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/10/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-73	Well decommissioned in January 2022																						
	12/14/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/18/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<					

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1,2-Dibromoethane (EDB)	Dibromomethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane (EDC)	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Hexachlorobutadiene	2-Hexanone	Isopropylbenzene	4-Isopropyltoluene
		Concentrations in µg/L (ppb)																					
		SCHNITZER ASD YARD																					
MW-76	12/14/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/5/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-77	12/14/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/19/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/4/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-79	12/14/2017	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/27/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/18/2018	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/4/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-86	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/12/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-87	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/12/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-88	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/13/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/12/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
MW-89	7/2/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/10/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	12/16/2019	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	3/18/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<1.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	6/11/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
	9/9/2020	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<0.400	<0.400	<0.400	<0.400	<0.400	<0.500	<1.00	<1.00	<1.00	<2.00	<1.00	<0.500	<5.00	<10.0	<1.00	<1.00
ROD Cleanup Level ⁵		NA	NA	NA	NA	NA	NA	NA	NA	7	70	NA	NA	NA	NA	NA	NA	NA	7.3	NA	NA	NA	NA
JCSL SLV ⁶		0.033	61	49	14	2.8	390	47	0.73	NA	61	110	0.97	NA	NA	NA	0.055	0.055	7.3	0.86	99	660	NA

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-19	12/1/2010	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	0.11 J	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	0.14 J	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/30/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	0.20 J	<0.09	<1.0	<0.14	<0.10	<0.50	0.14 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/18/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.50	<1.00	<2.00	<2.00	<0.50	<0.500	0.290 J	<2.00	<1.00	<1.00	<1.00	<0.500	<1.0	<0.50
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/7/2016	<10.0 J	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/16/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/2/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
MW-21	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	4.03	--	--	--	7.07	<0.50	0.910	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	4.67	--	--	--	26.6	<0.50	0.520	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	--	--	<5.0	--	--	--	<0.50	<0.50	3.56	--	--	--	24.1	<0.50	0.47 J	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	2.53	<1.0	<1.0	<1.0	31.1	<0.50	0.49 J	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	2.80	<1.0	<1.0	<1.0	6.75	<0.50	0.580	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/26/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	2.90	<0.09	<1.0	<0.14	25.0	<0.50	0.42 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.21	<1.0	<2.0	<2.0	16.0	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	3.03	<1.0	<2.0	<2.0	27.0	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.38	<1.0	<2.0	<2.0	9.36	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.78	<1.0	<2.0	<2.0	1.37	<0.50	0.720	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/11/2014	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.77	<1.0	<2.0	<2.0	12.60	<0.50	<0.500	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/18/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.90	<1.00	<2.00	<2.00	6.75	<0.500	0.790	<2.00	<1.00	<1.00	<1.00	<0.500	<1.0	<0.500
	6/30/2015	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.47	<1.00	<2.00	<2.00	0.56	<0.500	0.640	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.95	<1.00	<2.00	<2.00	6.90	<0.500	0.290 J	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.95	<1.00	<2.00	<2.00	2.62	<0.500	0.430	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
12/6/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.68	<1.00	<2.00	<2.00	3.63	<0.500	0.587	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
ROD Cleanup Level ^{5.}		NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	
JSCS SLV ^{6.}		170	37	8.9	0.2	NA	100	2.5	0.33	0.12	9.8	NA	8.2	11	1.2	0.17	1,300	0.0095	NA	NA	0.015	1.8	13.0

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-21 (continued)	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.96	<1.00	<2.00	<2.00	2.13	<0.500	0.510	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.29	<1.00	<2.00	<2.00	0.441	<0.500	0.706	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.22	<1.00	<2.00	<2.00	<0.400	<0.500	0.471	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/18/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.896	<1.00	<2.00	<2.00	<0.400	<0.500	0.426	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/18/2018 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.919	<1.00	<2.00	<2.00	<0.400	<0.500	0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.37	<1.00	<2.00	<2.00	0.408	<0.500	0.438	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.720	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/10/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.750	<1.00	<2.00	<2.00	<0.400	<0.500	0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	1.52	<1.00	<2.00	<2.00	0.423	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/1/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.16	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2021	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.951	<1.00	<2.00	<2.00	<0.400	<0.500	0.417	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
		<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	1.44	<1.00	<2.00	<2.00	<0.400	<0.500	0.515	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-22	11/30/2010	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	0.11 J	<1.0	<1.0	<0.14	<0.10	<0.50	<0.14	<0.11	<1.0	<0.07	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/13/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/18/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.50	<2.00	<1.00	<1.00	<1.00	<0.500	<1.0	<0.500
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/7/2016	<10.0 J	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/14/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/20/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
MW-27	8/19/2009	--	--	<10	--	--	--	<1.0	<1.0	11.3	--	--	--	29.3	<1.0	0.62 J	<1.0	<1.0	--	--	<1.0	--	--
	6/2/2010	--	--	<10	--	--	--	<1.0	<1.0	12.0	--	--	--	27.5	<1.0	0.78 J	<1.0	<1.0	--	--	<1.0	--	--
	11/30/2010	--	--	<10	--	--	--	<1.0	<1.0	9.14	--	--	--	17.5	<1.0	0.64 J	<1.0	<1.0	--	--	<1.0	--	--
	6/1/2011	<10	<2.0	<10	<4.0	<2.0	<2.0	<1.0	<1.0	7.60	<2.0	<2.0	<2.0	21.2	<1.0	0.64 J	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<2.0
	12/13/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	5.42	<1.0	<1.0	<1.0	14.1	<0.50	0.70	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011 DUP	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	5.57	<1.0	<1.0	<1.0	13.0	<0.50	0.74	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/26/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	7.30	<0.09	<1.0	<0.14	24.0	<0.50	0.67 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	3/26/2012 DUP	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	7.70	<0.09	<1.0	<0.14	24.0	<0.50	0.69 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	5.64	<1.0	<2.0	<2.0	17.7	<0.50	0.63	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	6.03	<1.0	<2.0	<2.0	21.0	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	4.03	<1.0	<2.0	<2.0	7.20	<1.0	0.56	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	3.28	<1.0	<2.0	<2.0	8.89	<0.50	0.500	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/11/2014	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	3.17	<1.0	<2.0	<2.0	5.54	<0.50	<0.500	<2.0	<1					

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-27 (continued)	6/30/2015	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.84	<1.0	<2.0	<2.0	1.55	<0.50	0.690	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/30/2015 DUP	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.90	<1.0	<2.0	<2.0	1.56	<0.50	0.700	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	4.51	<1.00	<2.00	<2.00	7.93	<0.500	0.490 J	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	3.20	<1.00	<2.00	<2.00	2.31	<0.500	0.590	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/6/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	4.68	<1.00	<2.00	<2.00	5.32	<0.500	0.596	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.96	<1.00	<2.00	<2.00	1.21	<0.500	0.555	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.54	<1.00	<2.00	<2.00	0.803	<0.500	0.541	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	3.86	<1.00	<2.00	<2.00	1.91	<0.500	0.593	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	3.20	<1.00	<2.00	<2.00	0.873	<0.500	0.462	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.81	<1.00	<2.00	<2.00	0.550	<0.500	0.440	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	4.30	<1.00	<2.00	<2.00	1.55	<0.500	0.431	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/1/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.94	<1.00	<2.00	<2.00	0.592	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.57	<1.00	<2.00	<2.00	0.960	<0.500	0.530	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.17	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
6/21/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.28	<1.00	<2.00	<2.00	0.420	<0.500	0.440	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
MW-36	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	3.75	--	--	--	55.5	<0.50	0.39 J	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	--	--	<5.0	--	--	--	<0.50	<0.50	3.45	--	--	--	57.6	<0.50	0.22 J	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	2.56	--	--	--	39.6	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010 DUP	--	--	<5.0	--	--	--	<0.50	<0.50	2.63	--	--	--	40.2	<0.50	0.08 J	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010	--	--	0.19 J	--	--	--	<0.50	<0.50	3.93	--	--	--	39.7	<0.50	0.31 J	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010 DUP	--	--	0.17 J	--	--	--	<0.50	<0.50	3.73	--	--	--	37.6	<0.50	0.28 J	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	--	--	<5.0	--	--	--	<0.50	<0.50	3.64	--	--	--	40.5	<0.50	0.23 J	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	1.33	<1.0	<1.0	<1.0	12.1	<0.50	0.26 J	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011	<10.0	<2.0	<10.0	<4.0	<2.0	<2.0	<1.0	<1.0	2.36	<2.0	<2.0	<2.0	26.4	<1.0	0.24 J	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<2.0
	12/14/2011	<25.0	<5.0	<25.0	<10.0	<5.0	<5.0	<2.5	<2.5	2.20 J	<5.0	<5.0	<5.0	21.0	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<2.5	<5.0	<10.0
	3/30/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	1.60	<0.09	<1.0	<0.14	13.0	<0.50	0.22 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.80	<1.0	<2.0	<2.0	4.37	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.91	<1.0	<2.0	<2.0	23.1	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.61	<1.0	<2.0	<2.0	5.11	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/19/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<5.00	<1.00	<5.00	<2.00	<1.00	<1.00	<1.00	<5.00	<1.00	<5.00
	9/9/2013 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<5.00	<1.00	<5.00	<2.00	<1.00	<1.00	<1.00	<5.00	<1.00	<5.00
12/13/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.44	<1.00	<2.00	<2.00	10.7	<0.50	<0.50	<2.00	<1.00	<1.00	<1.00	<5.00	<1.00	<5.00	
ROD Cleanup Level ⁵ .		NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	
JSCS SLV ⁶ .		170	37	8.9	0.2	NA	100	2.5	0.33	0.12	9.8	NA	8.2	11	1.2	0.17	1,300	0.0095	NA	NA	0.015	1.8	13.0

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-36 (continued)	3/24/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<5.00	<1.00	<5.00
	6/11/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<5.00	<1.00	<5.00
	9/19/2014	<10.00	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.84	<1.00	<2.00	<2.00	10.7	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/9/2015 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.94	<1.00	<2.00	<2.00	9.34	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/9/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.88	<1.00	<2.00	<2.00	9.61	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/30/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.36	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/16/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.13	<1.00	<2.00	<2.00	12.6	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	3.04	<1.00	<0.500
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/26/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/6/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.520	<1.00	<2.00	<2.00	1.68	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/22/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/20/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/14/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	<0.200	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/5/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.64	<1.00	<2.00	<2.00	7.72	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/5/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.530	<1.00	<2.00	<2.00	1.34	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.19	<1.00	<2.00	<2.00	2.61	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/17/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.91	<1.00	<2.00	<2.00	5.05	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/3/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	0.548	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/9/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/21/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.748	<1.00	<2.00	<2.00	0.836	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00				

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-37 (continued)	4/9/2002	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	11/14/2002	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	11/18/2003	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	4/12/2004	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	8/31/2004	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	11/29/2004	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	2/8/2005	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	5/19/2005	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	8/24/2005	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	11/7/2005	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	2/20/2006	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	5/16/2006	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	8/8/2006	--	--	--	--	--	--	--	--	3.60	--	--	--	42.4	--	<0.001	--	--	--	--	--	--	--
	11/7/2006	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	2/15/2007	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	5/23/2007	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	8/21/2007	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	11/7/2007	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
	2/12/2008	--	--	--	--	--	--	--	--	<0.50	--	--	--	<0.50	--	<0.50	--	--	--	--	--	--	--
MW-38	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	1.97	--	--	--	54.6	<0.50	0.32 J	<0.50	<0.50	--	--	<0.50	--	--
MW-39	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	0.23 J	--	--	--	8.75	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	1.09	--	--	--	43.0	<0.50	0.26 J	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.55	--	--	--	12.5	<0.50	0.19 J	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	0.18 J	<0.50	1.42	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	0.20 J	<1.0	<1.0	<1.0	4.54	<0.50	0.27 J	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/27/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	0.90 J	<0.50	0.61 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	1.64	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/3/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	1.44	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	2.70	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/13/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	4.43	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/11/2014	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.500	<1.0	<2.0	<2.0	2.72	<0.50	<0.500	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2014	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.480 J	<1.0	<2.0	<2.0	5.02	<0.50	0.380 J	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	7/6/2015	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.500	<1.0	<2.0	<2.0	<0.500	<0.50	<0.500	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	1.64	<0.500	0.86	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/6/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/26/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.327 J	<1.00	<2.00	<2.00	2.00	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.984	<1.00	<2.00	<2.00	2.06	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	0.960	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
ROD Cleanup Level ⁵		NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	
JSCS SLV ⁶		170	37	8.9	0.2	NA	100	2.5	0.33	0.12	9.8	NA	8.2	11	1.2	0.17	1,300	0.0095	NA	NA	0.015	1.8	13.0

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-39 (continued)	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.458	<1.00	<2.00	<2.00	0.574	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.25	<1.00	<2.00	<2.00	0.707	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/1/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	1.06	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.580	<1.00	<2.00	<2.00	0.490	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.858	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/21/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-41	12/1/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.17 J	--	--	--	0.85	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	1.35	<0.5	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	0.14 J	<0.09	<1.0	<0.14	0.44 J	<0.50	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	0.63	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/16/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	0.680	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/23/2014	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.500	<1.0	<2.0	<2.0	<0.500	<0.50	<0.500	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/7/2016	<10.0 J	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.460 J	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/20/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.400	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.400	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/2/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.500	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
MW-42	11/30/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.11 J	--	--	--	12.6	<0.50	0.16 J	<0.50	<0.50	--	--	<0.50	--	--
	12/14/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	3.07	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	1.8	<0.50	0.15 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	0.960	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/18/2014	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	5.28	<0.50	0.360 J	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	5.45	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/7/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.364 J	<1.00	<2.00	<2.00	4.94	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/14/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.730	<1.00	<2.00	<2.00	4.64	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/20/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.917	<1.00	<2.00	<2.00	1.80	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/2/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.690	<1.00	<2.00	<2.00	0.520	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
11/30/2021	<10.0	<1.00	<10.0	<2.00	<0.5																		

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-43 (continued)	7/6/2015	<10	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	2.38	<0.500	0.69	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/16/2015	<10	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.400 J	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/16/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	1.55	<0.500	0.65	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/23/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.28	<0.500	0.64	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/27/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	1.00	<0.500	0.260	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/9/2016	<10.0 J	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.970	<0.500	0.560	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/23/2017	<10.0 J	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	0.788	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.290 J	<0.500	0.76	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/21/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	1.01	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/13/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	0.960	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/15/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	0.218 J	<0.250	0.312 J	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.935	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/4/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.427	<1.00	<2.00	<2.00	1.01	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	0.520	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/6/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	0.530	<0.500	0.420	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/6/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	0.410	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.789	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.799	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	1/14/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.490	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/9/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.640	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
6/8/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.810	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
9/21/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
11/30/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
3/1/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.710	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
6/21/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.660	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00</		

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-44 (continued)	3/16/2015	<10	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/26/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/14/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/16/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/23/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/27/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/9/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/23/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.510	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.310 J	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/21/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/13/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/15/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	<0.200	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/4/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/4/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/4/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/13/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/9/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/8/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/21/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	11/30/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/1/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-45	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	0.22 J	<0.50	0.11 J	<0.50	<0.50	--	--	<0.50	--	--
MW-49	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	1.21	--	--	--	29.6	<0.50	0.32 J	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	2.08	--	--	--	47.3	<0.50	0.28 J	<0.50	<0.50	--	--	<0.50	--	--
	11/30/2010	--	--	<5.0	--	--	--	<0.50	<0.50	1.82	--	--	--	31.4	<0.50	0.29 J	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	0.83	<1.0	<1.0	<1.0	14.5	<0.50	0.49	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<5.0																					

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
MW-49 (continued)	6/30/2015	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.430	<1.0	<2.0	<2.0	3.52	<0.500	0.280	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.88	<1.00	<2.00	<2.00	6.32	<0.500	0.54	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/6/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/1/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
6/10/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
MW-50	11/29/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.13 J	--	--	--	0.14 J	<0.50	2.26	<0.50	<0.50	--	--	<0.50	--	--
	11/29/2010 DUP	--	--	<5.0	--	--	--	<0.50	<0.50	0.12 J	--	--	--	0.18 J	<0.50	2.34	<0.50	<0.50	--	--	<0.50	--	--
	12/13/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	2.20	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/26/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	0.81 J	<0.50	1.50	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	1.72	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	1.41	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	0.690	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	--
	12/23/2014	<10	<1	<5	<2	<0.5	<1	<0.5	<0.5	<0.5	<1	<2	<2	<0.5	<0.5	1.66	<2	<1	<1	<1	<0.5	<1.0	<0.5
	12/16/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.76	<0.500	1.25	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/9/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.320 J	<0.500	1.22	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/13/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	1.06	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.400	<0.500	0.850	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/13/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.400	<0.500	0.898	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
12/2/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.890	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
11/30/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.755	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
MW-51	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	0.93	--	--	--	17.9	<0.50	0.97	<0.50	<0.50	--	--	<0.50	--	--
	12/7/2009	--	--	<5.0	--	--	--	<0.50	<0.50	0.53	--	--	--	2.3	<0.50	0.82	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.28 J	--	--	--	2.95	<0.50	0.37 J	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.67	--	--	--	21.3	<0.50	0.54	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.88	--	--	--	19.8	<0.50	0.48 J	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010 DUP	--	--	<5.0	--	--	--	<0.50	<0.50	0.92	--	--	--	20.8	<0.50	0.48 J	<0.50	<0.50	--	--	<0.50	--	--
	11/29/2010	--	--	<5.0	--	--	--	<0.50	<0.50	0.6	--	--	--	3.42	<0.50	0.30 J	<0.50	<0.50	--	--	<0.50	--	--
	6/1/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	0.71	<1.0	<1.0	<1.0	4.55	<0.50	0.75	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	&														

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	
		Concentrations in µg/L (ppb)																						
		AREA 1																						
MW-51 (continued)	9/28/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	0.96	<0.50	1.14	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50	
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	0.89	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50	
	3/22/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	2.35	<0.50	0.63	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50	
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	2.25	<1.0	0.77	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50	
	9/9/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	2.34	<1.00	0.590	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/11/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.50	<1.00	<2.00	<2.00	1.08	<0.50	0.520	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	3/24/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/11/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	2.32	<0.50	0.530	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	9/19/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	1.17	<0.500	0.580	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/23/2014	<10	<1	<5	<2	<0.5	<1	<0.5	<0.5	<0.5	<1	<2	<2	<0.500	<0.5	<0.500	<2	<1	<1	<1	<0.5	<1.00	<0.5	
	3/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.31	<1.00	<2.00	<2.00	1.31	<0.500	1.18	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/26/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	1.92	<0.500	1.03	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	9/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.250 J	<1.00	<2.00	<2.00	3.57	<0.500	0.970	<2.00	<1.00	<1.00	<1.00	1.10	<1.00	<0.500	
	12/16/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	3/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/23/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.900	<1.00	<2.00	<2.00	5.17	<0.500	0.480	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	9/27/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.12	<1.00	<2.00	<2.00	4.95	<0.500	0.340	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/9/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.985	<1.00	<2.00	<2.00	3.71	<0.500	0.343 J	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	3/23/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.730	<1.00	<2.00	<2.00	3.47	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.42	<1.00	<2.00	<2.00	4.98	<0.500	0.350 J	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	9/21/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/13/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/15/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	<0.200	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250	
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.05	<1.00	<2.00	<2.00	2.09	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/4/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.672	<1.00	<2.00	<2.00	1.85	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/6/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	0.420	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	0.639	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.00	<1.00	<2.00	<2.00	1.53	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/13/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.667	<1.00	<2.00	<2.00	0.546	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/18/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.718	<1.00	<2.00	<2.00	0.701	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/9/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.950	<1.00	<2.00	<2.00	0.970	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	1.05	<1.00	<2.00	<2.00	1.05	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/2/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400																

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-51 (continued)	6/8/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.580	<1.00	<2.00	<2.00	0.630	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/8/2021 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.650	<1.00	<2.00	<2.00	0.600	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/21/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	11/30/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.460	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	11/30/2021 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.432	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/1/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/1/2022 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/21/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.470	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/21/2022 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.490	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-52	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	1.37	--	--	--	7.35	<0.50	0.33 J	<0.50	<0.50	--	--	<0.50	--	--
	12/7/2009	--	--	<5.0	--	--	--	<0.50	<0.50	2.64	--	--	--	17.9	<0.50	0.78	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	--	--	<5.0	--	--	--	<0.50	<0.50	2.58	--	--	--	16.2	<0.50	0.71	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010 DUP	--	--	<10.0	--	--	--	<1.0	<1.0	2.46	--	--	--	15.6	<1.0	0.62 J	<1.0	<1.0	--	--	<1.0	--	--
	6/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	2.64	--	--	--	16.2	<0.50	0.81	<0.50	<0.50	--	--	<0.50	--	--
	8/31/2010	--	--	<5.0	--	--	--	<0.50	<0.50	3.7	--	--	--	14	<0.50	0.66	<0.50	<0.50	--	--	<0.50	--	--
	12/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	1.43	--	--	--	7.7	<0.50	0.44 J	<0.50	<0.50	--	--	<0.50	--	--
	6/2/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	1.69	<1.0	<2.0	<2.0	11.5	<0.5	0.64	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	9/15/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	2.76	<1.0	<2.0	<2.0	8.8	<0.5	0.52	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	12/13/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	1.64	<1.0	<2.0	<2.0	8.59	<0.5	0.71	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/29/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	1.30	<0.09	<1.0	<0.14	6.60	<0.50	0.74 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.25	<1.0	<2.0	<2.0	7.33	<0.50	0.81	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.01	<1.0	<2.0	<2.0	5.06	<0.50	0.95	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<5.0	<5.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	0.83	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<1.00	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.50	<1.00	<2.00	<2.00	1.56	<0.50	<0.50	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/24/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	2.07	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/11/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.860	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/19/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.67	<1.00	<2.00	<2.00	3.69	<0.500	0.730	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.35	<1.00	<2.00	<2.00	0.26	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/30/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.430 J	<1.00	<2.00	<2.00	0.340 J	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/14/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.77	<1.00	<2.00	<2.00	0.84	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/21/2016	<10.0	<1.00	<5.0.																			

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-52 (continued)	3/14/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	<0.200	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/4/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/5/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.23	<1.00	<2.00	<2.00	0.490	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.41	<1.00	<2.00	<2.00	0.762	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.55	<1.00	<2.00	<2.00	0.798	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.890	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.00	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.670	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/10/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	0.930	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/17/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/17/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.16	<1.00	<2.00	<2.00	0.504	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.22	<1.00	<2.00	<2.00	0.527	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/1/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	1.12 J1	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/1/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.29 J1	<1.00	<2.00	<2.00	0.460	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/10/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.530	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.700	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2021 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.550	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/23/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/2/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	0.980	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/21/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	1.54	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-53	12/7/2009	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/7/2009 DUP	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	12/13/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.50	<1.0	<2.0	<2.0	<0.50	<0.5	<0.50	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/27/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	<0.09	<0.09	<1.0	<0.14	<0.10	<0.50	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	<2.0	<2.0	<0.50	<0.50	<0.50	<2.0						

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	
		Concentrations in µg/L (ppb)																						
		AREA 1																						
MW-62	1/20/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.290 J	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	3/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.360	<1.00	<2.00	<2.00	0.450	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.530	<1.00	<2.00	<2.00	1.44	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/22/16 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.580	<1.00	<2.00	<2.00	1.40	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	9/27/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.720	<1.00	<2.00	<2.00	0.530	<0.500	0.250	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	9/27/2016 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.780	<1.00	<2.00	<2.00	0.430	<0.500	0.260	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/7/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.264 J	<1.00	<2.00	<2.00	0.319 J	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	3/23/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/26/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	9/20/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/14/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	<0.200	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250	
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/5/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/5/2018 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/6/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/6/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/17/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/1/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/9/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/8/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/21/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/21/2021 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/2/201	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/2/2021 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/2/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
MW-70	8/19/2009	--	--	<5.0	--	--	--	<0.50	<0.50	5.20	--	--	--	31.2	<0.50	0.4 J	<0.50	<0.50	--	--	<0.50	--	--	
	3/16/2010	--	--	<5.0	--	--	--	<0.50	<0.50	7.79	--	--	--	34.4	<0.50	0.45 J	<0.50	<0.50	--	--	<0.50	--	--	
	6/2/2010	--	--	<5.0	--	--	--	<0.50	<0.50	1.44	--	--	--	5.41	<0.50	0.08 J	<0.50	<0.50						

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-70 (continued)	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	6.00	<1.0	<2.0	<2.0	20.1	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.68	<1.0	<2.0	<2.0	7.85	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.37	<1.0	<2.0	<2.0	3.83	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.91	<1.0	<5.0	<5.0	1.74	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.35	<1.0	<2.0	<2.0	2.84	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.770	<1.00	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/13/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.91	<1.00	<2.00	<2.00	3.68	<0.50	<0.50	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/24/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.04	<1.00	<2.00	<2.00	2.70	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/11/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.860	<1.00	<2.00	<2.00	1.61	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/19/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.850	<1.00	<2.00	<2.00	1.74	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.560	<1.00	<2.00	<2.00	0.810	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.01	<1.00	<2.00	<2.00	1.43	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/30/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.59	<1.00	<2.00	<2.00	1.10	<0.50	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/14/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.850	<1.00	<2.00	<2.00	1.20	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/17/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.602	<1.00	<2.00	<2.00	1.27	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.315	<1.00	<2.00	<2.00	1.37	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.280	<1.00	<2.00	<2.00	1.15	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/27/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.560	<1.00	<2.00	<2.00	1.57	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/6/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.431 J	<1.00	<2.00	<2.00	1.37	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/23/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.610	<1.00	<2.00	<2.00	3.03	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.430 J	<1.00	<2.00	<2.00	2.25	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/20/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	1.48	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	1.76	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/15/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	0.274 J	<0.500	<1.00	<1.00	1.66	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250
	6/28/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	1.71	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/5/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	1.92	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	2.05	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	2.08	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/6/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	2.03	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	2.03	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	2.29	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	2.52	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	2.56	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/17/2020	<10.0	<1.0																				

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-71	6/2/2010	--	--	<10	--	--	--	<1.0	<1.0	2.96	--	--	--	68	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	--	--
	11/30/2010	--	--	<10	--	--	--	<1.0	<1.0	4.0	--	--	--	84.8	<1.0	0.34 J	<1.0	<1.0	--	--	<1.0	--	--
	6/1/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	0.76	<1.0	<1.0	<1.0	15.1	<0.50	0.55	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/14/2011	<10	<2.0	0.46 J	<4.0	<2.0	<2.0	<1.0	<1.0	4.98	<2.0	<2.0	<2.0	33.8	<1.0	0.46 J	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<2.0
	3/26/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	1.70	<0.09	<1.0	<0.14	31.0	<0.50	0.20 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	0.91	<1.0	<2.0	<2.0	13.9	<0.50	0.55	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.02	<1.0	<2.0	<2.0	36.8	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.74	<1.0	<2.0	<2.0	18.2	<1.0	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/12/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.04	<1.0	<2.0	<2.0	15.0	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/11/2014	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.24	<1.0	<2.0	<2.0	12.2	<0.50	0.51	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	7/6/2015	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.53	<1.0	<2.0	<2.0	10.8	<0.50	0.34	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/17/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.38	<1.00	<2.00	<2.00	6.03	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/21/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	4.12	<1.00	<2.00	<2.00	7.84	<0.500	0.31	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/6/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.31	<1.00	<2.00	<2.00	7.31	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/27/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.641	<1.00	<2.00	<2.00	3.88	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	3.79	<1.00	<2.00	<2.00	3.65	<0.500	0.436	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	3.58	<1.00	<2.00	<2.00	3.30	<0.500	0.436	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.92	<1.00	<2.00	<2.00	1.14	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.10	<1.00	<2.00	<2.00	1.08	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	3.15	<1.00	<2.00	<2.00	2.04	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.35	<1.00	<2.00	<2.00	1.13	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	1.15	<1.00	<2.00	<2.00	0.595	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/1/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	2.84	<1.00	<2.00	<2.00	0.783	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2021	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	1.09	<1.00	<2.00	<2.00	0.550	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	2.40	<1.00	<2.00	<2.00	0.731	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
WEX-60	12/8/2009	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50	--	--
	3/16/2010	--	--	<10.0	--	--	--	<1.0	<1.0	3.16	--	--	--	46.2	<1.0	0.42 J	<1.0	<1.0	--	--	<1.0	--	--
	6/2/2010	--	--	<10.0	--	--	--	<1.0	<1.0	3.14	--	--	--	43.3	<1.0	0.24 J	<1.0	<1.0	--	--	<1.0	--	--
	8/31/2010	--	--	<5.0	--	--	--	<0.50	<0.50	2.86	--	--	--	35.8	<0.50	0.41 J	<0.50	<0.50	--	--	<0.50	--	--
	11/31/2010	--	--	<10.0	--	--	--	<1.0	<1.0	3.0	--	--	--	36.2	<1.0	0.36 J	<1.0	<1.0	--	--	<1.0	--	--
	11/31/2010 DUP	--	--	<10.0	--	--	--	<1.0	<1.0	3.04	--	--	--	36.0	<1.0	0.36 J	<1.0	<1.0	--	--	<1.0	--	--
	6/1/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	1.69	<1.0	<1.0	<1.0	12.2	<0.50	0.64	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	6/1/2011 DUP	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	10.8	<1.0	<1.0	<1.0	58.2	<0.50	0.44 J	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	1.93	<1.0	<1.0	<1.0	17.0	<0.50	0.65	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	9/15/2011 DUP	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	1.97	<1.0	<1.0	<1.0	16.5	<0.50	0.72	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	12/13/2011	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<0.50	<0.50	2.37	<1.0	<1.0	<1.0	21.5	<0.50	0.68	<0.50	<0.50	<1.0	<1.0	<0.50	<2.0	<1.0
	3/29/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<0.10	<0.12	1.60	<0.09	<1.0	<0.14	13.0	<0.50	0.60 J	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/5/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.52	<1.0	<2.0	<2.0	6.94	<0.50	0.86	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	7/5/2012 DUP	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.56	<1.0	<2.0	<2.0	6.89	<0.50	0.90	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.63	<1.0	<2.0	<2.0	13.0	<0.50	0.62	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/28/12 DUP	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.44	<1.0	<2.0	<2.0	12.3	<0.50	0.55	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
ROD Cleanup Level ⁵ .		NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	
JSCS SLV ⁶ .		170	37	8.9																			

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 1																					
WEX-60 (continued)	12/4/2012	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.03	<1.0	<2.0	<2.0	11.2	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	12/4/2012 DUP	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.49	<1.0	<2.0	<2.0	11.3	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.11	<1.0	<5.0	<5.0	14.1	<0.50	0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	3/22/2013 DUP	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	2.14	<1.0	<5.0	<5.0	14.2	<0.50	<0.50	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.87	<1.0	<2.0	<2.0	7.09	<1.0	0.54	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	6/18/2013 DUP	<10.0	<1.0	<5.0	<2.0	<0.50	<1.0	<0.50	<0.50	1.96	<1.0	<2.0	<2.0	7.06	<1.0	0.56	<2.0	<1.0	<1.0	<1.0	<0.50	<1.0	<0.50
	9/9/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.03	<1.00	<2.00	<2.00	11.1	<1.00	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/11/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	2.02	<1.00	<2.00	<2.00	9.62	<0.50	<0.50	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/12/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.98	<1.00	<2.00	<2.00	9.73	<0.50	<0.50	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/24/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.48	<1.00	<2.00	<2.00	7.32	<0.50	0.550	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/24/2014 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.52	<1.00	<2.00	<2.00	7.53	<0.50	0.540	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/11/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.47	<1.00	<2.00	<2.00	5.15	<0.50	0.750	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/11/2014 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	1.50	<1.00	<2.00	<2.00	5.63	<0.50	0.870	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/11/2014 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	10/29/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.900	<1.00	<2.00	<2.00	5.66	<0.500	0.290 J	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	10/29/2014 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.650	<1.00	<2.00	<2.00	4.82	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.460 J	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/18/2014 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.520	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/15/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.43	<1.00	<2.00	<2.00	2.32	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/30/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.590	<1.00	<2.00	<2.00	3.79	<0.500	0.280 J	<2.00	<1.00	<1.00	<1.00	1.37	<1.00	<0.500
	6/30/15 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.690	<1.00	<2.00	<2.00	4.39	<0.500	0.320 J	<2.00	<1.00	<1.00	<1.00	1.34	<1.00	<0.500
	6/30/15 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	0.720	<1.00	<2.00	<2.00	4.45	<0.500	0.310 J	<2.00	<1.00	<1.00	<1.00	1.41	<1.00	<0.500
	9/14/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	0.400 J	<0.500	0.300 J	<2.00	<1.00	<1.00	<1.00	0.850	<1.00	<0.500
	1/20/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/22/2016	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/22/2016 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/22/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/7/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/7/2016 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/22/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	3/22/2017 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	6/29/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	9/20/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/20/2017 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2017 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.400	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
ROD Cleanup Level ⁵ :		NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	
JSCS SLV ⁶ :		170	37	8.9	0.2	NA	100	2.5	0.33	0.12	9.8	NA	8.2	11	1.2	0.17	1,300	0.0095	NA	NA	0.015	1.8	13.0

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	
		Concentrations in µg/L (ppb)																						
AREA 1																								
WEX-60 (continued)	3/14/2018	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	<0.200	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250	
	3/14/2018 DUP	<5.00	<0.500	<1.50	<1.00	<0.250	<0.500	<0.200	<0.250	<0.200	<0.500	<1.00	<1.00	<0.200	<0.250	<0.200	<1.00	<0.500	<0.500	<0.500	<0.200	<0.500	<0.250	
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/27/2018 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/4/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/6/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/21/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/3/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/3/2020 DUP	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/9/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/11/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
9/22/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
3/2/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
MW-90	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/17/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/1/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/8/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/22/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
3/2/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
MW-91	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	7/2/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/17/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/1/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/11/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/10/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	9/23/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/2/2021	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	3/3/2022	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
ROD Cleanup Level ⁵ .		NA	NA	NA	12	NA</																		

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	
		Concentrations in µg/L (ppb)																						
AREA 1																								
MW-103	1/29/2021	--	--	<10.0	--	--	--	<0.400	<0.500	0.887	--	<2.00	<2.00	0.547	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--	
	3/9/2021	--	--	<10.0	--	--	--	<0.400	<0.500	0.640	--	<2.00	<2.00	0.480	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--	
	6/8/2021	--	--	<10.0	--	--	--	<0.400	<0.500	0.960	--	<2.00	<2.00	0.800	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--	
	9/21/2021	--	--	<10.0	--	--	--	<0.400	<0.500	0.792	--	<2.00	<2.00	0.645	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--	
	11/30/2021	--	--	<10.0	--	--	--	<0.400	<0.500	0.887	--	<2.00	<2.00	0.530	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--	
	3/1/2022	--	--	<10.0	--	--	--	<0.400	<0.500	0.680	--	<2.00	<2.00	0.600	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--	
	6/21/2022	--	--	<10.0	--	--	--	<0.400	<0.500	0.470	--	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--	
9/21/2022	--	--	<10.0	--	--	--	<0.400	<0.500	1.18	--	<2.00	<2.00	0.540	<0.500	<0.400	<2.00	<1.00	--	--	<0.400	--	--		
AREA 2																								
MW-17	6/3/2010	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	
	6/3/2010 DUP	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	
	12/1/2010	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	
	12/1/2010 DUP	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	
	6/2/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5	
	12/14/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5	
	12/14/2011 DUP	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5	
	3/27/2012	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<1.0	<0.12	--	<0.09	<1.0	<0.14	<0.1	<0.5	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12	
	3/27/2012 DUP	<1.0	<0.09	<0.12	<1.0	<0.09	<0.09	<1.0	<0.12	--	<0.09	<1.0	<0.14	<0.1	<0.5	<0.14	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12	
	7/6/2012	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5	
	12/5/2012	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5	
	6/19/2013	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5	
	6/19/2013 DUP	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5	
	12/16/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/16/2013 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/11/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/11/2014 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/22/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/22/2014 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	7/6/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/17/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/17/2015 DUP	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/22/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/22/2016 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/9/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/9/16 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	6/28/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500	
	12/13/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/13/2017 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	6/27/2018 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500	
3/6/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
6/19/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
12/16/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
12/16/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
6/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500		
9/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00												

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-17 (continued)	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/16/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/16/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-31	8/20/2009	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	8/20/2009 DUP	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	1/21/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-66	12/7/2009	--	--	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<0.50
	1/21/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-81	12/8/2009	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
	12/8/2009 DUP	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
MW-82	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/17/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-83	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	7/2/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-84	9/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/16/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-85	9/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	7/2/2019 DUP	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
JCSL SLV ^{6.}	6/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	ROD Cleanup Level ^{5.}	NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	
		170	37	8.9	0.2	NA	100	2.5	0.33	0.12	9.8	NA	8.2	11	1.2	0.17	1,300	0.0095	NA	NA	0.015	1.8	13.0

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		AREA 2																					
MW-92	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/12/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
SMW-12	12/1/2010	--	--	<5.0	--	--	--	<0.50	<0.50	<0.50	--	--	--	<0.50	<0.50	7.92	<0.50	<0.50	--	--	<0.50	--	--
	12/15/2011	<1.0	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	0.83	<2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<0.5
	3/27/2012	<1.0	0.11 J	<0.12	<1.0	<0.09	<0.09	<1.0	<0.12	--	<0.09	<1.0	<0.14	<0.1	<0.5	12.0	<0.11	<1.0	<0.07	<0.09	<0.09	<0.19	<0.12
	7/6/2012	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	4.78	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	7/6/2012 DUP	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	4.76	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	12/5/2012	<10	<1.0	<5.0	<2.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	17.4	<2.0	<1.0	<1.0	<1.0	<0.5	<1.0	<0.5
	12/16/2013	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	2.90	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/22/2014	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	16.2	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/17/2015	<10.0	<1.00	<5.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	8.74	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/9/2016	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.500	<0.500	<0.500	<1.00	<2.00	<2.00	<0.500	<0.500	<0.500	<2.00	<1.00	<1.00	<1.00	<0.500	<1.00	<0.500
	12/13/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
SMW-14	12/7/2009	<5.0	0.28 J	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
SMW-18	12/7/2009	<5.0	<1.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0
SCHNITZER ASD YARD																							
MW-10	12/14/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/18/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/4/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-14	1/21/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/5/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/20/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/10/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-73	Well decommissioned in January 2022																						
	12/14/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/18/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	0.530
	3/5/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500								

Please refer to notes at end of table.

Table E-1
Historical Groundwater Analytical Results - Volatile Organic Compounds
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	4-Methyl-2-pentanone (MIBK)	Methyl tert-butyl ether (MTBE)	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene
		Concentrations in µg/L (ppb)																					
		SCHNITZER ASD YARD																					
MW-76	12/14/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/5/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-77	12/14/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/19/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/4/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-79	12/14/2017	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/27/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/18/2018	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/4/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-86	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	3.06	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/13/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/12/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-87	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/12/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-88	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/13/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/12/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
MW-89	7/2/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/10/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	12/16/2019	<10.0	<1.00	<3.00	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	3/18/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	6/11/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
	9/9/2020	<10.0	<1.00	<10.0	<2.00	<0.500	<1.00	<0.400	<0.500	<0.400	<1.00	<2.00	<2.00	<0.400	<0.500	<0.400	<2.00	<1.00	<1.00	<1.00	<0.400	<1.00	<0.500
ROD Cleanup Level ^{5.}		NA	NA	NA	12	NA	NA	NA	NA	0.24	9.8	NA	NA	NA	NA	0.6	NA	NA	NA	NA	0.022	13	13.0
JSCS SLV ^{6.}		170	37	8.9	0.2	NA	100	2.5	0.33	0.12	9.8	NA	8.2	11	1.2	0.17	1,300	0.0095	NA	NA	0.015	1.8	

Notes:

1. Volatile Organic Compound (VOC) analysis by EPA Method 8260B.
2. -- = Not analyzed or not applicable.
3. µg/L (ppb) = micrograms per liter (parts per billion).
4. Bold denotes analyte detected above laboratory reporting limit.
5. ROD Cleanup Levels from U.S. EPA Errata #2 for the Record of Decision Table 17 for Portland Harbor Superfund Site, Portland, Oregon, January 2020. The level shown is the Groundwater Cleanup Level unless one was not available, in which case the Surface Water Cleanup Level was used, per DEQ Guidance.
6. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005.

7. J = concentration is less than the laboratory reporting limit but greater than the laboratory detection limit. The reported value is an estimate.
8. Shading denotes analyte detected above screening criteria. As instructed by DEQ, concentrations of analytes were compared to the Portland Harbor Cleanup Level. If neither a Groundwater or Surface Water Cleanup Level was available, the data were compared to the Joint Source Control Strategy Screening Level Value.
9. R = Data are rejected. Detected concentration a result of laboratory-based contamination. As a result of the rejection of this data, detections are not bolded or shaded.
10. NA = Cleanup Level and SLV not available for this analyte.
11. < = constituent was not detected at a concentration greater than laboratory method reporting limit shown.
12. Q-54 = Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260C/8270D.
13. J1 = The relative percent difference between the primary and field duplicate samples exceeded quality control limits. The associated results are estimated.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
AREA 1			
MW-52	1/21/2019	<0.190	<0.381
	3/5/2019	<0.187	<0.374
	6/19/2019	<0.189	<0.377
	9/10/2019	<0.189	<0.377
	12/10/2019	<0.187	<0.374
	3/17/2020	<0.189	<0.377
	6/10/2020	<0.189	<0.377
	9/10/2020	<0.189	<0.377
	12/1/2020	<0.200	<0.400
	3/10/2021	<0.189	<0.377
	6/10/2021	<0.187	<0.374
	9/23/2021	<0.190	<0.381
	9/23/2021 DUP	<0.190	<0.381
	12/2/2021	<0.189	<0.377
	3/2/2022	<0.187	<0.374
MW-62	1/20/2015	<0.238	<0.476
	3/22/2016	<0.238	<0.476
	6/22/2016	<0.238	<0.476
	6/22/16 DUP	<0.238	<0.476
	9/27/2016	<0.190	0.401
	9/27/2016 DUP	<0.190	0.443
	12/7/2016	<0.187	0.211 J
	3/23/2017	<0.187	<0.187
	6/26/2017	<0.185	<0.370
	9/20/2017	<0.189	<0.377
	12/12/2017	<0.189	<0.377
	3/14/2018	<0.189	<0.377
	6/27/2018	<0.187	<0.374
	9/5/2018	<0.187	<0.374
	12/19/2018	<0.187	<0.374
	3/6/2019	<0.189	<0.377
	6/19/2019	<0.190	<0.381
	9/10/2019	<0.189	<0.377
	12/10/2019	<0.187	<0.374
	3/17/2020	<0.190	<0.381
	6/10/2020	<0.189	<0.377
	9/10/2020	<0.189	<0.377
	12/1/2020	<0.194	<0.388
	3/9/2021	<0.189	<0.377
	6/8/2021	<0.189	<0.377
	9/21/2021	<0.187	<0.374
	12/2/2021	<0.189	<0.377
	3/2/2022	<0.187	<0.374
ROD Cleanup Level ⁹ .		NA	NA
JSCS SLV ¹⁰ .		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
AREA 1			
WEX-60	12/8/2009	0.0182 J	<0.481
	3/16/2010	--	--
	6/2/2010	--	--
	8/31/2010	--	--
	11/31/2010	0.0832 J	<0.476
	11/31/2010 DUP	0.0815 J	<0.476
	6/1/2011	0.0366	<0.50
	6/1/2011 DUP	--	--
	9/15/2011	<0.098	<0.49
	9/15/2011 DUP	0.0416 J	<0.481
	12/13/2011	0.0671	<0.49
	3/29/2012	0.065 JZ	<0.038
	7/5/2012	<0.234	<0.467
	7/5/2012 DUP	<0.234	<0.467
	9/28/2012	<0.187	<0.374
	9/28/12 DUP	<0.187	<0.374
	12/4/2012	<0.187	<0.374
	12/4/2012 DUP	<0.187	<0.374
	3/22/2013	<0.189	<0.377
	3/22/2013 DUP	<0.187	<0.374
	6/18/2013	<0.194	<0.388
	6/18/2013 DUP	<0.192	<0.385
	9/9/2013	<0.238	<0.476
	12/11/2013	<0.245	<0.490
	12/12/2013	<0.240	<0.481
	3/24/2014	<0.236	<0.472
	3/24/2014 DUP	<0.236	<0.472
	6/11/2014	<0.236	<0.472
	6/11/2014 DUP	<0.236	<0.472
	6/11/2014 DUP	<0.236	<0.472
	10/29/2014	0.131 J	<0.385
	10/29/2014 DUP	0.102 J	<0.392
	12/18/2014	<0.236	<0.472
	12/18/2014 DUP	<0.236	<0.472
	3/15/2015	<0.260	<0.521
ROD Cleanup Level ⁹ .		NA	NA
JSCS SLV ¹⁰ .		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
AREA 1			
WEX-60 (continued)	6/30/2015	<0.0943	<0.189
	6/30/2015 DUP	--	--
	6/30/2015 DUP	--	--
	9/14/2015	<0.248	<0.495
	1/20/2016	<0.238	<0.476
	3/22/2016	<0.238	<0.476
	3/22/2016 DUP	<0.238	<0.476
	6/22/2016	--	--
	9/27/2016	--	--
	12/7/2016	<0.187	0.202 J
	12/7/2016 DUP	<0.187	<0.374
	3/22/2017	<0.187	<0.374
	3/22/2017 DUP	<0.189	<0.377
	6/29/2017	<0.187	<0.374
	9/20/2017	<0.187	<0.374
	9/20/2017 DUP	<0.189	0.469
	12/12/2017	<0.187	<0.374
	12/12/2017 DUP	<0.187	<0.374
	3/14/2018	<0.189	<0.377
	3/14/2018 DUP	<0.189	<0.377
	6/27/2018	<0.187	0.890
	6/27/2018 DUP	<0.187	<0.374
	9/4/2018	<0.185	<0.370
	9/4/2018 DUP	<0.185	<0.370
	12/19/2018	<0.189	<0.377
	3/6/2019	<0.200	<0.400
	3/6/2019 DUP	<0.189	<0.377
	6/21/2019	<0.189	<0.377
	6/21/2019 DUP	<0.190	<0.381
	9/10/2019	<0.189	<0.377
	9/10/2019 DUP	<0.189	<0.377
	12/12/2019	<0.194	<0.388
	12/12/2019 DUP	<0.187	<0.374
	3/18/2020	<0.194	<0.388
	6/11/2020	<0.190	<0.381
	9/11/2020	<0.194	<0.388
ROD Cleanup Level ⁹ .		NA	NA
JSCS SLV ¹⁰ .		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
AREA 1			
MW-90	7/2/2019	<0.187	<0.374
	9/10/2019	<0.187	<0.374
	12/12/2019	<0.187	<0.374
	3/17/2020	<0.190	<0.381
	6/9/2020	<0.189	<0.377
	9/9/2020	<0.189	<0.377
	12/1/2020	<0.189	<0.377
	6/8/2021	<0.190	<0.381
	9/22/2021	<0.190	<0.381
	12/2/2021	<0.189	<0.377
	3/2/2022	<0.187	<0.374
MW-91	7/2/2019	<0.189	<0.377
	9/10/2019	<0.192	<0.385
	12/12/2019	<0.190	<0.381
	3/17/2020	<0.187	<0.374
	6/10/2020	<0.189	<0.377
	9/10/2020	<0.189	<0.377
	12/1/2020	<0.192	<0.385
	3/11/2021	<0.189	<0.377
	6/10/2021	<0.189	<0.377
	9/23/2021	<0.190	<0.381
	12/2/2021	<0.189	<0.377
	3/3/2022	<0.187	<0.374
AREA 2			
MW-17	1/21/2019	<0.187	<0.374
	3/6/2019	<0.187	<0.374
	6/19/2019	<0.187	<0.374
	9/10/2019	<0.189	<0.377
	12/16/2019	<0.192	<0.385
	12/16/2019 DUP	<0.190	<0.381
	3/18/2020	<0.187	<0.374
	3/18/2020 DUP	<0.187	<0.374
	6/11/2020	<0.189	<0.377
	6/11/2020 DUP	<0.187	<0.374
	9/11/2020	<0.189	<0.377
	9/11/2020 DUP	<0.189	<0.377
	12/3/2020	<0.200	<0.400
	12/3/2020 DUP	<0.200	<0.400
	3/10/2021	<0.192	<0.385
	3/10/2021 DUP	<0.190	<0.381
	6/9/2021	<0.189	<0.377
	6/9/2021 DUP	<0.189	<0.377
	9/21/2021	<0.189	<0.377
	9/21/2021 DUP	<0.189	<0.377
	12/1/2021	<0.190	<0.381
	12/1/2021 DUP	<0.189	<0.377
	3/1/2022	<0.189	<0.377
ROD Cleanup Level ⁹		NA	NA
JSCS SLV ¹⁰		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
AREA 2			
MW-31	1/21/2019	<0.190	<0.381
MW-66	1/21/2019	<0.189	<0.377
MW-82	7/2/2019	<0.189	<0.377
	9/10/2019	<0.189	<0.377
	12/12/2019	<0.190	<0.381
	3/17/2020	<0.187	<0.374
	6/10/2020	<0.189	<0.377
	9/9/2020	<0.189	<0.377
	12/1/2020	<0.187	<0.374
	3/10/2021	<0.189	<0.377
	6/9/2021	<0.192	<0.385
	9/22/2021	<0.190	<0.381
	12/1/2021	<0.190	<0.381
	3/2/2022	<0.187	<0.374
MW-83	7/2/2019	<0.187	<0.374
	9/11/2019	<0.189	<0.377
	12/12/2019	<0.190	<0.381
	3/18/2020	<0.192	<0.385
	6/11/2020	<0.187	<0.374
	9/9/2020	<0.189	<0.377
	12/1/2020	<0.189	<0.377
	3/10/2021	<0.190	<0.381
	6/9/2021	<0.190	<0.381
	9/22/2021	<0.189	<0.377
	12/1/2021	<0.190	<0.381
	3/1/2022	<0.189	<0.377
MW-84	7/2/2019	<0.189	<0.377
	9/10/2019	<0.187	<0.374
	12/16/2019	<0.190	<0.381
	3/18/2020	<0.189	<0.377
	6/10/2020	<0.189	<0.377
	9/10/2020	<0.189	<0.377
	12/1/2020	<0.189	<0.377
	3/9/2021	<0.187	<0.374
	6/9/2021	<0.190	<0.381
	9/23/2021	<0.190	<0.381
	12/1/2021	<0.189	<0.377
	3/2/2022	<0.187	<0.374
ROD Cleanup Level ⁹		NA	NA
JSCS SLV ¹⁰		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
AREA 2			
MW-85	7/2/2019	<0.187	<0.374
	9/11/2019	<0.189	<0.377
	12/12/2019	<0.190	<0.381
	3/18/2020	<0.192	<0.385
	6/11/2020	<0.189	<0.377
	9/11/2020	<0.189	<0.377
	12/3/2020	<0.196	<0.392
	3/10/2021	<0.187	<0.374
	6/9/2021	<0.189	<0.377
	9/22/2021	<0.187	<0.374
	12/1/2021	<0.189	<0.377
	3/1/2022	<0.190	<0.381
MW-92	7/2/2019	<0.189	<0.377
	9/10/2019	<0.196	<0.392
	12/12/2019	<0.187	<0.374
	3/18/2020	<0.196	<0.392
	6/11/2020	<0.189	<0.377
	9/11/2020	<0.187	<0.374
	12/3/2020	<0.190	<0.381
	3/10/2021	<0.190	<0.381
	6/9/2021	<0.190	<0.381
	9/22/2021	<0.189	<0.377
	12/1/2021	<0.189	<0.377
	3/1/2022	<0.190	<0.381
SCHNITZER ASD YARD			
MW-10	8/20/2009	1.04	1.17
	6/3/2010	1.41	1.18
	12/1/2010	1.52	1.51
	6/3/2011	1.56	0.775
	12/15/2011	0.717	0.474
	3/28/2012	3.6	1.9
	7/6/2012	<0.238	<0.476
	12/5/2012	0.953	1.19
	6/19/2013	<0.190	1.66
	12/13/2013	<0.238	<0.476
	6/11/2014	0.453	<0.476
	12/19/2014	<0.236	3.83
	12/18/2015	0.112 J	<0.385
	6/21/2016	<0.240	<0.481
	12/12/2016	1.97 F-11	<0.374
	6/28/2017	<0.185	<0.370
	6/28/2017 DUP	<0.185	<0.370
	12/14/2017	<0.187	<0.374
	6/26/2018	<0.187	<0.374
	12/18/2018	<0.189	<0.377
	6/21/2019	<0.187	<0.374
	12/10/2019	<0.187	<0.374
	6/11/2020	<0.187	<0.374
ROD Cleanup Level ⁹ .		NA	NA
JSCS SLV ¹⁰ .		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
SCHNITZER ASD YARD			
MW-11	12/1/2010	0.0858 J	0.0651 J
	12/15/2011	0.13	0.116 J
	3/29/2012	0.12	0.083 J
	7/6/2012	<0.236	<0.472
	12/5/2012	<0.189	<0.377
	12/13/2013	<0.238	<0.476
	12/19/2014	<0.236	<0.472
	12/16/2015	<0.189	<0.377
	12/7/2016	<0.187	<0.374
	12/14/2017	<0.213	<0.426
	12/17/2018	<0.187	<0.374
	12/11/2019	<0.194	<0.388
MW-14	1/21/2019	<0.189	<0.377
	3/5/2019	<0.189	<0.377
	6/20/2019	<0.189	<0.377
	9/11/2019	<0.185	<0.370
	12/11/2019	<0.200	<0.400
	3/18/2020	<0.189	<0.377
	6/10/2020	<0.189	<0.377
	9/9/2020	<0.189	<0.377
	12/3/2020	<0.189	<0.377
	3/11/2021	<0.189	<0.377
	6/8/2021	<0.192	<0.385
	Well decommissioned in January 2022		
MW-72	12/2/2010	1.11	0.55
	12/2/2010 DUP	1.04	0.481
	6/2/2011	0.327	0.0508 J
	12/15/2011	0.261	0.0654 J
	12/15/2011 DUP	0.319	0.101 J
	3/29/2012	0.52	0.13 J
	3/29/2012 DUP	0.58	0.18 J
	7/6/2012	<0.236	<0.472
	7/6/2012 DUP	<0.234	<0.467
	12/5/2012	0.410	<0.374
	12/5/2012 DUP	0.411	<0.374
	6/19/2013	0.408	<0.381
	12/13/2013	<0.238	<0.476
	12/13/2013 DUP	<0.238	<0.476
	6/11/2014	<0.236	<0.472
	12/19/2014	<0.236	<0.472
	12/19/2014 DUP	<0.236	<0.472
	6/26/2015	0.389	<0.377
	12/16/2015	<0.189	<0.377
	12/16/2015 DUP	0.116 J	<0.377
6/21/2016	<0.238	<0.476	
ROD Cleanup Level ⁹		NA	NA
JSCS SLV ¹⁰		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
SCHNITZER ASD YARD			
MW-72 (cont)	6/21/2016 DUP	<0.238	<0.476
	12/7/2016	0.421 F-11	<0.374
	12/7/2016 DUP	0.369 F-11	<0.374
	6/28/2017	<0.189	<0.377
	12/14/2017	<0.187	<0.374
	12/14/2017 DUP	<0.187	<0.374
	6/26/2018	<0.187	<0.374
	12/18/2018	<0.187	<0.374
	6/21/2019	<0.189	<0.377
	12/13/2019	<0.190	<0.381
	12/13/2019 DUP	<0.189	<0.377
	6/12/2020	<0.187	<0.374
MW-73	8/20/2009	1.16	1.78
	12/8/2009	1.59	2.48
	6/3/2010	2.51	3.71
	6/3/2010 DUP	2.28	3.18
	12/2/2010	1.88	2.01
	6/3/2011	2.95	0.667
	12/16/2011	1.19	0.898
	3/28/2012	3.1	0.6
	7/25/2012	0.463	<0.467
	12/5/2012	4.49	0.603
	6/19/2013	1.84	<0.381
	12/16/2013	1.21	<0.476
	6/12/2014	0.630	0.694
	12/19/2014	0.157 J	<0.236
	6/26/2015	1.680	<0.189
	12/18/2015	0.241	<0.385
	6/23/2016	<0.238	<0.476
	12/12/2016	4.49 F-13	<0.374
	6/28/2017	<0.187	0.272 J
	12/14/2017	0.254 F-13	<0.381
	6/27/2018	<0.187	<0.374
	12/18/2018	0.191 F-13	<0.377
	12/18/2018 DUP	<0.189	<0.377
	6/20/2019	<0.189	<0.377
	12/11/2019	<0.204	<0.408
	6/12/2020	<0.187	<0.374
ROD Cleanup Level ⁹ .		NA	NA
JSCS SLV ¹⁰ .		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
SCHNITZER ASD YARD			
MW-74	6/3/2010	1.05	1.39
	12/2/2010	1.51	0.916
	6/3/2011	0.392	0.325
	12/16/2011	0.701	0.277 J
	3/28/2012	0.32	0.21 J
	7/6/2012	<0.236	<0.472
	12/5/2012	0.455	<0.388
	6/19/2013	0.485	<0.381
	12/16/2013	<0.243	<0.485
	6/12/2014	<0.236	<0.472
	12/22/2014	<0.236	<0.472
	12/16/2015	<0.189	<0.377
	6/22/2016	<0.238	<0.476
	12/9/2016	0.384 F-11	<0.374
	6/28/2017	<0.185	<0.370
	12/14/2017	<0.187	<0.374
	6/27/2018	<0.190	<0.381
	12/19/2018	<0.187	<0.374
	6/20/2019	<0.190	<0.381
	12/13/2019	<0.192	<0.385
6/10/2020	<0.189	<0.377	
MW-77	8/20/2009	0.666	0.314 J
	12/8/2009	0.668	0.318 J
	6/3/2010	0.444	0.196 J
	12/2/2010	1.39	0.668
	6/3/2011	0.62	0.237
	12/16/2011	0.561	0.166 J
	3/28/2012	0.18	0.10 J
	7/6/2012	<0.236	<0.472
	12/5/2012	0.947	<0.374
	6/19/2013	0.598	<0.381
	6/12/2014	<0.238	<0.476
	12/19/2014	<0.236	<0.472
	12/18/2015	0.577	<0.377
	6/21/2016	<0.236	<0.472
	12/12/2016	1.56 F-11	<0.374
	6/28/2017	<0.185	<0.370
	12/14/2017	<0.187	<0.374
	6/26/2018	<0.187	<0.374
	12/19/2018	<0.187	<0.374
	6/20/2019	<0.190	<0.381
12/10/2019	<0.190	<0.381	
6/11/2020	<0.187	<0.374	
ROD Cleanup Level ⁹		NA	NA
JSCS SLV ¹⁰		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
SCHNITZER ASD YARD			
MW-78	8/20/2009	0.495	0.458 J
	12/8/2009	0.956	1.25
MW-79	8/20/2009	1.28	1.35
	8/20/2009 DUP	2.08	2.78
	12/8/2009	1.35	1.59
	12/8/2009 DUP	1.58	1.98
	6/3/2010	1.53	2.33
	12/1/2010	1.7	1.53
	6/2/2011	0.819	0.704
	6/2/2011 DUP	0.853	0.732
	12/16/2011	0.688	0.432 J
	3/28/2012	1.2	2.4
	7/6/2012	<0.234	<0.467
	12/5/2012	0.241	<0.374
	6/19/2013	<0.189	0.710
	12/13/2013	<0.238	<0.476
	6/12/2014	<0.236	<0.472
	12/19/2014	<0.236	<0.472
	6/26/2015	0.363	<0.189
	12/18/2015	0.248	<0.377
	6/23/2016	<0.238	<0.476
	12/12/2016	0.495 F-11	<0.377
	6/28/2017	<0.187	0.261 J
	12/14/2017	<0.189	<0.377
	6/26/2018	<0.187	<0.374
	12/18/2018	<0.189	<0.377
	6/20/2019	<0.189	<0.377
	12/10/2019	<0.189	<0.377
	6/11/2020	<0.187	<0.374
MW-86	7/2/2019	<0.192	<0.385
	7/2/2019 DUP	<0.187	<0.374
	9/10/2019	<0.189	<0.377
	9/10/2019 DUP	<0.187	<0.374
	12/13/2019	<0.187	<0.374
	3/18/2020	<0.187	<0.374
	6/12/2020	<0.187	<0.374
	9/9/2020	<0.189	<0.377
	12/3/2020	<0.190	<0.381
	3/11/2021	<0.190	<0.381
	6/8/2021	<0.200	<0.400
	9/22/2021	<0.190	<0.381
	11/30/2021	<0.190	<0.381
	3/1/2022	<0.189	<0.377
ROD Cleanup Level ⁹		NA	NA
JSCS SLV ¹⁰		NA	NA

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
SCHNITZER ASD YARD			
MW-87	7/2/2019	<0.189	<0.377
	9/11/2019	<0.189	<0.377
	12/11/2019	<0.200	<0.400
	3/18/2020	<0.192	<0.385
	6/12/2020	<0.189	<0.377
	9/9/2020	<0.189	<0.377
	12/2/2020	<0.189	<0.377
	3/11/2021	<0.189	<0.377
	6/8/2021	<0.190	<0.381
	9/23/2021	<0.190	<0.381
	12/1/2021	<0.189	<0.377
	3/1/2022	<0.190	<0.381
MW-88	7/2/2019	<0.187	<0.374
	9/11/2019	<0.190	<0.381
	12/13/2019	<0.190	<0.381
	3/18/2020	<0.187	<0.374
	6/12/2020	<0.187	<0.374
	9/11/2020	<0.189	<0.377
	12/3/2020	<0.192	<0.385
	3/11/2021	<0.187	<0.374
	6/11/2021	<0.189	<0.377
	9/23/2021	<0.189	<0.377
	11/30/2021	<0.211	<0.421
	11/30/2021 DUP	<0.190	<0.381
	3/2/2022	<0.189	<0.377

Please refer to notes at end of table.

Table E-2
Historical Groundwater Analytical Results - Petroleum Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	TPH-Diesel	TPH-Oil
		Concentrations in mg/L (ppm)	
SCHNITZER ASD YARD			
MW-89	7/2/2019	<0.189	0.434
	9/10/2019	<0.190	<0.381
	12/16/2019	<0.190	<0.381
	3/18/2020	<0.189	<0.377
	6/11/2020	<0.187	<0.374
	9/9/2020	<0.189	<0.377
	12/1/2020	<0.189	<0.377
	3/11/2021	<0.189	<0.377
	6/11/2021	<0.187	<0.374
	9/22/2021	<0.189	<0.377
	12/1/2021	<0.200	<0.400
	3/2/2022	<0.189	<0.377
MW-93	12/29/2021	<0.192	<0.385
	3/2/2022	<0.189	<0.377
ROD Cleanup Level ⁹		NA	NA
JSCS SLV ¹⁰		NA	NA

Notes:

1. TPH = Total Petroleum Hydrocarbons by NWTPHDx method with silica gel clean up.
2. mg/L (ppm) = milligrams per liter (parts per million).
3. **Bold** denotes analyte detected above laboratory reporting limit.
4. J = result is estimated.
5. Z = the chromatographic response does not resemble a typical fuel pattern.
6. -- = not analyzed or not available.
7. F-11 = hydrocarbon pattern indicates sample is possibly weathered diesel or from another related compound.
8. F-13 = The sample chromatogram does not resemble the fuel standard used for quantitation. Value is estimated.
9. ROD Cleanup Levels from U.S. EPA Errata #2 for the Record of Decision Table 17 for Portland Harbor Superfund Site, Portland, Oregon, January 2020. The level shown is the Groundwater Cleanup Level unless one was not available, in which case the Surface Water Cleanup Level was used, per DEQ Guidance.
10. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005.
11. Shading denotes analyte detected above screening criteria. As instructed by DEQ, concentrations of analytes were compared to the Portland Harbor Cleanup Level. If neither a Groundwater or Surface Water Cleanup Level was available, the data were compared to the Joint Source Control Strategy Screening Level Value.
12. NA = Cleanup Level and SLV not available for this analyte.
13. < = constituent was not detected at a concentration greater than laboratory method reporting limit shown.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
		AREA 1																			
MW-52	1/21/2019	<0.163	<0.163	<0.0816	<0.0816	<0.0816	<0.0816	<0.122	<0.122	<0.0816	<0.122	<0.0816	<0.0816	<0.0816	<0.0816	<0.0816	<0.163	<0.0816	<0.0816	<0.122	<0.0816
	3/5/2019	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<2.00	<0.0189	<0.0189	<0.0283	<0.0189
	6/19/2019	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	9/10/2019	<0.0385	<0.0385	<0.0192	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0385	<0.0192	<0.0192	<0.0288	<0.0192
	12/10/2019	<0.0392	<0.0392	<0.0196	<0.0196	<0.0196	<0.0196	<0.0294	<0.0294	<0.0196	<0.0294	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0392	<0.0196	<0.0196	<0.0294	<0.0196
	3/17/2020	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	6/10/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	9/10/2020	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	12/1/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
MW-62	1/21/2019	<0.163	<0.163	<0.0816	<0.0816	<0.0816	<0.0816	<0.122	<0.122	<0.0816	<0.122	<0.0816	<0.0816	<0.0816	<0.0816	<0.0816	<0.163	<0.0816	<0.0816	<0.122	<0.0816
	3/6/2019	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<2.00	<0.0189	<0.0189	<0.0283	<0.0189
	6/19/2019	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	9/10/2019	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	12/10/2019	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	3/17/2020	<0.0385	<0.0385	<0.0192	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0385	<0.0192	<0.0192	<0.0288	<0.0192
	6/10/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	9/10/2020	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	12/1/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
MW-90	7/2/2019	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	0.0249	<0.0189	<0.0283	<0.0189
	9/10/2019	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	12/12/2019	<0.0388	<0.0388	<0.0194	<0.0194	<0.0194	<0.0194	<0.0291	<0.0291	<0.0194	<0.0291	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0388	<0.0194	<0.0194	<0.0291	<0.0194
	3/17/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	6/9/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	9/9/2020	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	12/1/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	6/8/2021	0.0453	0.0769	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	9/22/2021	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0755	<0.0283	<0.0189	<0.0755	<0.0189	<0.0189	<0.0755	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	12/2/2021	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	3/2/2022	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
MW-91	7/2/2019	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	0.0803	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769
	9/10/2019	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	12/12/2019	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	3/17/2020	<0.152	<0.152	<0.0762	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	<0.114	<0.0762
	6/10/2020	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	9/10/2020	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
ROD Cleanup Level ^{10.}		NA	2.1.																		

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
AREA 1																					
MW-91 (continued)	12/1/2020	<0.0388	<0.0388	<0.0194	<0.0194	<0.0194	<0.0194	<0.0291	<0.0291	<0.0194	<0.0291	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0388	<0.0194	<0.0194	<0.0291	<0.0194
	3/11/2021	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	6/10/2021	0.0629	0.157	<0.0189	<0.0189	<0.0283 R-02	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	0.129	<0.0189	<0.0189	<0.0283	<0.0189
	6/10/2021 DUP	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	9/23/2021	<0.0408	<0.0408	<0.0204	<0.0204	<0.0204	<0.0204	<0.0306	<0.0306	<0.0204	<0.0306	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0408	<0.0204	<0.0204	<0.0306	<0.0204
	9/23/2021 DUP	<0.0408	<0.0408	<0.0204	<0.0204	<0.0204	<0.0204	<0.0306	<0.0306	<0.0204	<0.0306	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0408	<0.0204	<0.0204	<0.0306	<0.0204
	12/2/2021	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	0.0193	<0.0190	<0.0286	<0.0190
	3/3/2022	<0.0408	<0.0408	<0.0204	<0.0204	<0.0204	<0.0204	<0.0306	<0.0306	<0.0306	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0408	<0.0204	<0.0204	<0.0306	<0.0204
AREA 2																					
MW-17	1/21/2019	<0.0784	<0.0784	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0784	<0.0392	<0.0392	--	<0.0392
	3/6/2019	<0.0377	<0.0377	<0.0189	<0.0189	0.0217	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<2.00	<0.0189	<0.0189	<0.0283	<0.0189
	6/19/2019	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	9/10/2019	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	12/16/2019	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	12/16/2019 DUP	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	0.0208	<0.0286	0.0376	<0.0190	0.0310	0.0226	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	3/18/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	3/18/2020 DUP	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	6/11/2020	<0.0385	<0.0385	<0.0192	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0385	<0.0192	<0.0192	<0.0288	<0.0192
	6/11/2020 DUP	<0.0385	<0.0385	<0.0192	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0385	<0.0192	<0.0192	<0.0288	<0.0192
	9/11/2020	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	9/11/2020 DUP	<0.0388	<0.0388	<0.0194	<0.0194	<0.0194	<0.0194	<0.0291	<0.0291	<0.0194	<0.0291	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0388	<0.0194	<0.0194	<0.0291	<0.0194
	12/3/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	12/3/2020 DUP	<0.0392	<0.0392	<0.0196	<0.0196	<0.0196	<0.0196	<0.0294	<0.0294	<0.0196	<0.0294	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0392	<0.0196	<0.0196	<0.0294	<0.0196
	3/10/2021	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	3/10/2021 DUP	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	6/9/2021	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	6/9/2021 DUP	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	9/21/2021	<0.0404	<0.0404	<0.0202	<0.0202	<0.0202	<0.0202	<0.0303	<0.0303	<0.0202	<0.0303	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0404	<0.0202	<0.0202	<0.0303	<0.0202
	12/1/2021	<0.0412	<0.0412	<0.0206	<0.0206	0.0209	<0.0206	<0.0309	<0.0309	<0.0206	<0.0309	<0.0206	<0.0206	0.0470	<0.0206	<0.0206	<0.0412	<0.0206	0.0430	<0.0309	<0.0206
3/1/2022	<0.0440	<0.0440	<0.0220	<0.0220	0.0248	<0.0220	<0.0330	<0.0330	<0.0330	<0.0220	<0.0220	<0.0220	<0.0220	<0.0220	<0.0220	<0.0220	<0.0440	<0.0220	<0.0220	<0.0330	<0.0220
MW-31	1/21/2019	<0.0392	<0.0392	<0.0196	<0.0196	<0.0196	<0.0196	<0.0294	<0.0294	<0.0196	<0.0294	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0392	<0.0196	<0.0196	<0.0294	<0.0196
ROD Cleanup Level ¹⁰ .		NA	2.1	23	NA	0.73	0.0012	0.00012	0.0012	0.4	0.0013	0.0013	0.00012	6.2	3.9	0.0012	12	6.3	10	NA	NA
JSCS SLV ¹¹ .		NA	0.2	0.2	0.2	0.2	0.018	0.018	0.018	0.2	0.018	0.018	0.018	0.2	0.2	0.018	0.2	0.2	0.2	3.4	3.7

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
		AREA 2																			
MW-66	12/8/2009	--	--	0.588 J	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	0.0789 J	<0.0962	<0.0962	<0.0962	0.0922 J	0.15	--	--
	6/3/2010	--	<0.0966	0.218	<0.0966	<0.0966	0.0258	0.0321	0.0195	<0.0966	0.0178	0.0302	<0.0966	0.0673 J	<0.0966	0.0228	<0.0966	0.115	0.148	--	--
	12/1/2010	--	--	0.0564 J	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.194	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	0.0511 J	--	--
	6/2/2011	--	<0.0957	0.205	<0.0957	<0.0957	0.0823	0.0875	0.0481	0.0565 J	0.0568	0.0785	0.0119	0.147	<0.0957	0.046	<0.0957	0.19	0.224	--	--
	12/15/2011	--	<0.0952	0.133	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	0.0749	<0.0952	--	--
	3/27/2012	--	<0.048	0.14	<0.048	<0.048	0.012	0.017	0.012	<0.048	0.011	0.015	--	<0.048	<0.048	0.011	<0.048	0.11	0.08 J	--	--
	7/6/2012	<0.0748	<0.0748	0.191	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	0.102	0.05	--	<0.0374
	12/5/2012	<0.0748	<0.0748	0.114	<0.0374	<0.0374	<0.0374	0.04	<0.0748 *	0.045	<0.0748 *	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	0.0693	0.0548	--	<0.0374
	6/19/2013	<0.151	<0.151	0.154	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	0.166	0.113	<0.113	<0.0755
	12/16/2013	<0.190	<0.190	0.478	<0.0952	<0.0952	<0.0952	<0.143	<0.143	<0.0952	<0.143	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.190	<0.0952	<0.0952	<0.0952	<0.0952
	6/11/2014	<0.0381	<0.0381	0.180	<0.0190	0.0203	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	0.0514	0.139	0.0904	<0.0286	<0.0190
	12/23/2014	<0.151	<0.151	0.276	<0.0755	<0.0755	0.0393 J	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	0.114	0.0640 J	<0.113	<0.0755
	6/30/2015	<0.0762	<0.0762	0.090	<0.0381	0.0303	<0.0381	<0.0571	<0.0571	<0.0381	<0.0571	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0762	<0.0381	0.0533	<0.0381	<0.0381
	12/17/2015	<0.0762	<0.0762	0.0956	<0.0381	--	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0762	0.0795	0.0679	--	<0.0381
	6/22/2016	<0.0762	<0.0762	0.131	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0762	0.113	0.059	<0.0381	<0.0381
	12/12/2016	<0.0755	<0.0755	0.167	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0755	0.112	0.0907	--	<0.0377
	6/27/2017	<0.0748	<0.0748	0.131	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	0.0639	0.0475	<0.113	<0.0755
	12/13/2017	<0.0374	<0.0374	0.0795	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	0.0609	0.0593	<0.0280	<0.0187
	6/27/2018	<0.0769	<0.0769	0.210	0.0358	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0769	0.0636	0.0522	--	<0.0385
	12/18/2018	<0.0748	<0.0748	0.286	<0.0374	<0.0374	0.0485 M-05	0.0653	0.0671 M-05	0.0765	<0.0374	0.0472 M-05	<0.0374	0.0616	<0.0374	0.0559	<0.0748	0.0994	0.168	--	<0.0374
	6/20/2019	<0.0769	<0.0769	0.205	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0769	0.0890	0.0877	--	<0.0385
	12/12/2019	<0.0762	<0.0762	0.417	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0762	0.0942	0.0474	--	<0.0381
	6/10/2020	<0.0374	<0.0374	0.153	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	0.0326	0.0473	<0.0280	<0.0187
	12/3/2020	<0.0392	<0.0392	0.474	<0.0196	<0.0196	<0.0196	<0.0294	<0.0294	<0.0196	<0.0294	<0.0196	<0.0196	<0.0196	<0.0196	<0.0196	<0.0392	0.0914	0.0760	<0.0294	<0.0196
	6/9/2021	<0.0374	<0.0374	0.258	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	0.0411	0.0527	<0.0280	<0.0187
	12/1/2021	<0.0381	<0.0381	0.0711	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	0.0480	0.0671	<0.0286	<0.0190
MW-81	12/8/2009	--	--	0.697	<0.0962	<0.0962	<0.0962	0.0668 J	<0.0962	0.101	<0.0962	<0.0962	<0.192	0.0673 J	<0.0962	0.058 J	<0.0962	0.0543	0.151	--	--
	12/8/2009 DUP	--	--	0.691	<0.0962	<0.0962	<0.0962	0.0517 J	<0.0962	0.0826 J	<0.0962	<0.0962	<0.192	0.0617 J	<0.0962	<0.0962	<0.0962	0.0509 J	0.136	--	--
	12/1/2010	--	--	0.56	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.098	<0.196	<0.098	<0.098	<0.098	<0.098	<0.098	0.0684 J	--	--
	12/15/2011	--	<0.0952	0.62	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	<0.0952	<0.0952	--	--
	3/28/2012	--	<0.049	0.35	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	<0.0049	--	<0.049	<0.049	<0.0049	<0.049	<0.049	<0.049	--	--
	7/6/2012	<0.0748	<0.0748	0.683	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	--	<0.0374
	12/5/2012	<0.0748	<0.0748	0.568	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748 *	0.0473	<0.0748 *	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<			

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
		AREA 2																			
MW-82	7/2/2019	<0.151	<0.151	0.138	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	0.105	<0.0755	<0.151	0.238	<0.0755	<0.113	<0.0755
	9/10/2019	<0.150	<0.150	0.0833	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	0.194	<0.0748	<0.112	<0.0748
	12/12/2019	<0.160	<0.160	0.295	<0.0800	<0.0800	<0.0800	<0.120	<0.120	<0.0800	<0.120	<0.0800	<0.0800	0.116	0.220	<0.0800	<0.160	0.424	<0.0800	<0.120	<0.0800
	3/17/2020	<0.150	<0.150	0.254	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	0.0823	0.135	<0.0748	<0.150	0.311	<0.0748	<0.112	<0.0748
	6/10/2020	<0.150	<0.150	0.258	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	0.114	<0.0748	<0.150	0.264	<0.0748	<0.112	<0.0748
	9/9/2020	<0.150	<0.150	0.125	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	0.211	<0.0748	<0.112	<0.0748
	12/1/2020	<0.163	<0.163	0.399	<0.0816	<0.0816	<0.0816	<0.122	<0.122	<0.0816	<0.122	<0.0816	<0.0816	0.0980	0.166	<0.0816	<0.163	0.400	<0.0816	<0.122	<0.0816
	3/10/2021	<0.152	<0.152	0.263	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	0.0777	0.121	<0.0762	<0.152	0.278	<0.0762	<0.114	<0.0762
	6/9/2021	<0.151	<0.151	0.215	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.0928	0.0763	<0.0755	<0.151	0.268	<0.0755	<0.113	<0.0755
	9/22/2021	<0.151	<0.151	0.158	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.0775	<0.0755	<0.0755	<0.151	0.251	<0.0755	<0.113	<0.0755
	12/1/2021	<0.0396	<0.0396	0.43	<0.0198	0.0782	<0.0198	<0.0297	<0.0297	<0.0198	<0.0297	<0.0198	<0.0198	0.0908	0.104	<0.0198	<0.0396	0.351	0.0622	<0.0297	<0.0198
	3/2/2022	<0.0404	<0.0404	0.301	<0.0202	0.0558	<0.0202	<0.0303	<0.0303	<0.0303	<0.0202	<0.0202	<0.0202	<0.0202	0.0783	0.0757	<0.0202	0.399	0.285	0.0540	<0.0303
MW-83	7/2/2019	<0.151	<0.151	0.253	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.101	<0.0755	<0.0755	0.203	0.182	0.0834	<0.113	<0.0755
	9/11/2019	<0.151	<0.151	0.266	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	12/12/2019	<0.167	<0.167	0.312	<0.0833	<0.0833	<0.0833	<0.125	<0.125	<0.0833	<0.125	<0.0833	<0.0833	<0.0833	<0.0833	<0.0833	<0.167	<0.0833	<0.0833	<0.125	<0.0833
	3/18/2020	<0.154	<0.154	0.162	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769
	6/11/2020	<0.0381	<0.0381	0.221	<0.0190	0.0240	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	0.0315	<0.0190	0.0420	0.0618	0.0214	<0.0286	<0.0190
	9/9/2020	<0.0374	<0.0374	0.205	<0.0187	0.0240	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	0.0345	0.0291	<0.0280	<0.0187
	12/1/2020	<0.0421	<0.0421	0.248	<0.0211	0.0286	<0.0211	<0.0316	<0.0316	<0.0211	<0.0316	<0.0211	<0.0211	<0.0211	<0.0211	<0.0211	<0.0421	0.0236	0.0278	<0.0316	<0.0211
	3/10/2021	<0.0374	<0.0374	0.0834	<0.0187	0.0219	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	0.0194	0.0248	<0.0280	<0.0187
	6/9/2021	<0.0377	<0.0377	0.0645	<0.0189	0.0218	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	0.0292	<0.0283	<0.0189
	9/22/2021	<0.0377	<0.0377	0.203	<0.0189	0.0195	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	0.0273	<0.0283	<0.0189
	12/1/2021	<0.0396	<0.0396	0.291	<0.0198	0.0339	<0.0198	<0.0297	<0.0297	<0.0198	<0.0297	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0396	<0.0198	0.0280	<0.0297	<0.0198
	12/1/2021 DUP	<0.0377	<0.0377	0.213	<0.0189	0.0242	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	0.0268	<0.0283	<0.0189
3/1/2022	<0.0404	<0.0404	0.181	<0.0202	<0.0202	<0.0202	<0.0303	<0.0303	<0.0303	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0404	<0.0202	0.0231	<0.0303	<0.0202	
MW-84	7/2/2019	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	9/10/2019	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	12/16/2019	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	3/18/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	6/10/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	9/10/2020	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	0.0347	<0.0189	<0.0189	<0.0377	<0.0189	0.0282	<0.0283	<0.0189
	12/1/2020	<0.0404	<0.0404	<0.0202	<0.0202	<0.0202	<0.0202	<0.0303	<0.0303	<0.0202	<0.0303	<0.0202	<0.0202	<0.0202	<0.0202	<0.0202	<0.0404	<0.0202	<0.0202	<0.0303	<0.0202
	3/9/2021	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190
	6/9/2021	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	9/22/2021	<0.0408	<0.0408	<0.0204	<0.0204	<0.0204	<0.0204	<0.0306	<0.0306	<0.0204	<0.0306	<0.0204	<0.0204	<0.0204	<0.0204	<0.0204	<0.0408</				

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran	
		Concentrations in µg/L (ppb)																				
		AREA 2																				
MW-85	7/2/2019	<0.151	<0.151	1.63	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	0.235	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	
	9/11/2019	<0.151	<0.151	0.685	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	
	12/12/2019	<0.152	<0.152	0.518	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	<0.114	<0.0762	
	3/18/2020	<0.154	<0.154	0.473	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769	
	6/11/2020	<0.0385	<0.0385	1.71	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	0.241	<0.0192	<0.0385	0.0278	<0.0192	<0.0288	<0.0192	
	9/11/2020	<0.0377	<0.0377	0.490	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	0.119	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189	
	12/3/2020	<0.0408	<0.0408	0.994	<0.0204	<0.0204	<0.0204	<0.0306	<0.0306	<0.0204	<0.0306	<0.0204	<0.0204	<0.0204	0.0743	<0.0204	<0.0408	<0.0204	<0.0204	<0.0306	<0.0204	
	3/10/2021	<0.0385	<0.0385	1.64	<0.0192	0.0249	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	0.248	<0.0192	<0.0385	0.0313	<0.0192	<0.0288	0.0300	
	6/9/2021	<0.0404	<0.0404	0.845	<0.0202	<0.0202	<0.0202	<0.0303	<0.0303	<0.0202	<0.0303	<0.0202	<0.0202	<0.0202	0.0765	<0.0202	<0.0404	<0.0202	<0.0202	<0.0303	<0.0202	
	9/24/2021	<0.0377	<0.0377	0.311	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	12/1/2021	<0.0412	<0.0412	1.34	<0.0206	<0.0206	<0.0206	<0.0309	<0.0309	<0.0206	<0.0309	<0.0206	<0.0206	<0.0206	0.0322	<0.0206	<0.0412	<0.0206	<0.0206	<0.0309	<0.0206	
	3/1/2022	<0.0396	<0.0396	2.85	<0.0198	0.0265	<0.0198	<0.0297	<0.0297	<0.0297	<0.0198	<0.0198	<0.0198	<0.0198	0.351	<0.0198	<0.0396	0.0237	<0.0198	<0.0297	0.0385	
MW-92	7/2/2019	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	
	9/10/2019	<0.152	<0.152	<0.0762	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	<0.114	<0.0762	
	12/12/2019	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769	
	3/18/2020	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769	
	6/11/2020	<0.0385	<0.0385	<0.0192	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0385	<0.0192	<0.0192	<0.0288	<0.0192	
	9/11/2020	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187	
	12/3/2020	<0.0396	<0.0396	<0.0198	<0.0198	<0.0198	<0.0198	<0.0297	<0.0297	<0.0198	<0.0297	<0.0198	<0.0198	<0.0198	<0.0198	<0.0198	<0.0396	<0.0198	<0.0198	<0.0297	<0.0198	
	3/10/2021	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187	
	6/9/2021	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189	
	9/22/2021	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189	
	12/1/2021	<0.0377	<0.0377	<0.0189	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189	
	3/1/2022	<0.0388	<0.0388	<0.0194	<0.0194	<0.0194	<0.0194	<0.0291	<0.0291	<0.0291	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0194	<0.0388	<0.0194	<0.0194	<0.0291	<0.0194	
SMW-12	12/7/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/1/2010	--	--	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	--	--	
	12/15/2011	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	<0.0952	<0.0952	--	--	
	3/27/2012	<0.048	<0.048	<0.048	<0.048	<0.048	<0.0048	<0.0048	<0.0048	<0.048	<0.0048	<0.0048	--	<0.048	<0.048	<0.0048	<0.048	<0.048	<0.048	--	--	
	7/6/2012	<0.0748	<0.0748	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	--	<0.0374	
	7/6/2012 DUP	<0.0748	<0.0748	<0.0374	<0.0374	<0.0374	<0.0374	0.042	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	--	<0.0374	
	12/5/2012	<0.0755	<0.0755	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0755 *	<0.0377	<0.0755 *	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0755	<0.0377	<0.0755	--	<0.0377	
	12/16/2013	<0.0381	<0.0381	<0.0190	<0.0190	0.0193	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	<0.0190	<0.0286	<0.0190	
	12/23/2014	<0.0377	<0.0377	<0.0189	<0.0189	0.0263	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	0.0222	<0.0283	<0.0189	
	12/17/2015	<0.0762	<0.0762	<0.0381	<0.0381	0.0196 J	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<2.00	<0.0381	<0.0381	--	<0.0381	
	12/9/2016	<0.0792 H	<0.0792 H	<0.0396 H	<0.0396 H	0.0224 J H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0396 H	<0.0792 H	<0.0396 H	<0.0396 H	--	<0.0396 H
	12/13/2017	<0.0374	<0.0374	<0.0187	<0.0187	0.0211	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	0.0467	<0.0280	<0.0187	
ROD Cleanup Level ^{10.}		NA	2.1	23	NA	0.73	0.0012	0.00012	0.0012	0.4	0.0013	0.0013	0.00012	6.2	3.9	0.0012	12	6.3	10	NA	NA	
JSCS SLV ^{11.}		NA	0.2	0.2	0.2																	

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
		SCHNITZER ASD YARD																			
MW-14	1/21/2019	<0.167	<0.167	0.0853	<0.0833	<0.0833	<0.0833	<0.125	<0.125	<0.125	<0.125	<0.0833	<0.0833	<0.0833	<0.0833	<0.0833	<0.167	<0.0833	<0.0833	<0.125	<0.0833
	3/5/2019	<0.0377	<0.0377	0.0793	<0.0189	<0.0377	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<2.00	0.0209	<0.0189	<0.0283	<0.0189
	3/5/2019 DUP	<0.0377	<0.0377	0.0753	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	<0.0189	<0.0189	<0.0189	<0.0377	<0.0189	<0.0189	<0.0283	<0.0189
	6/20/2019	<0.0381	<0.0381	0.105	<0.0190	<0.210	<0.0190	<0.0286	<0.0286	<0.0755	<0.0286	<0.0190	<0.0755	<0.0190	<0.0190	<0.0755	<0.0381	0.0294	<0.0190	<0.0286	<0.0190
	6/20/2019 DUP	<0.0755	<0.0755	0.141	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377
	9/11/2019	<0.151	<0.151	0.169	<0.0755	0.0984	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.0781	0.342	<0.0755	<0.151	0.400	<0.0755	0.779	0.198
	9/11/2019 DUP	<0.0755	<0.0755	0.138	0.0424	0.114	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	0.0855	0.355	<0.0377	<0.0377	0.427	0.0716	--	0.263
	12/11/2019	<0.162	<0.162	<0.0808	<0.0808	0.0988	<0.0808	<0.121	<0.121	<0.0808	<0.121	<0.0808	<0.0808	0.231	0.171	<0.0808	<0.162	0.312	0.173	0.158	0.104
	3/18/2020	<0.154	<0.154	0.107	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	0.191	<0.0769	<0.0769	<0.154	0.210	0.121	<0.115	<0.0769
	3/18/2020 DUP	<0.150	<0.150	0.145	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	0.200	<0.0748	<0.0748	<0.150	0.253	0.129	<0.112	<0.0748
	6/10/2020	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.147	0.125	<0.0755	<0.151	0.217	0.105	<0.113	<0.0755
	6/10/2020 DUP	<0.150	<0.150	<0.0748	<0.0748	0.0756	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	0.194	0.135	<0.0748	<0.150	0.234	0.132	<0.112	<0.0748
	9/9/2020	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.114	<0.264	<0.0755	<0.151	0.173	0.0794	<0.151	<0.113
	9/9/2020 DUP	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.137	<0.226	<0.0755	<0.151	0.219	0.102	<0.151	<0.113
	12/3/2020	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.191	0.100	<0.0755	<0.151	0.231	0.132	<0.113	<0.0755
	3/11/2021	<0.151	<0.151	0.209	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.0980	<0.0755	<0.0755	<0.151	0.0765	<0.0755	<0.113	<0.0755
	6/8/2021	<0.155	<0.155	0.105	<0.0777	<0.0777	<0.0777	<0.117	<0.117	<0.0777	<0.117	<0.0777	<0.0777	<0.0777	<0.0777	<0.0777	<0.155	<0.0777	<0.0777	<0.117	<0.0777
Well decommissioned in January 2022																					
MW-72	8/20/2009	--	--	0.103	<0.0952	0.0647 J	0.216	0.257	0.145	0.191	0.182	0.235	<0.19	0.517	<0.0952	0.144	0.107	0.291	0.603	--	--
	12/8/2009	0.0937 J	<0.0962	<0.0962	<0.0962	<0.0962	0.0553 J	<0.0962	<0.0962	0.0551 J	<0.0962	0.054 J	<0.192	0.194	<0.0962	<0.0962	0.0807 J	0.175	0.242	--	--
	12/2/2010	--	--	0.0831 J	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.194	0.0613 J	0.0574 J	<0.0971	<0.0971	0.156	0.0704 J	--	--
	12/2/2010 DUP	--	--	0.102	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.194	0.080 J	0.0713 J	<0.0971	<0.0971	0.202	0.09 J	--	--
	6/2/2011	--	<0.0952	0.0784 J	<0.0952	<0.00476	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	0.0925 J	<0.0952	--	--
	12/15/2011	--	<0.0952	0.0840 J	<0.0952	<0.0952	0.00651	0.00613	<0.00476	<0.0952	<0.00476	0.00853	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	0.0964	0.0506 J	--	--
	12/15/2011 DUP	--	<0.0952	0.0869	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	0.00543	<0.00476	<0.0952	<0.0952	<0.00476	<0.0952	0.0972	<0.0952	--	--
	3/29/2012	<0.049	<0.049	0.081 J	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	<0.0049	--	<0.049	0.058 J	<0.0049	<0.049	0.13	<0.049	--	--
	3/29/2012 DUP	<0.049	<0.049	0.078 J	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	<0.0049	--	<0.049	0.059 J	<0.0049	<0.049	0.12	<0.049	--	--
	7/6/2012	<0.0748	<0.0374	0.1	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.045	0.0731	<0.0374	<0.0748	0.206	<0.0374	--	<0.0374
	7/6/2012 DUP	<0.0748	<0.0374	0.0978	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.0457	0.0832	<0.0374	<0.0748	0.227	<0.0374	--	<0.0374
	12/5/2012	<0.0748	<0.0748	0.102	<0.0374	0.0394	<0.0374	<0.0374	<0.0748 *	<0.0374	<0.0748 *	<0.0374	<0.0374	0.057	0.0654	<0.0374	<0.0748	0.183	0.0503	--	<0.0374
	12/5/2012 DUP	<0.0748	<0.0748	0.109	<0.0374	0.0423	<0.0374	0.0397	<0.0748 *	0.0401	<0.0748 *	<0.0374	<0.0374	0.0792	0.0692	<0.0374	<0.0748	0.20	0.0761	--	<0.0374
	6/19/2013	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.0997	<0.0755	<0.0755	<0.151	0.173	0.102	<0.113	<0.0755
	12/13/2013	<0.152	<0.152	0.0926	<0.0762	<0.0762	<0.114	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	0.133	<0.0762	<0.114	<0.0762
	12/13/2013 DUP	<0.381	<0.381	<0.190	<0.190	<0.190	<0.190	<0.286	<0.286	<0.190	<0.286	<0.190	<0.190	<0.190	<0.190	<0.190	<0.190	<0.381	<0.190	<0.286	<0.190
	6/11/2014	<0.0381	<0.0381	0.0631	<0.0190	0.0296	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	0.0470	0.0311	<0.0190	0.0220	0.107	0.0486	<0.0286	<0.0190
12/19/2014	<0.0762	<0.0762	0.101	<0.0381	0.0329 J	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0436	0.0516	<0.0381	<0.0762	0.153	0.0417	--	<0.0381	
12/19/2014 DUP	<0.0755	<0.0755	0.0962	<0.0377	0.0399	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	0.0427	0.0541	<0.0377	<0.0755	0.146	0.0404	--	<0.0377	
6/26/2015	<0.151	<0.151	0.0628	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	0.0422	<0.0755	<0.151	0.075	<0.0755	<0.113	<0.0755	
ROD Cleanup Level ^{10.}		NA	2.1	23	NA	0.73	0.0012	0.00012	0.0012	0.4	0.0013	0.0013	0.00012	6.2	3.9	0.0012	12	6.3	10	NA	NA
JSCS SLV ^{11.}		NA	0.2	0.2	0.2	0.2	0.018	0.018	0.018	0.2	0.018	0.018	0.018	0.2	0.2	0.018	0.2	0.2	0.2	3.4	

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
SCHNITZER ASD YARD																					
MW-72 (continued)	12/16/2015	<0.0762	<0.0762	0.0613	<0.0381	0.0213 J	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0334 J	<0.0381	<0.0381	<0.0762	0.0758	0.0373 J	--	--
	12/16/2015 DUP	<0.0762	<0.0762	0.0585	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0322 J	<0.0381	<0.0381	<0.0762	0.0677	0.0327 J	--	--
	6/21/2016	<0.0769	<0.0769	0.0683	<0.0385	0.0227	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	0.0333	0.0453	<0.0385	<0.0769	0.131	0.0301	--	<0.0385
	6/21/2016 DUP	<0.0762	<0.0762	0.0667	<0.0381	0.0208	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0316	0.0435	<0.0381	<0.0762	0.124	0.0282	--	<0.0381
	12/7/2016	<0.0748 H	<0.0748 H	0.0871 H	<0.0374 H	0.0289 H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	0.0507 H	0.0449 H	<0.0374 H	<0.0748 H	0.126 H	0.0551 H	--	<0.0374 H
	12/7/2016 DUP	<0.0748 H	<0.0748 H	0.0808 H	<0.0374 H	0.0256 J, H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	<0.0374 H	0.0505 H	0.042 H	<0.0374 H	<0.0748 H	0.126 H	0.0552 H	--	<0.0374 H
	6/28/2017	<0.0755	<0.0755	0.123	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	0.0421	0.0887	<0.0377	<0.0755	0.208	0.0325 J	--	<0.0377
	12/14/2017	<0.0374	<0.0374	0.0718	<0.0187	0.0332	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	0.0487	0.0303	<0.0187	<0.0374	0.104	0.0561	<0.0280	<0.0187
	12/14/2017 DUP	<0.0374	<0.0374	0.0837	<0.0187	0.0392	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	0.0506	0.0292 M-04	<0.0187	<0.0374	0.117	0.05	<0.0280	<0.0187
	6/26/2018	<0.0748	<0.0748	0.108	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.0433	0.0644	<0.0374	<0.0748	0.192	0.0403	--	<0.0374
	12/18/2018	<0.0748	<0.0748	0.0643	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	0.0828	<0.0374	--	<0.0374
	12/18/2018 DUP	<0.0748	<0.0748	0.0611	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	0.0809	<0.0374	--	<0.0374
	6/21/2019	<0.0755	<0.0755	0.0612	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0755	0.0822	0.0416	--	<0.0377
	12/13/2019	<0.0377	<0.0377	0.0655	<0.0189	<0.0189	<0.0189	<0.0283	<0.0283	<0.189	<0.0283	<0.0189	<0.189	0.0350	0.0277	<0.189	<0.0377	0.0886	0.0372	<0.0283	<0.0189
	12/13/2019 DUP	<0.0385	<0.0385	0.0627	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.192	<0.0288	<0.192	<0.192	0.0356	0.0245	<0.0192	<0.0385	0.0918	0.0372	<0.0288	<0.0192
6/12/2020	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	0.104	<0.0769	<0.115	<0.0769	
MW-73	8/20/2009	--	--	0.113	<0.0952	0.121	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.19	0.194	0.327	<0.0952	0.089	0.629	0.256	--	--
	12/8/2009	--	--	0.0649 J	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	0.0817 J	0.0996	<0.0962	<0.0962	0.235	0.106	--	--
	6/3/2010	--	<0.0966	0.128	<0.0966	0.069 J	0.0157	0.0096	0.00665	<0.0966	0.00604	0.0207	<0.00483	0.118	0.194	0.00665	0.168	0.318	0.179	--	--
	6/3/2010 DUP	--	<0.0971	0.122	<0.0971	0.0606	0.0178	0.0141	0.00953	<0.0971	0.00875	0.0228	<0.00485	0.113	0.168	0.00882	0.166	0.285	0.168	--	--
	12/2/2010	--	--	0.179	<0.0962	0.166	<0.0962	0.0626 J	<0.0962	0.0749 J	<0.0962	0.0646 J	<0.192	0.219	0.949	<0.0962	0.13	1.09	0.363	--	--
	6/3/2011	--	<0.0952	<0.0952	<0.0952	<0.0952	0.0061	0.00635	<0.00476	<0.0952	<0.00476	0.00869	<0.00476	<0.0952	0.062 J	<0.00476	<0.0952	0.101	<0.0952	--	--
	12/16/2011	--	0.0895 J	0.0807 J	<0.0952	<0.0952	0.0072	0.00745	0.00585	<0.0952	0.00611	0.00977	<0.00476	<0.0952	<0.0952	0.00486	0.125	0.0625 J	0.0505 J	--	--
	3/28/2012	0.15	0.053 J	0.061 J	<0.048	<0.048	0.0083	0.011	0.0076	<0.048	0.0074	0.011	--	<0.048	<0.048	0.0063	0.065 J	0.071 J	0.048 J	--	--
	7/25/2012	<0.374	<0.112	<0.131	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.0456	<0.112	<0.0374	0.087	0.11	0.0633	--	<0.0374
	12/5/2012	<0.458	<0.159	<0.140	<0.0374	0.0661	<0.0374	<0.0374	<0.0748 *	<0.0374	<0.0748 *	<0.0374	<0.0374	0.0414	0.0458	<0.0374	0.0832	0.0885	0.069	--	<0.0374
	6/19/2013	<0.755	<0.755	<0.377	<0.377	<0.377	<0.377	<0.566	<0.566	<0.377	<0.566	<0.377	<0.377	<0.377	<0.377	<0.377	<0.755	<0.377	<0.377	<0.566	<0.377
	12/16/2013	<0.755	<0.755	<0.377	<0.377	<0.377	<0.377	<0.566	<0.566	<0.377	<0.566	<0.377	<0.377	<0.377	<0.377	<0.377	<0.755	<0.377	<0.377	<0.566	<0.377
	6/12/2014	0.836	0.320	0.201	<0.190	<0.190	0.115	0.162	<0.286	<0.190	<0.286	0.0970	<0.190	0.148	<0.190	<0.190	<0.381	0.160	0.177	<0.286	<0.190
	12/19/2014	0.620	0.284	<0.171	<0.0381	0.177	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0451	<0.0667	<0.0381	0.075 J	0.101	0.0578	--	<0.0381
	6/26/2015	0.747	0.437	0.149	<0.189	<0.189	<0.189	<0.283	<0.283	<0.283	<0.283	<0.189	<0.189	<0.189	<0.189	<0.189	<0.377	<0.377	<0.189	<0.283	<0.189
	12/18/2015	0.565	0.253	0.177	<0.0377	<0.0566	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0566	<0.0377	0.0751 J	0.0654	0.055	--	--
	6/23/2016	0.747	0.437	0.149	<0.189	<0.189	<0.189	<0.283	<0.283	<0.283	<0.283	<0.189	<0.189	<0.189	<0.189	<0.189	<0.377	<0.377	<0.189	<0.283	<0.189
	12/12/2016	0.705	0.282	0.241	<0.374	0.0919	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	0.0363 J	<0.374	<0.0374	<0.0748	0.0633	0.0485	--	<0.374
	6/28/2017	0.0642	0.301	0.247	<0.0377	0.137	0.0233 J	0.0248 J	0.0291 J	0.0349 J	<0.0377	<0.0377	<0.0377	0.0541	0.066	0.0345 J	0.0735 J	0.0704	0.0785	--	<0.0377
	12/14/2017	1.01	0.524	0.372	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	0.106	<0.112	0.157	<0.0748
	6/27/2018	1.32	0.720	0.460	<0.0377	0.0750	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	0.040	<0.0377	<0.0377	0.0109	0.0541	0.0491	--	<0.0377
	12/18/2018	0.941	0.597	0.335 M-02	<0.0377	0.1180	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	0.0506 M-04	<0.0377	0.0857	0.0546	0.0389	--
ROD Cleanup Level ¹⁰ .		NA	2.1	23	NA	0.73	0.0012	0.00012	0.0012	0.4	0.0013	0.0013	0.00012	6.2	3.9	0.0012	12	6.3	10	NA	NA
JSCS SLV ¹¹ .		NA	0.2	0.2	0.2	0.2	0														

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran	
		Concentrations in µg/L (ppb)																				
		SCHNITZER ASD YARD																				
MW-73 (continued)	6/20/2019	1.24	0.761	0.407	<0.0385	0.0469	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	0.0504	<0.0385	0.123	0.0529	0.0462	--	<0.0385	
	12/11/2019	0.594	0.343	0.248	<0.0377	0.150	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.189	<0.0377	<0.0755	0.0703	<0.0377	--	<0.0377	
	6/12/2020	0.793	0.398	<0.385	<0.192	<0.192	<0.192	<0.288	<0.288	<0.192	<0.288	<0.192	<0.192	<0.192	<0.192	<0.192	<0.385	<0.192	<0.192	<0.288	<0.192	
MW-77	8/20/2009	--	--	0.0582	<0.0952	<0.0952	<0.0952	0.05 J	<0.0952	<0.0952	<0.0952	<0.0952	<0.19	0.0805 J	<0.0952	<0.0952	<0.0952	0.0696	0.10	--	--	
	12/8/2009	--	--	0.0532 J	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	0.0648 J	<0.0962	<0.0962	<0.0962	0.0603 J	0.083 J	--	--	
MW-79	8/20/2009	--	--	0.061 J	<0.0971	0.0542 J	0.0668 J	0.0733 J	<0.0971	0.0738 J	<0.0971	0.109	<0.194	0.0716 J	<0.0971	<0.0971	<0.0971	0.0711 J	0.24	--	--	
	8/20/2009 DUP	--	--	0.0805 J	0.0484 J	0.133	0.261	0.306	0.194	0.307	0.12	0.379	<0.192	0.293	0.0759 J	0.152	0.129	0.231	0.647	--	--	
	12/8/2009	--	--	0.0714 J	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	0.0515 J	<0.0962	0.0715 J	<0.192	<0.0962	0.0529 J	<0.0962	0.0504 J	0.0524 J	0.142	--	--	
	12/8/2009 DUP	--	--	0.0771 J	<0.0962	0.0486 J	0.0595 J	0.0724 J	<0.0962	0.0796 J	<0.0962	0.103	<0.192	0.0705 J	0.0642 J	<0.0962	0.0625 J	0.0708 J	0.19	--	--	
	6/3/2010	--	<0.0966	0.064 J	<0.0966	0.0532 J	0.0385	0.0329	0.0177	<0.0966	0.0115	0.0592	0.00645	0.0651 J	<0.0966	0.0163	<0.0966	<0.0966	0.219	--	--	
	12/1/2010	--	--	0.0791 J	<0.0952	0.0496 J	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	0.0614	<0.19	0.0503 J	0.057 J	<0.0952	<0.0952	<0.0952	0.183	--	--	
	6/2/2011	--	<0.0971	<0.0971	<0.0971	<0.00485	0.0127	0.0125	<0.00485	<0.0971	<0.00485	0.0237	<0.00485	<0.0971	<0.0971	0.00505	<0.0971	<0.0971	0.0585 J	--	--	
	6/2/2011 DUP	--	<0.0966	<0.0966	<0.0966	<0.00483	0.0134	0.0118	<0.00483	<0.0966	<0.00483	0.0196	<0.00483	<0.0966	<0.0966	<0.00483	<0.0966	<0.0966	0.0566 J	--	--	
	12/16/2011	--	<0.0952	0.0538 J	<0.0952	<0.0952	<0.00476	<0.00476	<0.00476	<0.0952	<0.00476	0.00564	<0.00476	<0.0952	0.0509 J	<0.00476	<0.0952	<0.0952	<0.0952	--	--	
	3/28/2012	<0.049	<0.049	<0.049	<0.049	<0.049	0.055	0.071	0.046	<0.049	0.019	0.11	--	<0.049	<0.049	0.025	<0.049	<0.049	0.14	--	--	
	7/6/2012	<0.0748	<0.0748	<0.0374	<0.0374	0.0594	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	--	<0.0374	
	12/5/2012	0.103	<0.0748	0.0391	<0.0374	0.0543	<0.0374	<0.0374	<0.0748 *	<0.0374	<0.0748 *	<0.0374	<0.0374	<0.0374	0.0624	<0.0374	<0.0748	0.0385	<0.0374	--	<0.0374	
	6/19/2013	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	
	12/13/2013	<0.152	<0.152	<0.0762	<0.0762	0.0804	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	<0.114	<0.0762	
	6/12/2014	0.0198	<0.0385	0.0328	<0.0192	0.0418	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	0.0234	<0.0192	0.0591	0.0214	<0.0192	<0.0288	<0.0192	
	12/19/2014	<0.151	<0.151	<0.0755	<0.0755	0.0877	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	
	6/26/2015	<0.151	<0.151	<0.0755	<0.0755	0.0457	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	0.0889	<0.0755	<0.0755	<0.113	<0.0755	
	12/18/2015	<0.152	<0.152	<0.0762	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	--	--	
	6/23/2016	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769	
	12/12/2016	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769	
	6/28/2017	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	
	12/14/2017	<0.151	<0.151	<0.0755	<0.0755	0.0854	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755	
	6/26/2018	<0.152	<0.152	<0.0762	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	<0.114	<0.0762	
	12/18/2018	<0.152	<0.152	<0.0762	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	<0.0762	<0.0762	<0.0762	<0.152	<0.0762	<0.0762	<0.114	<0.0762	
	6/20/2019	<0.150	<0.150	<0.0748	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748	
	12/10/2019	<0.0748	<0.0748	<0.0374	<0.0374	0.0409	<0.0374	<0.0561	<0.0561	<0.0374	<0.0561	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	<0.0561	<0.0374
	6/11/2020	<0.0385	<0.0385	<0.0192	<0.0192	0.0318	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0192	<0.0385	<0.0192	<0.0192	<0.0288	<0.0192
ROD Cleanup Level ^{10.}		NA	2.1	23	NA	0.73	0.0012	0.00012	0.0012	0.4	0.0013	0.0013	0.00012	6.2	3.9	0.0012	12	6.3	10	NA	NA	
JSCS SLV ^{11.}		NA	0.2	0.2	0.2	0.2	0.018	0.018	0.018	0.2	0.018	0.018	0.018	0.2	0.2	0.018	0.2	0.2	0.2	3.4	3.7	

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
		SCHNITZER ASD YARD																			
MW-80	12/8/2009	--	--	0.185	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.192	0.0974	<0.0962	<0.0962	0.0988	0.0896 J	0.134	--	--
	12/2/2010	--	--	0.0591 J	<0.0971	<0.0971	<0.0971	0.0559 J	<0.0971	0.0576 J	<0.0971	0.055 J	<0.194	0.123	<0.0971	<0.0971	0.114	0.0914 J	0.203	--	--
	12/16/2011	--	<0.0952	0.251	<0.0952	<0.0952	0.0129	0.0179	0.0127	<0.0952	0.0133	0.0187	<0.00476	<0.0952	<0.0952	0.0117	<0.0952	0.0917 J	0.0624 J	--	--
	3/29/2012	<0.049	<0.049	0.093 J	<0.049	<0.049	<0.0049	<0.0049	<0.0049	<0.049	<0.0049	0.0054	--	<0.049	<0.049	<0.0049	<0.049	<0.049	<0.049	--	--
	7/6/2012	<0.0748	<0.0748	0.0726	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	0.0376	--	<0.0374
	12/16/2013	<0.151	<0.151	0.298	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	0.158	<0.0755	<0.113	<0.0755
	12/23/2014	<0.0377	<0.0377	0.0484	<0.0189	0.0109 J	<0.0189	<0.0283	<0.0283	<0.0189	<0.0283	<0.0189	<0.0189	0.0192	0.0106 J	<0.0189	<0.0189	0.0188 J	0.0432	<0.0283	<0.0189
	12/18/2015	<0.0762	<0.0762	0.0190 J	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	0.0190 J	<0.0381	<0.0381	<0.0762	<0.0381	0.061	--	--
	12/9/2016	<0.0748	<0.0748	0.0343 J	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	0.0363 J	--	<0.0374
	12/14/2017	<0.0374	<0.0374	<0.0187	<0.0187	<0.0187	<0.0187	<0.0280	<0.0280	<0.0187	<0.0280	<0.0187	<0.0187	<0.0187	<0.0187	<0.0187	<0.0374	<0.0187	<0.0187	<0.0280	<0.0187
	12/18/2018	<0.0748	<0.0748	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0748	<0.0374	<0.0374	<0.0374	<0.0374
	12/13/2019	<0.0381	<0.0381	<0.0190	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	<0.0190	<0.0190	<0.0190	<0.0381	<0.0190	0.0385 B-	<0.0286	<0.0190
MW-86	7/2/2019	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	9/10/2019	<0.160	<0.160	<0.0800	<0.0800	<0.0800	<0.0800	<0.120	<0.120	<0.0800	<0.120	<0.0800	<0.0800	<0.0800	<0.0800	<0.0800	<0.160	<0.0800	<0.0800	<0.120	<0.0800
	12/13/2019	<0.165	<0.165	<0.0825	<0.0825	<0.0825	<0.0825	<0.124	<0.124	<0.0825	<0.124	<0.0825	<0.0825	<0.0825	<0.0825	<0.0825	<0.165	<0.0825	<0.0825	<0.124	<0.0825
	3/18/2020	<0.150	<0.150	<0.0748	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748
	6/12/2020	<0.150	<0.150	<0.0748	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	0.114	0.114	<0.0748	<0.150	<0.0748	0.0927	0.357	<0.0748
	9/9/2020	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	0.107	<0.0755	<0.151	0.101	<0.0755	<0.113	<0.0755
	12/3/2020	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	0.116	<0.0755	<0.151	0.109	<0.0755	<0.113	<0.0755
	3/11/2021	<0.152	<0.152	<0.0762	<0.0762	<0.0762	<0.0762	<0.114	<0.114	<0.0762	<0.114	<0.0762	<0.0762	0.119	<0.0762	<0.0762	<0.152	0.184	0.159	0.205	<0.0762
	6/8/2021	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	0.170	0.120	<0.0769	<0.154	0.354	0.310	<0.115	<0.0769
	9/22/2021	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	0.0995	0.0954	<0.0755	<0.151	0.278	0.164	<0.113	<0.0755
	11/30/2021	<0.170	<0.170	<0.0851	<0.0851	<0.0851	<0.0851	<0.128	<0.128	<0.0851	<0.128	<0.0851	<0.0851	<0.0851	<0.0851	<0.0851	<0.170	0.178	0.101	<0.128	<0.0851
	3/1/2022	<0.165	<0.165	<0.0825	<0.0825	<0.0825	<0.0825	<0.124	<0.124	<0.124	<0.0825	<0.0825	<0.0825	0.0918	<0.0825	<0.0825	<0.165	0.0980	0.109	<0.124	<0.0825
MW-87	7/2/2019	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	0.0950	<0.0755	<0.113	<0.0755
	7/2/2019 DUP	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	0.0938	<0.0755	<0.113	<0.0755
	9/11/2019	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	9/11/2019 DUP	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	12/11/2019	<0.168	<0.168	<0.0842	<0.0842	<0.0842	<0.0842	<0.126	<0.126	<0.0842	<0.126	<0.0842	<0.0842	<0.0842	<0.0842	<0.0842	<0.168	<0.0842	<0.0842	<0.126	<0.0842
	12/11/2019 DUP	<0.0777	<0.0777	<0.0388	<0.0388	0.0499	<0.0388	<0.0388	<0.0388	<0.0388	<0.0388	<0.0388	<0.0388	0.0623	<0.0388	<0.0388	<0.0777	0.0750	0.0608	--	<0.0388
	3/18/2020	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	<0.0769	<0.115	<0.0769
	6/12/2020	<0.150	<0.150	<0.0748	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748
	9/9/2020	<0.151	<0.151	<0.0755	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	12/2/2020	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769								

Please refer to notes at end of table.

Table E-3
Historical Groundwater Analytical Results - Polycyclic Aromatic Hydrocarbons
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Carbazole	Dibenzofuran
		Concentrations in µg/L (ppb)																			
		SCHNITZER ASD YARD																			
MW-88	7/2/2019	<0.150	<0.150	0.281	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	0.138	<0.0748	<0.112	<0.0748
	9/11/2019	<0.150	<0.150	0.892	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	0.114	<0.0748	<0.112	<0.0748
	12/13/2019	<0.151	<0.151	0.0946	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	3/18/2020	<0.150	<0.150	0.0836	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748
	6/12/2020	<0.150	<0.150	0.119	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748
	9/11/2020	<0.155	<0.155	0.115	<0.0777	<0.0777	<0.0777	<0.117	<0.117	<0.0777	<0.117	<0.0777	<0.0777	<0.0777	<0.0777	<0.0777	<0.155	<0.0777	<0.0777	<0.117	<0.0777
	12/3/2020	<0.151	<0.151	0.145	<0.0755	<0.0755	<0.0755	<0.113	<0.113	<0.0755	<0.113	<0.0755	<0.0755	<0.0755	<0.0755	<0.0755	<0.151	<0.0755	<0.0755	<0.113	<0.0755
	12/3/2020 DUP	<0.150	<0.150	0.149	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748
	3/11/2021	<0.150	<0.150	0.125	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748
	6/11/2021	<0.160	<0.160	0.134 X	<0.0800	<0.0800	<0.0800	<0.120	<0.120	<0.0800	<0.120	<0.0800	<0.0800	<0.0800	<0.0800	<0.0800	<0.160	<0.0800	<0.0800	<0.120	<0.0800
	9/23/2021	<0.162	<0.162	0.103	<0.0808	<0.0808	<0.0808	<0.121	<0.121	<0.0808	<0.121	<0.0808	<0.0808	<0.0808	<0.0808	<0.0808	<0.162	<0.0808	<0.0808	<0.121	<0.0808
	11/30/2021	<0.163	<0.163	0.0831	<0.0816	<0.0816	<0.0816	<0.122	<0.122	<0.0816	<0.122	<0.0816	<0.0816	<0.0816	<0.0816	<0.0816	<0.163	<0.0816	<0.0816	<0.122	<0.0816
	3/2/2022	<0.163	<0.163	0.0984	<0.0816	<0.0816	<0.0816	<0.122	<0.122	<0.122	<0.0816	<0.0816	<0.0816	<0.0816	<0.0816	<0.0816	<0.163	<0.0816	<0.0816	<0.122	<0.0816
	3/2/2022 DUP	<0.165	<0.165	0.119	<0.0825	<0.0825	<0.0825	<0.124	<0.124	<0.124	<0.0825	<0.0825	<0.0825	<0.0825	<0.0825	<0.0825	<0.165	<0.0825	<0.0825	<0.124	<0.0825
MW-89	7/2/2019	<0.157	<0.157	<0.0784	<0.0784	<0.0784	<0.0784	<0.118	<0.118	<0.0784	<0.118	<0.0784	<0.0784	<0.0784	<0.0784	<0.0784	<0.157	<0.0784	<0.0784	<0.118	<0.0784
	9/10/2019	<0.178	<0.178	<0.0889	<0.0889	<0.0889	<0.0889	<0.133	<0.133	<0.0889	<0.133	<0.0889	<0.0889	<0.0889	<0.0889	<0.0889	<0.178	<0.0889	<0.0889	<0.133	<0.0889
	12/16/2019	<0.154	<0.154	<0.0769	<0.0769	<0.0769	<0.0769	<0.115	<0.115	<0.0769	<0.115	<0.0769	<0.0769	<0.0769	<0.0769	<0.0769	<0.154	<0.0769	0.102	<0.115	<0.0769
	3/18/2020	<0.150	<0.150	<0.0748	<0.0748	<0.0748	<0.0748	<0.112	<0.112	<0.0748	<0.112	<0.0748	<0.0748	<0.0748	<0.0748	<0.0748	<0.150	<0.0748	<0.0748	<0.112	<0.0748
	6/11/2020	<0.0385	<0.0385	0.0481	<0.0192	<0.0192	<0.0192	<0.0288	<0.0288	<0.0192	<0.0288	<0.0192	<0.0192	0.0217	<0.0192	<0.0192	<0.0385	0.0426	0.0257	<0.0288	<0.0192
	9/9/2020	<0.0377	<0.0377	0.0427	<0.0189	0.0195	<0.0189	0.0323	<0.0283	0.0285	<0.0283	<0.0189	<0.0189	0.0382	<0.0189	<0.0189	<0.0377	0.0553	0.0456	<0.0283	<0.0189
	12/1/2020	<0.0412	<0.0412	0.0651	<0.0206	<0.0206	<0.0206	<0.0309	<0.0309	<0.0206	<0.0309	<0.0206	<0.0206	<0.0206	<0.0206	<0.0206	<0.0412	0.0402	<0.0206	<0.0309	<0.0206
	3/11/2021	<0.0381	<0.0381	0.0453	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	0.0275	<0.0190	<0.0190	<0.0381	0.0419	0.0337	<0.0286	<0.0190
	6/11/2021	<0.0396	<0.0396	0.0909 X	<0.0198	0.0215 X	<0.0198	<0.0297	<0.0297	<0.0198	<0.0297	<0.0198	<0.0198	0.0273 X	<0.0198	<0.0198	<0.0396	0.0560 X	0.0336 X	<0.0297	<0.0198
	9/22/2021	<0.0396	<0.0396	0.0392	<0.0198	<0.0198	<0.0198	<0.0283	<0.0283	<0.0198	<0.0283	<0.0198	<0.0198	0.0207	<0.0198	<0.0198	<0.0396	0.0340	0.0215	<0.0283	<0.0198
	12/1/2021	<0.0381	<0.0381	0.0774	<0.0190	<0.0190	<0.0190	<0.0286	<0.0286	<0.0190	<0.0286	<0.0190	<0.0190	0.0291	<0.0190	<0.0190	<0.0381	0.0459	0.0322	<0.0286	<0.0190
	3/2/2022	<0.0404	<0.0404	0.105	<0.0202	<0.0202	<0.0202	<0.0303	<0.0303	<0.0303	<0.0202	<0.0202	<0.0202	0.0255	<0.0202	<0.0202	<0.0404	0.0574	0.0255	<0.0303	<0.0202
	MW-93	12/29/2021	<0.167	<0.167	<0.0833	<0.0833	<0.0833	<0.0833	<0.125	<0.125	<0.0833	<0.125	<0.0833	<0.0833	<0.0833	<0.0833	<0.0833	<0.167	<0.0833	<0.0833	<0.125
3/2/2022		<0.163	<0.163	0.115	<0.0816	<0.0816	<0.0816	<0.122	<0.122	<0.122	<0.0816	<0.0816	<0.0816	<0.0816	<0.0816	<0.0816	<0.163	<0.0816	<0.0816	<0.122	<0.0816
ROD Cleanup Level ^{10.}		NA	2.1	23	NA	0.73	0.0012	0.00012	0.0012	0.4	0.0013	0.0013	0.00012	6.2	3.9	0.0012	12	6.3	10	NA	NA
JSCS SLV ^{11.}		NA	0.2	0.2	0.2	0.2	0.018	0.018	0.018	0.2	0.018	0.018	0.018	0.2	0.2	0.018	0.2	0.2	0.2	3.4	3.7

Notes:

1. PAHs = polycyclic aromatic hydrocarbons by EPA Method 8270 SIM.

2. µg/L (ppb) = micrograms per liter (parts per billion).

3. -- = not analyzed or not applicable.

4. **Bold** denotes analyte detected above laboratory reporting limit.

5. J = result is less than the reporting limit, but greater than or equal to the detection limit.

6. Z = the chromatographic response does not resemble a typical fuel pattern.

7. F-11 = hydrocarbon pattern indicates sample is possibly weathered diesel or from another related compound.

8. F-13 = The sample chromatogram does not resemble the fuel standard used for quantitation. Value is estimated.

9. H = Holding time violation. Reported values are minimum concentrations.

10. ROD Cleanup Levels from U.S. EPA Errata #2 for the Record of Decision Table 17 for Portland Harbor Superfund Site, Portland, Oregon, January 2020. The level shown is the Groundwater Cleanup Level unless one was not available, in which case the Surface Water Cleanup Level was used, per DEQ Guidance.

11. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005.

12. Shading denotes analyte detected above screening criteria. As instructed by DEQ, concentrations of analytes were compared to the Portland Harbor Cleanup Level. If neither a Groundwater or Surface Water Cleanup Level was available, the data were compared to the Joint Source Control Strategy Screening Level Value.

13. M-04 = Due to matrix interference, this analyte cannot be accurately quantified. The reported result may contain a high bias.

14. NA = Cleanup Level and SLV not available for this analyte.

15. < = constituent was not detected at a concentration greater than laboratory method reporting limit shown.

16. X = Due to QC results that were outside acceptable limits, samples were re-run. This second run was one day past acceptable hold times; results are considered estimated values.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-22	12/15/2015	<1.00	<1.00	1.17	1.03	9.26	4.04	<0.200	<0.200	3.13	2.81	0.944 J	<1.00	0.311	<0.200	206	0.733 J	--	--	0.978 J	<1.00	13.8	4.57
	12/7/2016	<1.00	<1.00	1.43	1.39	5.99	2.72	<0.200	<0.200	<1.00	<1.00	0.780 J	0.544 J	0.25	<0.200	145	0.767 J	--	--	<1.00	<1.00	7.57	3.40 J
	12/14/2017	<1.00	<1.00	9.54	1.52	388	3.7	1.26	<0.200	30.4	<1.00	61.6	<1.00	31.7 B	<0.200	4,290	3.49	--	--	45.8 B-02	<1.00	318	<4.00
	12/20/2018	<1.00	<1.00	1.94	1.49	32.9 B-02	6.76	<0.200	<0.200	2.38	<1.00	9.57	1.55	2.89	0.334	302	51.2	--	--	4.52	<1.00	60.0	8.52
	12/12/2019	<1.00	<1.00	2.40	<2.00	13.3	4.32	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.740	<0.200	76.3	2.02	--	--	<2.00	<2.00	7.78	<4.00
	12/2/2020	<1.00	<1.00	2.31	2.20	5.22	3.32	<0.200	<0.200	1.01	<1.00	<2.00	<2.00	<0.200	<0.200	29.2	3.18	--	--	<2.00	<2.00	5.04	<4.00
	11/30/2021	<1.00	<1.00	2.26	2.28	7.02	2.88	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.331	<0.200	123.0	<1.00	--	--	<2.00	<2.00	14.1	<4.00
MW-42	12/15/2015	<1.00	<1.00	0.722 J	0.622 J	30.1	29.6	<0.200	<0.200	0.878 J	0.756 J	<1.00	<1.00	<0.200	<0.200	3.12	0.911 J	--	--	<1.00	<1.00	<4.00	5.91
	12/7/2016	<1.00	<1.00	0.922 J	1.00	44.2	45.6	<0.200	<0.200	0.584 J	0.622 J	<1.00	0.522 J	<0.200	<0.200	1.21	1.2	<0.0800	<0.0800	<1.00	0.578 J	2.68 J	4.19
	12/14/2017	<1.00	<1.00	1.12	1.21	44.2	45.4	<0.200	<0.200	1.1	1.15	<1.00	<1.00	0.257	<0.200	18.9	29.2	<0.0800	--	<1.00	<1.00	4.99	<4.00
	12/20/2018	<1.00	<1.00	1.04	<1.00	49.2 B-02	47.0	<0.200	<0.200	<1.00	<1.00	1.28	<1.00	<0.200	<0.200	92.9	55.5	--	--	1.07	<1.00	<4.00	<4.00
	12/11/2019	<1.00	<1.00	<1.00	<1.00	46.9	43.1	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	166	154	--	--	<1.00	<1.00	<4.00	<4.00
	12/2/2020	<1.00	<1.00	1.12	<1.00	39.2	36.9	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	13.6	<1.00	<0.0800	--	<2.00	<2.00	<4.00	<4.00
	11/30/2021	<1.00	<1.00	<1.00	<1.00	64.6	66.1	<0.200	<0.200	<2.00	<1.00	3.58	3.10	<0.200	<0.200	6.81	<1.00	<0.0800	--	<2.00	<2.00	11.1	6.80
MW-52	1/21/2019	--	<1.00	--	<1.00	--	52.6	--	<0.200	--	<1.00	--	1.25	--	<0.200	--	278	--	--	--	2.24	--	4.11
	3/5/2019	--	<1.00	--	<1.00	--	57.1	--	<0.200	--	<1.00	--	2.30	--	0.568	--	485	--	--	--	3.59	--	9.48
	6/19/2019	--	<1.00	--	<1.00	--	47.4	--	<0.200	--	<1.00	--	1.07	--	<0.200	--	183	--	--	--	1.64	--	<4.00
	9/10/2019	--	<1.00	--	<1.00	--	44.8	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	252	--	--	--	1.98	--	<4.00
	12/10/2019	<1.00	<1.00	<1.00	<1.00	50.2	45.3	<0.200	<0.200	<1.00	<1.00	1.35	<1.00	<0.200	<0.200	242	218	--	--	2.17	1.75	6.73	5.23
	3/17/2020	<1.00	<1.00	<1.00	<1.00	37.9	37.4	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	282	262	--	--	2.08	<2.00	<4.00	<4.00
	6/10/2020	<1.00	<1.00	<1.00	<1.00	59.9	56.9	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	189	183	--	--	<2.00	<2.00	7.63	5.62
	9/10/2020	<1.00	<1.00	<1.00	<1.00	41.1	39.9	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	251	242	--	--	2.01	<2.00	<4.00	<4.00
	12/1/2020	<1.00	<1.00	<1.00	<1.00	49.0	45.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	214	195	--	--	<2.00	<2.00	4.44	<4.00
	3/10/2021	<1.00	<1.00	<1.00	<1.00	38.3	37.3	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	241	224	--	--	<2.00	<2.00	<4.00	<4.00
	6/10/2021	<1.00	<1.00	<1.00	<1.00	44.4	43.3	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	219	227	--	--	3.19	<2.00	<4.00	<4.00
	9/23/2021	<1.00	<1.00	<1.00	<1.00	38.7	37.0	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	252	232	--	--	<2.00	<2.00	<4.00	<4.00
	12/2/2021	<1.00	<1.00	<1.00	<1.00	39.4	37.2	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	338	309	--	--	2.69	2.23	<4.00	<4.00
	3/2/2022	<1.00	<1.00	<1.00	<1.00	41.9	42.0	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	225	222	--	--	2.11	<2.00	<4.00	<4.00
MW-62	1/21/2019	--	<1.00	--	1.12	--	27.2	--	<0.200	--	<1.00	--	1.89	--	<0.200	--	221	--	--	--	3.52	--	25.1
	3/6/2019	--	<1.00	--	1.34	--	31.5	--	<0.200	--	<1.00	--	4.24	--	0.708	--	397	--	--	--	2.38	--	48.4
	6/19/2019	--	<1.00	--	1.19	--	27.8	--	<0.200	--	<1.00	--	1.41	--	<0.200	--	161	--	--	--	2.01	--	11.9
	9/10/2019	--	<1.00	--	1.26	--	40.4	--	<0.200	--	<1.00	--	2.52	--	<0.200	--	152	--	--	--	2.77	--	11.2
	12/10/2019	<1.00	<1.00	1.25	1.28	42.3	38.5	<0.200	<0.200	<1.00	<1.00	2.63	1.81	<0.200	<0.200	294	267	--	--	3.17	2.93	13.8	10.6
	3/17/2020	<1.00	<1.00	1.27	1.34	28.6	27.1	<0.200	<0.200	<1.00	<1.00	2.07	<2.00	<0.200	<0.200	89.9	58.0	--	--	<2.00	<2.00	16.1	9.24
	6/10/2020	<1.00	<1.00	1.38	1.34	20.3	19.5	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	185	175	--	--	2.13	<2.00	14.9	10.6
	9/10/2020	<1.00	<1.00	1.44	1.40	40.5	39.5	<0.200	<0.200	<1.00	<1.00	2.43	2.12	<0.200	<0.200	144	138	--	--	2.61	2.92	10.2	9.32
	12/1/2020	<1.00	<1.00	1.38	1.34	32.4	30.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	153	137	--	--	<2.00	2.09	10.1	7.46
	3/9/2021	<1.00	<1.00	1.36	1.52	25.2	26.1	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	45.0	40.4	--	--	<2.00	<2.00	6.77	5.94
	6/8/2021	<1.00	<1.00	1.16	1.24	31.7	29.6	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	231	220	--	--	3.11	2.65	10.5	10.2
	9/21/2021	<1.00	<1.00	1.34	1.25	40.2	36.9	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	155	141	--	--	4.33	3.73	8.50	7.46
	12/2/2021	<1.00	<1.00	1.27	1.38	23.8	32.6	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	138	752	--	--	2.02	2.15	9.33	8.15
	3/2/2022	<1.00	<1.00	1.34	1.34	32.2	29.3	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	37.3	27.9	--	--	<2.00	<2.00	7.47	5.87
ROD Cleanup Level ⁶ .		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5	
JSCS SLV ⁷ .		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36	

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
AREA 1																							
MW-90	7/2/2019	--	<1.00	--	<1.00	--	26.0	--	<0.200	--	<1.00	--	7.38	--	<0.200	--	672	--	--	--	3.79	--	7.81
	9/10/2019	--	<1.00	--	3.29	--	34.2	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,570	--	--	--	2.88	--	<4.00
	12/12/2019	<1.00	<1.00	<2.00	<2.00	21.2	20.5	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	315	335	--	--	2.00	2.10	<4.00	<4.00
	3/17/2020	<1.00	<1.00	1.39	<1.00	16.4	11.6	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	612	317	--	--	<2.00	<2.00	<4.00	<4.00
	6/9/2020	<1.00	<1.00	1.05	<1.00	25.4	22.1	<0.200	0.581	<1.00	<1.00	<2.00	<2.00	0.204	0.279	379	237	--	--	<2.00	<2.00	<4.00	<4.00
	9/9/2020	<1.00	<1.00	<1.00	<1.00	15.7	13.4	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	449	346	--	--	<2.00	<2.00	<4.00	<4.00
	12/1/2020	<1.00	<1.00	<1.00	<1.00	13.5	11.2	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	137	99.5	--	--	<2.00	<2.00	7.07	<4.00
	6/8/2021	<1.00	<1.00	<1.00	<1.00	8.14	7.52	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	74.6	32.4	--	--	<2.00	<2.00	<4.00	<4.00
	9/22/2021	<1.00	<1.00	<1.00	<1.00	11.0	9.08	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	182	107	--	--	<2.00	<2.00	<4.00	<4.00
	12/2/2021	<1.00	<1.00	<1.00	<1.00	12.5	9.96	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.237	<0.200	162	24	--	--	<2.00	<2.00	<4.00	<4.00
	12/2/2021 DUP	<1.00	<1.00	<1.00	<1.00	12.2	9.78	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.228	<0.200	144	26	--	--	<2.00	<2.00	<4.00	<4.00
	3/2/2022	<1.00	<1.00	<1.00	<1.00	14.5	7.44	<0.200	<0.200	2.02	<2.00	2.51	<2.00	1.38	<0.200	87.1	18.6	--	--	2.16	<2.00	17.2	5.69
MW-91	7/2/2019	--	<1.00	--	1.52	--	82.4	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,800	--	--	--	4.75	--	7.53
	9/10/2019	--	<1.00	--	<1.00	--	56.0	--	<0.200	--	<1.00	--	3.04	--	<0.200	--	165	--	--	--	2.54	--	23.1
	12/12/2019	<1.00	<1.00	<2.00	<2.00	47.2	45.4	<0.200	<0.200	<2.00	<2.00	2.79	2.28	<0.200	<0.200	91.5	60	--	--	<2.00	<2.00	13.3	12.8
	3/17/2020	<1.00	<1.00	2.08	2.05	83.8	81.3	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	642	675	--	--	3.45	2.86	5.94	6.95
	6/10/2020	<1.00	<1.00	2.12	1.93	79.2	74.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	0.648	773	747	--	--	2.81	2.46	6.00	<4.00
	9/10/2020	<1.00	<1.00	1.95	2.02	85.7	84.5	0.291	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	247	253	--	--	2.69	2.98	39.5	36.3
	12/1/2020	<1.00	<1.00	1.52	1.57	59.7	57.5	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	140	139	--	--	2.04	2.36	21.0	19.5
	3/11/2021	<1.00	<1.00	1.66	1.51	93.2	91.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	282	267	--	--	7.62	7.51	4.99	<4.00
	6/10/2021	<1.00	<1.00	1.46	1.47	88.4	86.9	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	281	292	--	--	13.5	7.28	<4.00	<4.00
	9/23/2021	<1.00	<1.00	2.00	2.04	97.7	90.0	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	691	625	--	--	3.48	3.16	4.25	<4.00
	12/2/2021	<1.00	<1.00	2.03	1.61	84.8	78.3	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.341	<0.200	459	411	--	--	5.12	4.96	6.23	<4.00
	3/3/2022	<1.00	<1.00	1.71	1.41	45.6	43.5	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.351	<0.200	204	195	--	--	2.33	<2.00	52.3	49.7
AREA 2																							
MW-17	12/1/2010	0.09 J	--	32.8	--	7.39	--	<1.0	--	3.31		3.70	--	2.98	--	2,360	--	--	--	2.78	--	9.11 J	--
	12/1/2010 DUP	0.081 J	--	32.2	--	73.2	--	<1.0	--	3.26		3.53	--	2.92	--	2,520	--	--	--	2.83	--	8.6 J	--
	6/2/2011	0.06 J	--	2.94	--	24.9	--	<1.0	--	1.14 J		1.49 J	--	0.61 J	--	2,490	--	--	--	4.50	--	3.31 J	--
	12/14/2011	0.09 J	--	7.20	--	2.46	--	<1.0	--	2.73		2.42	--	1.69	--	2,190	--	--	--	3.18	--	7.06	--
	12/14/2011 DUP	0.11 J	--	7.85	--	25.1	--	<1.0	--	2.60		2.63	--	1.97	--	2,260	--	--	--	3.24	--	8.04 J	--
	3/27/2012	--	--	4.20	--	23.0	--	<0.19	--	<0.84		0.53 J	--	0.26 J	--	3,300	--	--	--	2.20	--	<3.1	--
	3/27/2012 DUP	--	--	4.30	--	22.0	--	<0.19	--	<0.84		0.71 J	--	0.31 J	--	4,000	--	--	--	2.20	--	<3.1	--
	7/6/2012	<1.0	--	19.6	--	44.3	--	<1.0	--	<2.0		2.86	--	1.94	--	4,810	--	--	--	5.90	--	7.31	--
	12/5/2012	<1.0	--	16.1	--	36.1	--	<1.0	--	<2.0		<2.0	--	<1.0	--	5,130	--	--	--	3.01	--	4.17	--
	6/19/2013	<1.0	--	17.2	--	25.9	--	<1.0	--	<2.0		<2.0	--	<1.0	--	6,260	--	--	--	5.03	--	<4.0	--
	6/19/2013 DUP	<1.0	--	19.0	--	26.7	--	<1.0	--	<2.0		<2.0	--	<1.0	--	5,890	--	--	--	4.59	--	<4.0	--
	12/16/2013	<1.00	--	11.8	--	21.1	--	<0.200	--	1.08		<1.00	--	0.378	--	3,010	--	--	--	2.11	--	<4.00	--
	12/16/2013 DUP	<1.00	--	11.4	--	21.4	--	<0.200	--	<1.00		<1.00	--	0.456	--	2,990	--	--	--	2.11	--	<4.00	--
	6/11/2014	<1.00	--	18.1	--	48.2	--	0.200	--	1.40		<1.00	--	<0.200	--	5,850	--	--	--	4.79	--	<4.00	--
	6/11/2014 DUP	<1.00	--	18.9	--	49.5	--	0.344	--	1.46		<1.00	--	<0.200	--	5,940	--	--	--	5.44	--	<4.00	--
	12/23/2014	<1.00	--	12.9	--	21.3	--	<0.200	--	<1.00		1.51 J	--	<0.200	--	4,060	--	--	--	1.09	--	<4.00	--
	12/23/2014 DUP	<1.00	--	12.8	--	21.5	--	<0.200	--	<1.00		<0.200	--	<0.200	--	3,980	--	--	--	1.09	--	<4.00	--
7/6/2015	<1.00	--	18.6	--	43.2	--	0.0444	--	0.711	--	1.06	--	0.267	--	4,100	--	--	--	1.53	--	3.06	--	
12/17/2015	<1.00	<1.00	11.7	5.09	30.6	4.76	0.0667 J	<0.200	1.00	<1.00	2.13	<1.00	0.922	<0.200	3,660	3,730	--	--	2.46	1.36	13.7	4.02	
ROD Cleanup Level ⁶		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5	
JSCS SLV ⁷		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36	

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-17 (continued)	12/17/2015 DUP	<1.00	<1.00	11.8	4.56	30.9	4.53	<0.200	<0.200	0.844 J	<1.00	1.87	<1.00	0.767	<0.200	3,700	3,720	--	--	2.16	3.02	5.9	5.73
	6/22/2016	<1.00	<1.00	14	2.92	37.7	12.40	<0.200	<0.200	<1.00	<1.00	0.567	<1.00	0.2	<0.200	5,050	5,170	--	--	2.64	2.92	2.11	<4.00
	6/22/2016 DUP	<1.00	<1.00	17.5	2.88	41.9	11.60	<0.200	<0.200	<1.00	<1.00	<1.00	0.79	0.233	<0.200	4,820	4,710	--	--	1.63	1.70	<4.00	2.53
	12/9/2016	<1.00	<1.00	13.1	12.0	26.6	19.8	<0.200	<0.200	0.733 J	0.544 J	2.02	0.656 J	0.300	<0.200	3,700	3,680	--	--	1.69	1.29	6.68	5.61
	12/9/2016 DUP	<1.00	<1.00	13.1	11.9	26.1	19.5	<0.200	<0.200	0.611 J	<1.00	2.23	<1.00	0.344	<0.200	3,780	3,670	--	--	1.78	1.20	6.70	4.20
	6/28/2017	<1.00	<1.00	15.8	14.2	115	108	0.0667 J	<0.200	1.03	<1.00	1.88	0.9 J	0.244	<0.200	15,900	16,400	--	--	17.6	18.3	2.89 J	<4.00
	12/13/2017	<1.00	<1.00	12.9	15.1	27.9	26	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	5,580 Q42	6,330	--	--	2.48	1.12	<4.00	<4.00
	12/13/2017 DUP	<1.00	<1.00	12.4	15.2	27.8	26.3	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	5,640	6,270	--	--	2.33	1.22	<4.00	<4.00
	6/27/2018	<1.00	<1.00	20.6	23	59.6	54.6	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	6,570	6,810	<0.0800	<0.160	6.02	3.31	<4.00	<4.00
	12/19/2018	<1.00	<1.00	12.7	10.9	34.1 B-02	21.9	0.207	<0.200	1.73	<1.00	4.91	<1.00	2.18	<0.200	4,630	5,240	--	--	3.84	<1.00	10.9	<4.00
	12/19/2018 DUP	<1.00	<1.00	12.2	11.9	45.9 B-02	20.2	0.362	<0.200	3.61	<1.00	7.30	<1.00	4.63	<0.200	4,760	4,640	--	--	6.10	<1.00	15.0	<4.00
	3/6/2019	<1.00	<1.00	12.7	12.9	35.4	34.8	<0.200	<0.200	1.17	1.59	2.15	1.98	0.63	0.591	5,040	4,800	--	--	2.69	1.84	6.98	<4.00
	6/19/2019	<1.00	<1.00	16.9	14.4	70.3 B-02	61.0	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	5,840	5,130	--	--	2.45	1.98	<4.00	<4.00
	6/19/2019 DUP	<1.00	<1.00	16.5	14.7	68.2 B-02	62.3	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	6,010	5,170	--	--	2.44	1.71	<4.00	<4.00
	9/10/2019	<1.00	<1.00	12.6	12.9	26.1	25.1	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	7,210	6,680	--	--	1.23	<1.00	<4.00	<4.00
	9/10/2019 DUP	<1.00	<1.00	12.5	13.1	26.0	26.1	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	7,030	7,300	--	--	<1.00	<1.00	<4.00	<4.00
	12/16/2019	<1.00	<1.00	7.14	7.22	17.7	17.6	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	4,240	4,040	--	--	<1.00	<1.00	<4.00	<4.00
	12/16/2019 DUP	<1.00	<1.00	7.42	7.29	19.1	17.6	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	4,090	4,030	--	--	<1.00	<1.00	11.5	<4.00
	3/18/2020	<1.00	<1.00	9.87	9.74	32.1	31.0	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	4,150	4,560	--	--	<2.00	<2.00	<4.00	<4.00
	6/11/2020	<1.00	<1.00	8.34	8.41	72.4	67.8	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	4,500	4,060	--	--	2.49	2.16	<4.00	<4.00
	9/10/2020	<1.00	<1.00	11.1	11.6	38.9	36.4	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	7,330	7,100	--	--	<2.00	<2.00	5.07	<4.00
	12/3/2020	<1.00	<1.00	7.87	7.82	27.6	26.2	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	5,140	5,110	--	--	<2.00	<2.00	<4.00	<4.00
	12/3/2020 DUP	<1.00	<1.00	8.01	8.67	28.1	23.2	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	5,020	5,310	--	--	<2.00	<2.00	<4.00	<4.00
	3/10/2021	<1.00	<1.00	10.8	12.7	40.4	41.1	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	7,180	5,670	--	--	<2.00	<2.00	<4.00	<4.00
	3/10/2021 DUP	<1.00	<1.00	10.5	13.1	40.8	42.1	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	5,350	5,330	--	--	2.00	<2.00	<4.00	<4.00
	6/9/2021	<1.00	<1.00	11.0	10.5	50.3	48.7	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	6,700	6,380	--	--	2.57	2.21	<4.00	<4.00
	6/9/2021 DUP	<1.00	<1.00	10.6	9.91	49.6	46.0	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	6,560	6,520	--	--	2.56	2.23	<4.00	<4.00
	9/21/2021	<1.00	<1.00	9.36	9.69	27.3	26.1	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	6,550	6,170	--	--	3.33	<2.00	<4.00	<4.00
	9/21/2021 DUP	<1.00	<1.00	9.06	8.97	27.7	26.2	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	6,370	6,080	--	--	<2.00	<2.00	<4.00	<4.00
	12/1/2021	<1.00	<1.00	11.6	11.1	39.1	38.1	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	5,500	5,570	--	--	<2.00	<2.00	<4.00	<4.00
	12/1/2021 DUP	<1.00	<1.00	11.6	11.2	39.7	38.3	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	5,560	5,370	--	--	<2.00	<2.00	<4.00	<4.00
	3/1/2022	<1.00	<1.00	12.9	14.8	53.1	52.7	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	7,360	7,800	--	--	<2.00	<2.00	<4.00	<4.00
	3/1/2022 DUP	<1.00	<1.00	12.8	12.7	52.8	47.5	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	7,170	6,870	--	--	<2.00	<2.00	<4.00	<4.00
MW-23	12/17/2015	<1.00	<1.00	1.24	1.22	20.4	19.4	<0.200	<0.200	4.07	3.91	<1.00	<1.00	0.533	<0.200	2.81	0.722 J	--	--	0.756 J	0.611 J	7.38	5.08
MW-24	12/17/2015	<1.00	<1.00	1.51	<1.00	111	4.8	0.278	<0.200	15.8	10.1	2.54	0.711 J	2.51	<0.200	6,720	1,820	--	--	10.8	3.98	22	6.24
	12/7/2016	<1.00	<1.00	3.33	0.778 J	225	18.0	0.232	<0.200	14.2	<1.00	2.41	<1.00	0.728	<0.200	10,900	2,750	--	--	11.9	3.79	15.3	3.89 J
	12/13/2017	<1.00	<1.00	2.18	<1.00	183	20.7	0.514	<0.200	13.6	<1.00	9.82	<1.00	2.29	<0.200	9,860	3,330	--	--	17.0 B-02	3.90	30.1	<4.00
	12/20/2018	<1.00	<1.00	1.43	<1.00	135 B-02	21.7	<0.200	<0.200	5.29	<1.00	1.59	<1.00	0.506	<0.200	6,260	3,040 Q-42	--	--	10.2	3.94	12.7	<4.00
	12/10/2019	<1.00	<1.00	2.26	<1.00	166	19.4	<0.200	<0.200	8.73	<1.00	1.09	<1.00	0.555	<0.200	11,200	2,840	--	--	10.2	2.85	8.75	<4.00
	12/3/2020	<1.00	<1.00	1.05	<1.00	56.6	25.4	<0.200	<0.200	2.85	1.08	<2.00	<2.00	<0.200	<0.200	5,390	3,390	--	--	5.63	3.60	<4.00	<4.00
	12/2/2021	<1.00	<1.00	3.06	<1.00	106	20.5	<0.200	<0.200	8.34	<1.00	<2.00	<2.00	0.295	<0.200	8,190	3,110	--	--	11.6	3.93	8.43	<4.00
MW-31	1/21/2019	--	<1.00	--	14.4	--	55.0	--	<0.200	--	<1												

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-66	12/8/2009	<20	--	112	--	1,900	--	5.2 J	--	234	--	415	--	303	--	14,600	--	--	--	249	--	895	--
	6/3/2010	0.60 J	--	69	--	1,870	--	2.9 J	--	193	--	342	--	214	--	9,540	--	--	--	231	--	825	--
	12/1/2010	0.198 J	--	63.6	--	579	--	<2.0	--	36.9	--	64.7	--	44.4	--	6,880	--	--	--	50.4	--	167	--
	6/2/2011	0.06 J	--	<1.0	--	<1.0	--	<1.0	--	<1.0	--	<1.0	--	<1.0	--	0.32 J	--	--	--	<2.0	--	<1.0	--
	12/15/2011	0.11 J	--	32.7	--	147	--	<1.0	--	3.24	--	3.82	--	1.74	--	4,040	--	--	--	5.10	--	9.23 J	--
	3/27/2012	--	--	32.0	--	320	--	0.21	--	25.0	--	37.0	--	19.0	--	4,900	--	--	--	24.0	--	79.0	--
	7/6/2012	<1.0	--	23.1	--	144	--	<1.0	--	<2.0	--	2.11	--	<1.0	--	3,460	--	--	--	4.70	--	10.6	--
	12/5/2012	<1.0	--	22.2	--	190	--	<1.0	--	6.00	--	11.8	--	6.83	--	3,940	--	--	--	10.1	--	23.4	--
	6/19/2013	<1.0	--	12.4	--	138	--	<1.0	--	4.24	--	6.81	--	3.81	--	2,980	--	--	--	5.99	--	14.0	--
	12/16/2013	<1.00	--	30.8	--	241	--	0.311	--	15.3	--	26.6	--	14.9	--	4,020	--	--	--	20.1	--	60.4	--
	6/11/2014	<1.00	--	15.1	--	116	--	<1.00	--	1.02	--	2.96	--	0.389	--	--	--	--	--	3.94	--	6.43	--
	12/23/2014	<1.00	--	17.5	--	127	--	<0.200	--	0.856 J	--	1.67	--	0.500	--	3,690	--	--	--	3.79	--	12.2	--
	6/30/2015	<1.00	--	12.0	--	60.1	--	<0.200	--	<1.00	--	1.56	--	0.122	--	2,840	--	--	--	1.17	--	7.38	--
	12/17/2015	<1.00	<1.00	28.8	8.67	135	42.3	<0.200	<0.200	2.74	<1.00	4.79	<1.00	2.77	<0.200	3,430	3,490	--	--	4.88	2.9	11.6	2.73 J
	6/22/2016	<1.00	<1.00	12.1	1.68	76.8	12.6	<0.200	<0.200	1.16	<1.00	1.91	<1.00	0.989	<0.200	1,680	1,490	--	--	1.63	0.833	5.74	<4.00
	12/12/2016	<1.00	<1.00	14.6	14.0	77.1	68.6	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,860	1,730	--	--	3.57	3.33	2.73 J	2.77 J
	6/27/2017	<1.00	<1.00	14.2	13.9	37.1	37.5	0.0556 J	<0.200	0.678 J	<1.00	0.944 J	<1.00	0.222	<0.200	953	941	--	--	1.27	1.03	5.38	<4.00
	12/13/2017	<1.00	<1.00	11.6	11.4	45.2	43.5	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,150	1,090	--	--	<1.00	<1.00	<4.00	<4.00
	6/27/2018	<1.00	<1.00	12.0	12.6	46.3	46.4	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,120	1,110	<0.0800	<0.160	<1.00	<1.00	<4.00	<4.00
	12/17/2018	<1.00	<1.00	12.8	11.0	120	67.0	<0.200	<0.200	6.83	1.39 Q-17	16.0	1.16 Q-17	7.50	<0.200	1,600 Q-42	1,450 Q-42	--	--	7.39	<1.00	41.4	4.37
	6/20/2019	<1.00	<1.00	9.97	9.67	49.3 B-02	48.2	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,150	1,180	--	--	<1.00	<1.00	<4.00	<4.00
	12/12/2019	<1.00	<1.00	9.84	10.1	74.7	71.5	<0.200	<0.200	<2.00	<2.00	<2.00	<1.00	0.217	<0.200	1,730	1,180	--	--	<2.00	<1.00	5.05	<4.00
	6/10/2020	<1.00	<1.00	10.1	10.1	49.4	47.5	<0.200	<0.200	<1.00	<1.00	3.32	<2.00	0.639	<0.200	1,220	1,220	--	--	<2.00	<2.00	23.0	4.35
	12/3/2020	<1.00	<1.00	10.8	10.1	79.1	72.8	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.887	<0.200	1,900	1,780	--	--	<2.00	<2.00	4.85	<4.00
	6/9/2021	<1.00	<1.00	7.78	8.11	38.4	35.9	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	932	918	--	--	<2.00	<2.00	<4.00	<4.00
	12/1/2021	<1.00	<1.00	11.4	11.7	57.4	56.2	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,570	1,560	--	--	<2.00	<2.00	<4.00	<4.00
MW-81	12/8/2009	<5.0	--	22.4	--	643	--	<5.0	--	72.8	--	112	--	52.8	--	4,610	--	--	--	82.4	--	244	--
	12/8/2009 DUP	<5.0	--	23.8	--	750	--	<5.0	--	83.6	--	134	--	56.9	--	5,060	--	--	--	97.3	--	291	--
	12/1/2010	0.08 J	--	12.1	--	166	--	<1.0	--	9.9	--	15	--	6.1	--	2,710	--	--	--	10.1	--	29.2	--
	12/15/2011	0.06	--	11.6	--	54.7	--	<1.0	--	<2.0	--	0.58 J	--	<1.0	--	1,920	--	--	--	0.78 J	--	<10	--
	3/28/2012	--	--	13.0	--	110	--	<0.19	--	4.00	--	4.90	--	1.70	--	2,900	--	--	--	4.10	--	10.0	--
	7/6/2012	<1.0	--	11.7	--	74.2	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	2,390	--	--	--	<2.0	--	<4.0	--
	12/5/2012	<1.0	--	11.1	--	67.7	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	1,910	--	--	--	<2.0	--	<4.0	--
	12/16/2013	<1.00	--	12.1	--	73.4	--	<0.200	--	2.51	--	6.87	--	0.878	--	2,230	--	--	--	2.83	--	27.2	--
	12/23/2014	<1.00	--	11.7	--	92.3	--	<0.200	--	0.811 J	--	0.889 J	--	0.278	--	2,960	--	--	--	1.37	--	3.18 J	--
	12/17/2015	<1.00	<1.00	15	4.86	139	48.9	<0.200	<0.200	1.18	<1.00	0.744 J	<1.00	0.333	<0.200	3,840	3,920	--	--	3.17	2.46	3.18 J	2.42 J
	12/9/2016	<1.00	<1.00	8.70	8.16	101	91.3	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	3,480	3,380	--	--	1.00	0.811 J	2.71 J	2.74 J
	12/13/2017	<1.00	<1.00	15.1	6.52	547	103	0.642	<0.200	55.5	<1.00	96.1	<1.00	34.6	<0.200	4,650	2,900	--	--	85.3	<1.00	244	<4.00
	12/17/2018	<1.00	<1.00	5.06	4.63	102	97.4	<0.200	<0.200	<1.00	<1.00	2.29	<1.00	<0.200	<0.200	2,600	2,620	--	--	<1.00	<1.00	8.62	<4.00
	12/16/2019	<1.00	<1.00	4.15	4.22	95.6	93.3	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	2,920	2,940	--	--	<1.00	<1.00	<4.00	<4.00
	12/3/2020	<1.00	<1.00	4.36	4.15	84.6	77.2	<0.200	<0.200	<1.00	<1.00	3.24	<2.00	0.329	<0.200	2,730	2,720	--	--	<2.00	<2.00	14.7	<4.00
12/2/2021	<1.00	<1.00	5.73	5.43	62.7	641.1	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	2,040	1,890	--	--	<2.00	<2.00	<4.00	<4.00	
ROD Cleanup Level ⁶ .		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5	
JSCS SLV ⁷ .		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36	

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-82	7/2/2019	--	<1.00	--	41.2	--	190	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,790	--	--	--	3.54	--	26.6
	9/10/2019	--	<1.00	--	26.4	--	170	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	2,250 Q-42	--	--	--	1.66	--	12.3
	12/12/2019	5.98	5.81	233	246	474	467	<0.200	<0.200	<2.00	<1.00	<2.00	<1.00	0.365	<0.200	2,280	2,220	--	--	11.1	11.1	80.5	78.1
	3/17/2020	19.3	19.3	246	252	438	439	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.648	<0.200	1,320	1,360	--	--	15.1	14.2	140	142
	6/10/2020	19.0	18.4	229	236	450	436	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.426	0.252	1640	1620	--	--	14.4	14.8	120	133
	9/9/2020	9.25	9.02	71.6	77.5	274	268	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.498	<0.200	1,740	1,660	--	--	5.16	5.17	43.4	37.1
	9/9/2020 DUP	9.46	9.08	71.2	80.4	282	269	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.488	<0.200	1,660	1,610	--	--	5.48	5.41	47.7	37.5
	12/1/2020	21.6	20.9	258	230	519	441	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.879	0.588	1,490	1,330	--	--	15.7	14.9	153	143
	3/10/2021	16.9	16.4	225	248	329	337	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	1.13	0.348	1,260	1,170	--	--	12.0	11.4	104	96.9
	6/9/2021	11.0	11.7	100	98.8	255	255	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	1.79	<0.200	974	1,000	--	--	8.51	8.00	70.9	66.7
	9/22/2021	15.0	13.8	71.5	65.8	273	252	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.832	<0.200	1,310	1,280	--	--	17.2	5.98	68.5	62.2
	12/1/2021	19.2	18.2	213	199	441	403	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	1.17	0.572	1,490	1,450	--	--	14.1	12.3	122	108
	3/2/2022	17.7	16.4	154	146	260	248	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.765	<0.200	1,170	1,060	--	--	8.21	7.77	81.4	72.9
	6/22/2022	14.8	14.3	150	162	230	229	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.989	<0.200	1,050	1,070	--	--	7.87	7.93	69.5	62.6
9/21/2022	9.34	9.28	65.9	67.9	203	200	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	1.82	<0.200	1350	1,450	--	--	4.11	4.42	64.6	43.5	
MW-83	7/2/2019	--	<1.00	--	22.0	--	102	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	4,330	--	--	--	<2.00	--	<4.00
	9/11/2019	--	<1.00	--	24.7	--	89.6	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	3,950	--	--	--	2.27	--	<4.00
	12/12/2019	<1.00	<1.00	23.8	24.2	90.9	89.6	<0.200	<2.00	<1.00	<10.0	<1.00	<10.0	<0.200	<0.200	4,050	4,190	--	--	2.21	<10.0	<4.00	<40.0
	3/18/2020	<1.00	<1.00	20.2	20.5	84.5	83.3	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	3,660	4,040	--	--	2.24	<2.00	<4.00	<4.00
	3/18/2020 DUP	<1.00	<1.00	22.4	22.3	84.5	81.4	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	3,860	4,300	--	--	2.13	<2.00	<4.00	<4.00
	6/11/2020	<1.00	<1.00	15.6	16.4	76.9	76.1	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	2,870	2,660	--	--	<2.00	<2.00	4.44	<4.00
	6/11/2020 DUP	<1.00	<1.00	16.1	15.6	77.6	72.6	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	2,880	2,680	--	--	<2.00	<2.00	<4.00	<4.00
	9/9/2020	<1.00	<1.00	20.2	20.8	94.1	85.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	3,610	3,780	--	--	<2.00	<2.00	<4.00	<4.00
	12/1/2020	<1.00	<1.00	19.4	18.1	88.1	84.8	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	3,780	3,560	--	--	<2.00	<2.00	<4.00	<4.00
	3/10/2021	<1.00	4.15	22.6	23.0	124	124	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	3,460	3,350	--	--	<2.00	<2.00	4.68	4.97
	6/9/2021	<1.00	<1.00	33.0	31.1	110	107	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	3,560	3,420	--	--	2.96	2.48	<4.00	<4.00
	9/22/2021	<1.00	<1.00	17.6	16.9	59.5	55.8	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	3,500	3,450	--	--	6.51	<2.00	<4.00	<4.00
	12/1/2021	<1.00	<1.00	21.3	21.8	68.9	68.3	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	3,320	3,400	--	--	<2.00	<2.00	4.06	4.80
	3/1/2022	<1.00	<1.00	24.7	22.1	118	101	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.298	<0.200	3,190	2,990	--	--	<2.00	<2.00	9.44	12.3
MW-84	7/2/2019	--	<1.00	--	1.10	--	49.2	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,370	--	--	--	2.04	--	7.27
	9/10/2019	--	<1.00	--	4.67	--	38.1	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	974	--	--	--	<1.00	--	<4.00
	12/16/2019	<1.00	<1.00	2.32	2.55	38.7	34.2	<0.200	<0.200	1.20	<1.00	1.93	<1.00	1.19	<0.200	1,010	1,020	--	--	1.12	<1.00	4.16	<4.00
	3/18/2020	<1.00	<1.00	1.49	1.53	38.7	36.8	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.413	<0.200	1,780	1,890	--	--	<2.00	<2.00	<4.00	<4.00
	6/10/2020	<1.00	<1.00	3.21	2.99	31.3	28.1	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.371	<0.200	1,370	1,300	--	--	<2.00	<2.00	<4.00	<4.00
	9/10/2020	<1.00	<1.00	2.29	2.15	34.8	29.6	<0.200	<0.200	<1.00	<1.00	2.03	<2.00	1.57	<0.200	1,100	1,070	--	--	<2.00	<2.00	10.0	<4.00
	12/1/2020	<1.00	<1.00	1.64	1.65	21.3	19.2	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.576	<0.200	752	740	--	--	<2.00	<2.00	<4.00	<4.00
	3/9/2021	<1.00	<1.00	1.83	1.93	35.5	35.0	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.664	<0.200	1,820	1,740	--	--	<2.00	<2.00	<4.00	<4.00
	6/9/2021	<1.00	<1.00	1.15	1.18	29.6	27.5	<0.200	<0.200	<2.00													

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
AREA 2																							
MW-92	7/2/2019	--	1.82	--	2.24	--	91.2	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,430 Q-42	--	--	--	4.07	--	10.1
	9/10/2019	--	2.61	--	<1.00	--	48.3	--	<0.200	--	<1.00	--	5.69	--	<0.200	--	436	--	--	--	2.38	--	42.9
	12/12/2019	2.61	2.70	<2.00	<2.00	48.5	46.4	<0.200	<0.200	<2.00	<2.00	3.55	2.23	0.720	<0.200	56.8	61.9	--	--	<2.00	<2.00	6.69	14.6
	3/18/2020	1.93	1.92	<1.00	<1.00	71.7	69.9	<0.200	<0.200	<1.00	<1.00	3.89	2.66	0.856	<0.200	983	984	--	--	<2.00	<2.00	10.9	9.70
	6/11/2020	4.04	3.82	<1.00	<1.00	58.2	57.2	<0.200	<0.200	<1.00	<1.00	2.87	2.06	0.651	<0.200	152	164	--	--	<2.00	<2.00	14.6	12.5
	9/11/2020	<1.00	<1.00	1.13	1.01	93.5	89.7	<0.200	0.240	<1.00	<1.00	4.23	3.04	0.333	<0.200	1,240	1,250	--	--	<2.00	<2.00	7.06	6.12
	12/3/2020	2.26	2.45	<1.00	<1.00	76.7	67.6	<0.200	<0.200	<1.00	<1.00	3.39	2.97	0.256	<0.200	331	185	--	--	6.51	<2.00	17.6	14.8
	3/10/2021	1.25	1.32	1.47	1.24	110	110	<0.200	<0.200	<1.00	<1.00	2.88	<2.00	0.372	<0.200	2,830	2,790	--	--	<2.00	<2.00	15.3	13.7
	6/9/2021	<1.00	<1.00	4.08	3.26	132	125	<0.200	<0.200	<2.00	<2.00	4.28	<2.00	0.634	<0.200	7,330	7,080	--	--	<2.00	<2.00	25.0	18.1
	9/22/2021	3.22	3.10	<1.00	<1.00	71.6	67.9	<0.200	<0.200	<2.00	<2.00	5.70	5.00	0.453	<0.200	123	97.0	--	--	5.66	<2.00	10.3	7.90
	12/1/2021	2.72	2.40	1.22	<1.00	64.7	62.4	<0.200	<0.200	<2.00	<2.00	3.58	2.01	1.18	<0.200	1,680	1,690	--	--	<2.00	<2.00	21.8	14.2
	3/1/2022	3.54	3.55	1.49	<1.00	37.9	29.2	<0.200	<0.200	<2.00	<2.00	5.22	<2.00	2.19	0.271	43.7	23.6	--	--	<2.00	<2.00	24.2	15.9
	6/22/2022	2.19	<1.00	6.89	3.55	112	89.3	<0.200	<0.200	2.43	<2.00	7.12	<2.00	4.33	<0.200	2,780	2,710	--	--	<2.00	<2.00	43.6	15.8
SMW-11	12/17/2015	<1.00	<1.00	17.1	3.48	43	11.9	<0.200	<0.200	0.833 J	<1.00	2.06	<1.00	0.811	0.233	2,130	2,210	--	--	2.36	1.81	4.08	2.96 J
	12/15/2017	<1.00	<1.00	17.2	15.6	45.5	44	<0.200	<0.200	1.17	<1.00	2.15	<1.00	1.38	0.419	2,200	2,240 Q-42	--	--	3.97	2.65	4.26	<4.00
SMW-12	12/5/2012	<1.12	--	58.0	--	268	--	<1.12	--	2.60	--	4.49	--	1.14	--	3,720	--	--	--	2.75	--	8.36	--
	12/17/2015	<1.00	<1.00	6.76	5.54	63.5	48	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,920	2,000	--	--	0.922 J	0.756 J	<4.00	<4.00
	12/9/2016	<1.00	<1.00	35.5	34.7	167	152	<0.200	<0.200	<1.00	<1.00	<1.00	0.578 J	<0.200	<0.200	4,870	4,680	--	--	1.02	0.8 J	3.18 J	3.49 J
	12/13/2017	<1.00	<1.00	33.0	31.5	209	195	<0.200	<0.200	3.91	<1.00	5.50	<1.00	2.23	<0.200	6,960	6,260	--	--	5.75	<1.00	26.3	<4.00
SCHNITZER ASD YARD																							
MW-10	8/20/2009	0.58 J	--	24	--	386	--	1.52	--	44.6	--	120	--	236	--	3,010	--	0.603	--	390	--	376	--
	6/3/2010	0.44 J	--	5.66 J	--	83.7	--	<0.2	--	3.92 J	--	8.88	--	9.68	--	1,890	--	<0.2	--	47.6	--	26.3	--
	12/1/2010	0.462 J	--	11.4	--	183	--	<2.0	--	15.2	--	31.5	--	47	--	2,850	--	0.165 J	--	125	--	108	--
	6/3/2011	0.39 J	--	2.96	--	84.3	--	<1.0	--	<2.0	--	<10	--	0.29 J	--	2,400	--	<0.2	--	1.67 J	--	3.63 J	--
	12/15/2011	0.25 J	--	3.55	--	75.4	--	<5.0	--	<10	--	<10	--	<5.0	--	2,720	--	<0.2	--	2.35	--	<50	--
	3/28/2012	--	--	2.70	--	65	--	<0.19	--	<0.84	--	<0.53	--	0.24 J	--	2,200	--	<0.055	--	0.88 J	--	<3.1	--
	7/6/2012	<1.0	--	3.47	--	59.8	--	<1.0	--	<2.0	--	<2.0	--	1.3	--	1,930	--	<0.08	--	<2.0	--	<4.0	--
	12/5/2012	<1.0	--	4.12	--	85.4	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	2,080	--	<0.08	--	<2.0	--	<4.0	--
	6/19/2013	<1.0	--	3.69	--	73.6	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	2,030	--	<0.08	--	2.91	--	<4.0	--
	12/13/2013	<1.00	--	3.06	--	81.6	--	<0.200	--	2.01	--	<1.00	--	<0.200	--	2,750	--	<0.0800	--	1.53	--	6.87	--
	6/11/2014	<1.00	--	3.68	--	67.8	--	<0.200	--	2.04	--	<1.00	--	<0.200	--	1,940	--	<0.0800	--	1.69	--	<4.00	--
	12/19/2014	<1.00	--	3.20	--	77.4	--	<0.200	--	0.633 J	--	13.8	--	0.544	--	2,060	--	<0.0800	--	2.98	--	3.22 J	--
	12/18/2015	<1.00	<1.00	3.71	1.72	77.0	22.5	<0.200	<0.200	0.678 J	<1.00	0.700 J	<1.00	0.456	<0.200	2,740	2,650	<0.0800	<0.0800	1.11	6.07	4.27	2.30 J
	12/12/2016	<1.00	<1.00	3.27	3.09	66.1	61.2	<0.200	<0.200	0.511 J	<1.00	1.06	<1.00	0.189 J	<0.200	1,700	1,640	<0.0800	<0.0800	1.19	0.789 J	4.21	3.36 J
	6/28/2017	<1.00	<1.00	3.06	2.86	52.6	41.5	<0.200	<0.200	0.967 J	<1.00	1.37	4.06	0.311	0.144 J	1,160	1,180	<0.0800	--	1.73	1.33	4.52	3.76 J
	6/28/2017 DUP	<1.00	<1.00	3.14	3.00	52.8	42.1	<0.200	0.256	0.789 J	0.867 J	1.77	0.711 J	0.289	0.322	1,150	1,210	<0.0800	--	1.54	1.69	4.51	<4.00
	12/14/2017	<1.00	<1.00	3.03	2.78	58	53.9	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	0.301	<0.200	1,560	1,520	<0.0800	--	1.40	<1.00	<4.00	<4.00
	6/26/2018	<1.00	1.99	2.52	2.29	49.7	36.7	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	0.363	<0.200	1,280	1,310	<0.0800	<0.160	<1.00	<1.00	<4.00	<4.00
	12/18/2018	<1.00	<1.00	2.77	2.46	55.0	50.4	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,780	1,750	<0.0800	--	1.18	<1.00	<4.00	<4.00
	6/21/2019	<1.00	<1.00	2.72	2.68	43.7 B-02	36.6	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	0.255	<0.200	986	973	<0.0800	--	1.14	<1.00	<4.00	<4.00
	12/10/2019	<1.00	<1.00	2.44	2.16	47.3	40.6	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,630	1,470	<0.0800	--	<1.00	<1.00	<4.00	<4.00
	6/11/2020	<1.00	<1.00	2.56	2.51	41	36.1	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,030	1,030	<0.0800	--	<2.00	<2.00	<4.00	<4.00
	12/2/2020	<1.00	<1.00	2.63	2.50	51.9	45.5	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,320	1,280	<0.0800	--	<2.00	<2.00	4.02	<4.00
	6/8/2021	<1.00	<1.00	1.87	1.73	39.8	32.0	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	902	902	<0.0800	--	<2.00	<2.00	<4.00	<4.00
	12/1/2021	<1.00	<1.00	2.38	2.15	47.5	42.8	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,130	1,070	<0.0800	--	<			

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc		
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	
		Concentrations in µg/L (ppb)																						
SCHNITZER ASD YARD																								
MW-11	12/8/2009	4.36	--	5.32	--	123	--	<2.0	--	16.8	--	62.1	--	16.4	--	1,480	--	<0.2	--	14.5	--	64.2	--	
	12/1/2010	0.087 J	--	1.67	--	41.2	--	<1.0	--	<2.0	--	2.54	--	0.557 J	--	286	--	<0.20	--	7.95	--	<1.0	--	
	12/15/2011	0.07 J	--	2.33	--	36.9	--	<1.0	--	1.86 J	--	2.85	--	0.5 J	--	946	--	<0.2	--	1.16 J	--	4.62	--	
	3/29/2012	--	--	0.13	--	33.0	--	<0.19	--	<0.84	--	2.40	--	0.11 J	--	1,100	--	<0.055	--	10.0	--	<3.1	--	
	7/6/2012	<1.0	--	<2.0	--	18.6	--	<1.0	--	<2.0	--	2.06	--	<1.0	--	949	--	<0.08	--	5.27	--	<4.0	--	
	12/5/2012	<1.0	--	<2.0	--	22.1	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	566	--	<0.08	--	8.36	--	<4.0	--	
	12/13/2013	<1.00	--	1.39	--	24.5	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	878	--	<0.0800	--	<1.00	--	<4.00	--	
	12/19/2014	<1.0	--	1.49	--	27.5	--	0.0444 J	--	<1.0	--	<1.0	--	0.156 J	--	934	--	<0.0800	--	<1.0	--	<4.0	--	
	12/16/2015	<1.00	<1.00	1.44	<1.00	44.7	12.4	0.478	<0.200	2.2	<1.00	52.1	<1.00	3.11	<0.200	1,220	576	0.0936	<0.0800	10.6	5.67	14.8	4.62	
	12/7/2016	<1.00	<1.00	0.621 J	0.611 J	21.2	20.7	<0.200	<0.200	<1.00	<1.00	2.10	1.21	0.170 J	<0.200	388	386	<0.0800	<0.0800	7.41	7.78	5.30	5.00	
	12/14/2017	<1.00	<1.00	1.37	<1.00	37.2	24.0	<0.200	<0.200	<1.00	<1.00	3.64	1.22	0.689	<0.200	269	251	<0.0800	--	7.25	7.16	4.07	<4.00	
	12/17/2018	<1.00	<1.00	1.56	1.44	35.7	28.9	<0.200	<0.200	<1.00	<1.00	7.82	<1.00	2.78	<0.200	1,080	1,080	<0.0800	--	1.01	<1.00	13.8	<4.00	
	12/11/2019	<1.00	<1.00	1.32	1.26	24.6	22.3	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	928	857	<0.0800	--	<1.00	<1.00	<4.00	<4.00	
	12/2/2020	<1.00	<1.00	<1.00	<1.00	23.9	21.3	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	263	242	<0.0800	--	6.05	6.54	<4.00	<4.00	
11/30/2021	<1.00	<1.00	<1.00	<1.00	23.0	22.1	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.363	<0.200	448	448	<0.0800	--	7.36	7.04	<4.00	<4.00		
MW-14	8/20/2009	0.16 J	--	4.95	--	184	--	0.19 J	--	7.95 J	--	19.8	--	8.73	--	1,170	--	<0.20	--	9.48	--	48.5	--	
	1/21/2019	--	<1.00	--	3.94	--	107	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	648	--	--	<1.00	--	<4.00	--	
	3/5/2019	--	<1.00	--	3.05	--	92.5	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	585	--	--	<1.00	--	<4.00	--	
	3/5/2019 DUP	--	<1.00	--	3.10	--	94.3	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	598	--	--	<1.00	--	<4.00	--	
	6/20/2019	--	<1.00	--	3.35	--	104	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	751	--	--	--	1.37	--	<4.00	--
	9/11/2019	--	1.34	--	8.55	--	32.8	--	<0.200	--	<1.00	--	5.48	--	0.677	--	3.50	--	--	--	1.77	--	8.10	--
	12/11/2019	<1.00	<1.00	1.28	1.26	41.2	34.3	<0.200	<0.200	<1.00	<1.00	19.1	8.79	0.898	<0.200	24.7	17.0	--	--	1.81	<1.00	120	37.0	
	3/18/2020	<1.00	<1.00	1.90	1.93	87.0	86.9	<0.200	<0.200	<1.00	<1.00	9.24	<2.00	0.595	<0.200	462	485	--	--	3.23	2.73	506	500	
	3/18/2020 DUP	<1.00	<1.00	1.88	1.75	86.4	84.4	<0.200	<0.200	<1.00	<1.00	9.74	<2.00	0.621	<0.200	458	465	--	--	3.17	2.49	511	483	
	6/10/2020	<1.00	<1.00	1.24	1.1	44.1	38.6	<0.200	<0.200	<1.00	<1.00	15.1	5.31	0.785	0.22	124	118	--	--	2.29	<2.00	611	530	
	6/10/2020 DUP	<1.00	<1.00	1.30	1.06	43.4	39.2	<0.200	<0.200	<1.00	<1.00	13.8	4.99	0.718	0.22	124	120	--	--	2.31	<2.00	603	532	
	9/9/2020	<1.00	<1.00	1.12	1.02	178	181	<0.200	<0.200	1.08	<1.00	18.8	2.12	0.418	--*	740	767	--	--	10.9	10.9	2,230	2,070	
	9/9/2020 DUP	<1.00	<1.00	1.23	1.15	187	177	<0.200	<0.200	1.10	<1.00	19.5	<2.00	0.428	<0.200	759	779	--	--	11.5	10.3	2,210	1,950	
	12/3/2020	<1.00	<1.00	2.38	2.23	355	318	<0.200	<0.200	<1.00	<1.00	10.7	<2.00	0.351	<0.200	758	740	--	--	10.5	9.86	2,130	2,000	
	3/11/2021	<1.00	<1.00	2.71	2.68	187	190	<0.200	<0.200	<1.00	<1.00	9.54	<2.00	0.563	<0.200	870	811	--	--	2.15	2.01	382	368	
	6/8/2021	<1.00	<1.00	3.83	3.85	298	315	<0.200	<0.200	<2.00	<2.00	10.7	2.31	0.488	<0.200	1,200	1,270	--	--	5.08	4.96	788	745	
Well decommissioned in January 2022																								
MW-72	8/20/2009	0.35 J	--	15.4	--	850	--	2.31	--	71	--	176	--	119	--	3,760	--	0.823	--	52.7	--	306	--	
	12/8/2009	<10.0	--	14.1	--	630	--	<10.0	--	62.3	--	139	--	94.7	--	3,040	--	<0.2	--	54.9	--	295	--	
	6/3/2010	0.4 J	--	10.3	--	349	--	0.6 J	--	24.9	--	52.1	--	39.9	--	2,170	--	0.301	--	21.8	--	118	--	
	12/2/2010	0.46 J	--	7.76	--	310	--	0.38 J	--	14.6	--	28.3	--	24.9	--	2,120	--	0.193 J	--	14.1	--	75.3	--	
	12/2/2010 DUP	0.32 J	--	7.12	--	277	--	0.38 J	--	12.6	--	26.6	--	22.5	--	2,130	--	0.145 J	--	12.0	--	72.0	--	
	6/2/2011	<1.0	--	6.30	--	211	--	<1.0	--	0.88 J	--	<2.0	--	<1.0	--	2,700	--	<0.20	--	1.96 J	--	<10	--	
	12/15/2011	<2.0	--	6.08	--	196	--	<2.0	--	<4.0	--	1.58 J	--	0.62 J	--	2,140	--	<0.2	--	2.48 J	--	8.02	--	
	12/15/2011 DUP	0.08 J	--	6.06	--	196	--	<1.0	--	2.62	--	1.31 J	--	0.59 J	--	2,140	--	<0.2	--	2.48 J	--	8.02 J	--	
	3/29/2012	--	--	6.70	--	200	--	<0.19	--	1.9 J	--	0.53 J	--	0.11 J	--	1,700	--	0.11 J	--	3.40	--	3.9 J	--	
	3/29/2012 DUP	--	--	6.50	--	200	--	<0.19	--	1.7 J	--	0.53 J	--	0.11 J	--	1,700	--	<0.055	--	3.50	--	3.9 J	--	
	7/6/2012	<1.0	--	10.9	--	188	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	1,390	--	<0.08	--	5.42	--	<4.0	--	
	7/6/2012 DUP	<1.0	--	10.9	--	188	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	1,370	--	<0.08	--	5.66	--	<4.0	--	
	12/5/2012	<1.0	--	9.26	--	184	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	1,620	--	<0.08	--	4.47	--	4.01	--	
	12/5/2012 DUP	<1.0	--	8.82	--	182	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	1,620	--	<0.08	--	4.61	--	<4.0	--	
6/19/2013	<1.0	--	6.26	--	162	--	<1.0	--	3.58	--	6.33	--	4.59	--	1,850	--	<0.08	--	4.47	--	14.5	--		
ROD Cleanup Level ⁶		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5		
JSCS SLV ⁷		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36		

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
SCHNITZER ASD YARD																							
MW-72 (continued)	12/13/2013	<1.00	--	7.24	--	178	--	<0.200	--	3.62	--	<1.00	--	0.28	--	1,830	--	<0.0800	--	2.87	--	<4.00	--
	12/13/2013 DUP	<1.00	--	7.14	--	176	--	<0.200	--	3.87	--	1.97	--	0.37	--	1,810	--	<0.0800	--	3.09	--	4.03	--
	6/11/2014	<1.00	--	7.03	--	179	--	<0.200	--	3.99	--	2.46	--	1.42	--	1,940	--	<00.800	--	3.12	--	4.89	--
	12/19/2014	<1.0	--	7.14	--	198	--	<0.200	--	1.09	--	0.556 J	--	0.356	--	1,790	--	<0.0800	--	2.66	--	2.87 J	--
	12/19/2014 DUP	<1.0	--	7.38	--	200	--	<0.200	--	1.07	--	<1.0	--	0.278	--	1,890	--	<0.0800	--	2.71	--	3.00 J	--
	12/16/2015	<1.00	<1.00	6.30	1.87	196	60.5	<0.200	<0.200	1.07	<1.00	<1.00	<1.00	<0.200	<0.200	2,240	2,260	<0.0800	<0.0800	2.11	1.80	<4.00	<4.00
	12/16/2015 DUP	<1.00	<1.00	6.34	2.08	193	66.4	<0.200	<0.200	1.12	<1.00	<1.00	<1.00	<0.200	<0.200	2,200	2,280	<0.0800	<0.0800	2.00	1.91	<4.00	5.66
	12/7/2016	<1.00	<1.00	6.68	6.24	206	186	0.0444 J	<0.200	1.73	0.856 J	2.63	<1.00	1.66	<0.200	2,040	1,990	<0.0800	<0.0800	2.71	1.83	8.72	2.81 J
	12/7/2016 DUP	<1.00	<1.00	6.01	6.01	183	183	0.0511 J	<0.200	1.45	1.00	2.36	<1.00	1.58	<0.200	2,140	2,000	<0.0800	<0.0800	2.07	1.74	8.18	3.34 J
	6/28/2017	<1.00	<1.00	7.63	8.57	202	199	<0.200	<0.200	1.06	1.00	0.733 J	0.589 J	0.27	<0.200	1,440	1,490	<0.0800	--	4.43	4.96	<4.00	<4.00
	12/14/2017	<1.00	<1.00	6.04	6.17	175	198	<0.200	<0.200	<1.00	<1.00	1.32	<1.00	0.523	<0.200	2,040	2,060	<0.0800	--	1.99	2.25	5.15	<4.00
	12/14/2017 DUP	<1.00	<1.00	6.12	5.99	176	181	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	0.705	<0.200	2,050	1,990	<0.0800	--	2.11	1.98	4.48	<4.00
	6/26/2018	<0.500	1.08	6.09	6.04	156	175	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,410	1,620	<0.0800	<0.160	1.75	2.11	<4.00	<4.00
	6/26/2018 DUP	<1.00	<1.00	5.85	5.87	176	169	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,620	1,580	<0.0800	<0.160	2.09	1.99	<4.00	<4.00
	12/18/2018	<1.00	<1.00	6.17	5.97	167	172	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,710	1,760	<0.0800	--	1.30	1.22	<4.00	<4.00
	12/18/2018 DUP	<1.00	<1.00	6.13	6.17	162	167	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,650	1,760	--	--	1.39	1.21	<4.00	<4.00
	6/21/2019	<1.00	<1.00	5.68	5.92	196 B-02	183	<0.200	<0.200	1.45	<1.00	1.67	<1.00	1.22	<0.200	2,180	2,140	<0.0800	--	1.63	1.13	4.32	<4.00
	12/13/2019	<1.00	<1.00	5.64	5.83	212	210	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,810	1,850	<0.0800	--	1.50	1.49	<4.00	<4.00
	12/13/2019 DUP	<1.00	<1.00	6.03	5.61	221	206	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,900	1,800 Q-42	--	--	1.39	1.44	<4.00	<4.00
	6/12/2020	<1.00	<1.00	6.18	6.46	228	225	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,750	1,750	<0.0800	--	2.32	2.26	<4.00	<4.00
	12/1/2020	<1.00	<1.00	6.40	6.24	208	202	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,850	1,830	<0.0800	--	<2.00	2.24	<4.00	<4.00
	6/11/2021	<1.00	<1.00	6.37	5.21	183	165	<0.200	<0.200	4.17	<2.00	7.28	<2.00	5.64	0.541	1,950	2,030	<0.0800	--	4.08	<2.00	22.2	<4.00
	12/1/2021	<1.00	<1.00	6.59	6.12	209	187	<0.200	<0.200	2.77	<2.00	3.34	<2.00	2.48	<0.200	2,090	1,860	<0.0800	--	3.26	<2.00	11.9	<4.00
MW-73	8/20/2009	0.29 J	--	11.9	--	643	--	1.06	--	46.6	--	94.2	--	85.1	--	3,880	--	0.549	--	29.2	--	223	--
	12/8/2009	<10.0	--	12.4	--	682	--	<10.0	--	41.3	--	85.4	--	84	--	3,340	--	<0.2	--	32.4	--	229	--
	6/3/2010	0.4 J	--	19.7	--	995	--	2.2 J	--	99.2	--	193	--	183	--	4,700	--	1.4	--	80.4	--	571	--
	6/3/2010 DUP	0.35 J	--	20.7	--	988	--	2.3 J	--	101	--	202	--	188	--	4,860	--	1.07	--	81.4	--	572	--
	12/2/2010	0.3 J	--	11.6	--	1140	--	2.46	--	55.8	--	105	--	142	--	6,280	--	1.81	--	74.6	--	700	--
	6/3/2011	0.38 J	--	3.91	--	386	--	<1.0	--	4.45	--	7.7 J	--	6.74	--	2,680	--	0.0954 J	--	4.71	--	23.7	--
	12/16/2011	0.25 J	--	5.55	--	356	--	<5.0	--	10.1	--	14.8	--	10.0	--	2,360	--	<0.2	--	6.8	--	4.3 J	--
	3/28/2012	--	--	3.9	--	350	--	<0.19	--	3.00	--	3.3	--	3.00	--	2,500	--	0.49	--	2.6	--	8.9 J	--
	7/25/2012	<1.0	--	4.29	--	324	--	<1.0	--	2.62	--	3.38	--	3.51	--	2,220	--	<0.08	--	4.01	--	10.8 B	--
	12/5/2012	<1.0	--	4.62	--	317	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	2,270	--	<0.08	--	4.34	--	4.19	--
	6/19/2013	<1.0	--	4.26	--	305	--	<1.0	--	2.80	--	3.16	--	2.61	--	2,430	--	<0.08	--	4.63	--	7.36	--
	12/16/2013	<1.00	--	4.3	--	337	--	<0.200	--	5.52	--	2.37	--	0.989	--	2,470	--	<0.0800	--	4.10	--	6.19	--
	6/11/2014	<1.00	--	8.39	--	537	--	1.83	--	30.3	--	182	--	69.3	--	2,940	--	0.218	--	38.6	--	223	--
	12/19/2014	<1.00	--	3.92	--	304	--	0.0566 J	--	2.07	--	2.30	--	2.16	--	2,480	--	<0.0800	--	1.84	--	5.42	--
	12/18/2015	<1.00	<1.00	3.54	2.83	294	108	0.0556 J	<0.200	1.73	0.700 J	3.48	<1.00	3.9	<0.200	2,220	2,220	<0.0800	<0.0800	3.19	1.87	12.2	3.66 J
	12/12/2016	0.789 J	<1.00	4.06	3.69	298	272	0.200	<0.200	2.22	1.31	11.6	<1.00	13.7	<0.200	1,970	1,950	0.0986	<0.0800	4.39	2.34	36.0	3.31 J
	6/28/2017	0.678 J	<1.00	4.01	3.94	300	288	0.2	<0.200	3.52	1.37	11.4	0.867 J	14.1	0.1 J	2,060	2,130	0.0723 J	--	4.33	3.67	33.0	43.2
	12/14/2017	<1.00	<1.00	4.49	3.89	290	286	<0.200	<0.200	2.12	<1.00	11.0	6.18	14.4 B	0.527	2,220	2,160 Q-42	0.0858	--	2.93	1.21	37.0	6.60
	6/27/2018	<1.00	<1.00	3.90	3.56	301	281	<0.200	<0.200	1.71	1.36	5.54	<1.00	7.14	<0.200	2,160	2,100	<0.0800	<0.160	2.36	1.22	17.7	6.34
	12/18/2018	1.63	1.05	4.03	3.25	260	221	0.321	<0.200	4.01	<1.00	16.3	<1.00	16.9	0.542	1,760	1,630	0.0882	--	4.01	1.63	51.3	9.89
	6/20/2019	<1.00	<1.00	3.81	3.83	294 B-02	248	<0.200	<0.200	1.30	<1.00	3.74	<1.00	5.04	<0.200	2,100	2,000	<0.0800	--	1.64	1.12	12.1 B	<4.00
	12/11/2019	<1.00	<1.00	3.38	3.53	278	247	<0.200	<0.200	1.70	<1.00	3.92	<1.00	6.00	0.878	2,110	1,960	<0.0800	--	4.43	<1.00	16.0	<4.00
	ROD Cleanup Level ⁶		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5
JSCS SLV ⁷		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36	

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
SCHNITZER ASD YARD																							
MW-73 (continued)	6/12/2020	<1.00	<1.00	3.25	3.49	280	279	<0.200	<0.200	1.19	<1.00	2.54	<2.00	2.87	0.289	2,090	2,090	<0.0800	--	<2.00	<2.00	7.98	<4.00
	12/2/2020	<1.00	<1.00	3.70	3.39	309	290	<0.200	<0.200	1.33	<1.00	2.77	<2.00	2.98	<0.200	2,170	2,140	<0.0800	--	<2.00	<2.00	8.71	<4.00
	6/8/2021	<1.00	2.02	3.77	3.69	275	257	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	1.42	<0.200	1,920 A-01	1,890	<0.0800 H-01	--	<2.00	<2.00	4.71	<4.00
	12/1/2021	<1.00	<1.00	3.84	3.83	289	284	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	2.25	<0.200	2180	2,140	<0.0800	--	<2.00	<2.00	6.15	<4.00
MW-74	12/8/2009	1.2 J	--	63.2	--	1620	--	12.0 J	--	270	--	619	--	646	--	13,100	--	0.275	--	235	--	3,120	--
	6/3/2010	0.35 J	--	2.32	--	87.5	--	<1.0	--	<1.0	--	<1.0	--	<1.0	--	5,700	--	1.31	--	1.7 J	--	3.39 J	--
	12/2/2010	1.1 J	--	12	--	349	--	1.38 J	--	44.7	--	94.3	--	115	--	5,730	--	0.747	--	43.9	--	488	--
	6/3/2011	4.63	--	2.04	--	168	--	<1.0	--	0.96 J	--	4.95 J	--	1.0	--	1,920	--	<0.2	--	11.2	--	138	--
	12/16/2011	0.38 J	--	2.28	--	118	--	<1.0	--	3.23	--	5.06	--	3.17	--	3,680	--	<0.2	--	6.35	--	48.6	--
	3/28/2012	--	--	1.7	--	79	--	<0.19	--	3.20	--	1.3 J	--	0.12 J	--	1,300	--	<0.055	--	5.8	--	57	--
	7/6/2012	<1.0	--	10.2	--	153	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	3,300	--	<0.08	--	5.08	--	37.8 B	--
	12/5/2012	<1.0	--	7.31	--	187	--	<1.0	--	2.17	--	4.92	--	2.3	--	4,850	--	<0.08	--	4.23	--	27.1	--
	6/19/2013	<1.0	--	2.26	--	95.2	--	<1.0	--	<2.0	--	8.94	--	<1.00	--	3,540	--	<0.08	--	2.86	--	20.7	--
	12/16/2013	<1.00	--	2.83	--	112	--	<0.200	--	2.29	--	1.12	--	0.522	--	4,280	--	<0.0800	--	2.88	--	7.48	--
	6/11/2014	<1.00	--	3.28	--	98.2	--	<0.200	--	1.76	--	1.29	--	<0.200	--	3,780	--	<0.0800	--	2.18	--	5.98	--
	12/22/2014	1.58	--	1.64	--	97.4	--	<0.200	--	<1.00	--	0.800 J	--	<0.200	--	3,480	--	<0.0800	--	2.99	--	36.2	--
	12/16/2015	<1.00	<1.00	10.6	4.23	254	87.7	<0.200	<0.200	1.29	0.622 J	<1.00	<1.00	<0.200	0.156 J	1,400	1,410	<0.0800	<0.0800	3.98	3.67	2.16 J	5.99
	12/9/2016	<1.00	<1.00	2.07	1.71	117	103	<0.200	<0.200	<1.00	<1.00	0.556 J	<1.00	0.256	<0.200	3,810	3,760	<0.0800	<0.0800	2.34	2.04	9.64	4.87
	6/28/2017	<1.00	<1.00	4.64	4.71	190	184	0.0444 J	<0.200	1.27	1.11	0.789 J	0.756 J	0.111 J	<0.200	6,280	6,330	<0.0800	--	2.06	3.33	<4.00	<4.00
	12/14/2017	<1.00	<1.00	2.36	2.20	101	98.5	<0.200	<0.200	<1.00	<1.00	<1.00	1.38	<0.200	<0.200	4,310	4,430	<0.0800	--	1.30	1.83	11.4	9.17
	6/27/2018	<1.00	<1.00	3.76	3.52	115	107	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	4,580	4,540	<0.0800	<0.160	<1.00	<1.00	<4.00	<4.00
	12/19/2018	<1.00	<1.00	3.3	3.17	140 B-02	124	<0.200	<0.200	1.42	<1.00	2.24	<1.00	1.35	<0.200	4,850	4,880	<0.0800	--	2.57	<1.00	24.0	<4.00
	6/20/2019	<1.00	<1.00	2.53	2.57	126 B-02	130	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	0.206	4,040	4,370 Q-42	<0.0800	--	<1.00	1.08	<4.00	11.8
	12/13/2019	6.52	6.65	<1.00	<1.00	61.7	57.6	<0.200	<0.200	3.34	3.33	3.27	2.41	0.679	<0.200	221	180	<0.0800	--	2.08	1.88	28.4	25.3
	6/10/2020	5.83	5.86	<1.00	<1.00	102	95.8	0.259	0.254	2.73	2.64	4.04	3.25	<0.200	<0.200	79.3	64.5	<0.0800	--	2.01	<2.00	84.1	77.9
	12/3/2020	1.55	1.45	1.64	1.27	115	98.9	<0.200	<0.200	<1.00	<1.00	2.97	<2.00	0.300	<0.200	1,750	1,570	<0.0800	--	<2.00	<2.00	65.1	50.5
	6/8/2021	2.70	2.00	4.73	<1.00	188	88.7	1.56	1.06	2.85	<2.00	17.3	2.70	3.39	<0.200	2,740	1,020	<0.0800 H-01	--	10.2	6.27	298	157
	6/8/2021 DUP	2.70	1.88	4.87	<1.00	192	90.8	1.50	1.08	2.89	<2.00	17.6	2.78	3.79	<0.200	2,850	1,040	<0.0800 H-01	--	9.92	5.06	309	161
	12/2/2021	3.05	2.44	4.12	1.89	186	124	0.355	0.565	3.58	<2.00	4.70	2.08	1.78	0.290	2,560	1,560	<0.0800	--	4.26	<2.00	162	73.8
	6/22/2022	7.01	5.8	3.33	<1.00	224	86.5	0.790	<0.200	2.25	<2.00	8.69	2.26	2.82	<0.200	3,020	56.0	--	--	6.65	<2.00	269	44.3
MW-76	12/8/2009	1.4 J	--	46.4	--	1460	--	4.6 J	--	174	--	339	--	262	--	6,460	--	<0.2	--	162	--	1,010	--
	12/2/2010	0.3 J	--	17.7	--	459	--	0.8 J	--	40.6	--	86.4	--	69.6	--	2,250	--	0.751	--	36.8	--	228	--
	12/16/2011	0.16 J	--	10.7	--	174	--	<1.0	--	2.9	--	4.41	--	2.4	--	944	--	<0.2	--	5.74	--	13.6	--
	12/16/2011 DUP	0.16 J	--	11.3	--	191	--	<1.0	--	4.36	--	6.17	--	3.65	--	996	--	<0.2	--	7.00	--	20.5	--
	3/28/2012	--	--	10	--	310	--	<0.19	--	1.7 J	--	3.8	--	1.1	--	1,700	--	1.1	--	5.20	--	6.9 J	--
	3/28/2012 DUP	--	--	10	--	310	--	<0.19	--	1.7 J	--	3.8	--	1.1	--	1,600	--	0.28	--	5.10	--	6.7 J	--
	7/6/2012	<1.0	--	10.1	--	286	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	2,420	--	<0.08	--	6.43	--	<4.0	--
	12/5/2012	<1.0	--	13.8	--	281	--	<1.0	--	<2.0	--	2.42	--	<1.0	--	1,350	--	<0.08	--	6.59	--	4.27	--
	12/16/2013	<1.00	--	12.6	--	180	--	<0.2000	--	3.57	--	1.30	--	0.400	--	1,050	--	<0.0800	--	5.89	--	<4.00	--
	12/19/2014	<1.00	--	11.3	--	220	--	0.0444 J	--	0.911 J	--	<1.00	--	0.133 J	--	1,490	--	<0.088	--	3.42	--	3.03 J	--
	12/23/2015	<1.00	<1.00	10.9	1.44	282	94.2	<0.200	<0.200	1.91	0.533 J	1.9	1.09	0.644	<0.200	1,500	1,470	<0.0800	<0.0800	4.92	3.9	34.1	8.99
	12/7/2016	<1.00	<1.00	9.96	10.7	202	194	<0.200	<0.200	0.514 J	0.944 J	2.24	<1.00	<0.200	<0.200	1,240	1,200	<0.0800	<0.0800	2.79	3.73	2.95 J	3.56 J
	12/13/2017	<1.00	<1.00	11.8	10.8	165	158	<0.200	<0.200	<1.00	<1.00	<1.00	1	<0.200	<0.200	1,150	1,120	<0.0800	--	3.27	3.12	<4.00	<4.00
	1/21/2019	<1.00	<1.00	9.56	11.2	163	163	<0.200	<0.200	<1.00	<1.00	1.17	<1.00	<0.200	<0.200	1,130	1,110	<0.0800	--	2.32	2.13	<4.00	<4.00
	12/16/2019	<1.00	<1.00	10.8	11.0	165	156	<0.200	<0.200	<1.00	<1.00	1.12	<1.00	0.235	<0.200	947	938	<0.0800	--	3.98			

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
SCHNITZER ASD YARD																							
MW-77	8/20/2009	0.20 J	--	15.2	--	171	--	0.12 J	--	6.75 J	--	20.2	--	10.5	--	1,850	--	<0.20	--	4.82	--	28.6	--
	12/8/2009	<10.0	--	13.2	--	152	--	<10.0	--	<10.0	--	12.1 J	--	7.5 J	--	1,530	--	<0.2	--	3.8 J	--	<100	--
	6/3/2010	<2.0	--	10.6	--	120	--	<2.0	--	<2.0	--	<2.0	--	<2.0	--	1,270	--	<0.2	--	0.82 J	--	<2.0	--
	12/2/2010	0.22 J	--	13	--	192	--	<2.0	--	10.7	--	22.5	--	18.5	--	1,700	--	<0.2	--	8.48	--	47.6	--
	6/3/2011	0.11 J	--	9.7	--	171	--	<1.0	--	2.86	--	6.45 J	--	3.68	--	1,930	--	<0.2	--	2.46	--	10.3	--
	12/16/2011	0.1 J	--	11.3	--	121	--	<1.0	--	1.06 J	--	1.37 J	--	1.00	--	1,190	--	<0.2	--	1.08 J	--	6.7 J	--
	3/28/2012	--	--	8.1	--	99	--	<0.19	--	1.8 J	--	1.8 J	--	1.00	--	1,000	--	<0.055	--	1.9 J	--	3.9 J	--
	7/6/2012	<1.0	--	10.5	--	160	--	<1.0	--	2.87	--	5.81	--	5.28	--	1,500	--	<0.08	--	4.34	--	12.9 B	--
	12/5/2012	<1.0	--	13.1	--	175	--	<1.0	--	2.43	--	7.86	--	5.02	--	1,620	--	<0.08	--	4.81	--	11.9	--
	6/19/2013	<1.0	--	9.31	--	125	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	1,300	--	<0.08	--	2.62	--	<4.0	--
	12/16/2013	<1.00	--	13.1	--	141	--	<0.200	--	1.82	--	2.10	--	0.222	--	1,450	--	<0.0800	--	3.02	--	<4.00	--
	6/11/2014	<1.00	--	9.39	--	145	--	0.200	--	3.81	--	2.33	--	0.478	--	1,450	--	<0.0800	--	2.37	--	<4.00	--
	12/19/2014	<1.00	--	12.7	--	157	--	<0.200	--	0.956 J	--	0.567 J	--	0.178 J	--	1,590	--	<0.0800	--	1.20	--	2.92 J	--
	6/26/2015	<1.00	--	14.5	--	141	--	0.0778	--	0.811	--	0.544	--	0.311	--	1,500	--	<0.0800	--	1.21	--	2.97	--
	12/18/2015	<1.00	0.644 J	5.08	3.07	81.7	47.2	<0.200	<0.200	0.767 J	<1.00	2.00	<1.00	0.289	<0.200	1,520	1,530	<0.0800	<0.0800	1.29	1.03	2.66 J	5.06
	12/12/2016	<1.00	<1.00	12.8	12.8	159	146	<0.200	<0.200	0.678 J	0.756 J	0.856 J	<1.00	0.300	<0.200	1,340	1,300	<0.0800	<0.0800	1.80	1.47	4.12	3.14 J
	6/28/2017	<1.00	<1.00	12.1	12.1	153	147	<0.200	<0.200	1.08	0.8 J	1.33	1.27	0.211	<0.200	1,220	1,290	<0.0800	--	2.41	3.19	3.47 J	<4.00
	12/14/2017	<1.00	<1.00	14.5	14.3	142	144	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	0.400	<0.200	1,430	1,390	<0.0800	--	1.30	1.44	<4.00	<4.00
	6/26/2018	<1.00	<1.00	12.8	12.4	150	141	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,410	1,360	<0.0800	<0.160	<1.00	<1.00	<4.00	<4.00
	12/19/2018	<1.00	<1.00	14.5	15.3	150 B-02	147	<0.200	<0.200	<1.00	<1.00	2.48	<1.00	0.283	<0.200	1,510	1,500	<0.0800	--	1.41	<1.00	9.69	<4.00
	6/20/2019	<1.00	<1.00	11.2	11.6	131 B-02	128	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,180	1,140	<0.0800	--	<1.00	<1.00	<4.00	<4.00
	12/10/2019	<1.00	<1.00	14.9	13.6	152	135	<0.200	<0.200	<1.00	<1.00	1.34	<1.00	0.460	<0.200	1,710	1,560	<0.0800	--	1.52	1.07	<4.00	<4.00
	6/11/2020	<1.00	<1.00	11.4	11.7	148	146	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,490	1,490	<0.0800	--	<2.00	<2.00	<4.00	<4.00
	12/2/2020	<1.00	<1.00	16.1	15.5	152	145	<0.200	<0.200	1.15	<1.00	2.14	<2.00	1.12	<0.200	1,560	1,490	<0.0800	--	<2.00	<2.00	9.58	<4.00
	6/8/2021	<1.00	<1.00	12.8	12.1	140	137	<0.200	<0.200	<2.00 Q-42	<2.00	<2.00	<2.00	<0.200	<0.200	1,350 Q-42	1,330 Q-42	<0.0800 H-01	--	<2.00	<2.00	<4.00	<4.00
	12/1/2021	<1.00	<1.00	17.6	16.3	159	124	<0.200	<0.200	2.70	<2.00	4.80	<2.00	3.22	<0.200	1,780	1,650	<0.0800	--	4.15	<2.00	12.5	<4.00
MW-78	8/20/2009	1.44	--	5.16	--	361	--	0.3 J	--	106	--	20	--	26.5	--	3,150	--	0.176 J	--	7.81	--	67	--
	12/8/2009	2.2 J	--	8.7 J	--	450	--	<10.0	--	23.3	--	51	--	64.7	--	3,190	--	<0.2	--	20.6	--	181	--
MW-79	8/20/2009	11.5	--	16.5	--	577	--	2.55	--	105	--	167	--	421	--	2,740	--	0.703	--	56.6	--	817	--
	8/20/2009 DUP	10.9	--	16.7	--	576	--	2.47	--	99.2	--	156	--	407	--	2,870	--	1.14	--	54.7	--	802	--
	12/5/2009	5.9 J	--	13.5	--	535	--	2.0 J	--	78.5	--	131	--	393	--	2,710	--	<0.2	--	47.5	--	783	--
	12/5/2009 DUP	6.4 J	--	15.5	--	562	--	1.9 J	--	90.6	--	128	--	412	--	2,920	--	<0.2	--	52.2	--	843	--
	6/3/2010	5.76	--	7.24	--	253	--	0.76 J	--	36.1	--	59.2	--	125	--	1,440	--	0.619	--	20.9	--	287	--
	12/1/2010	5.81	--	14.8	--	690	--	<2.0	--	92.2	--	142	--	262	--	2,830	--	1.34	--	67.8	--	727	--
	6/2/2011	0.59 J	--	0.33 J	--	29.8	--	<1.0	--	2.94	--	9.54	--	6.67	--	48.6	--	<0.20	--	1.77	--	58.9	--
	6/2/2011 DUP	21.5	--	1.02	--	181	--	<1.0	--	<1.0	--	0.95 J	--	0.18 J	--	417	--	<0.20	--	3.19	--	13.0	--
	12/16/2011	121	--	2.53	--	175	--	<1.0	--	4.10	--	12.8	--	12.0	--	390	--	<0.2	--	12.2	--	803	--
	3/28/2012	--	--	0.96 J	--	73	--	<0.19	--	<0.84	--	1.8 J	--	0.62 J	--	220	--	<0.055	--	4.80	--	140	--
	7/6/2012	29.1	--	2.04	--	172	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	637	--	<0.08	--	6.99	--	41.5 B	--
	12/5/2012	41.2	--	<2.0	--	87.9	--	<1.0	--	<2.0	--	3.09	--	2.41	--	134	--	<0.08	--	4.86	--	185	--
	6/19/2013	57.1	--	<2.0	--	173	--	<1.0	--	<2.0	--	<2.0	--	1.03	--	691	--	<0.08	--	10.7	--	275	--
	12/16/2013	16.7	--	<1.00	--	204	--	<0.200	--	1.83	--	7.34	--	1.66	--	416	--	<0.0800	--	12.7	--	76.8	--
	6/11/2014	490	--	5.48	--	256	--	0.322	--	3.50	--	8.92	--	7.81	--	359	--	<0.0800	--	13.7	--	736	--
ROD Cleanup Level ⁶		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5	
JSCS SLV ⁷		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36	

Please refer to notes at end of table.

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
SCHNITZER ASD YARD																							
MW-79 (continued)	12/19/2014	22.3	--	1.11	--	207	--	0.400	--	0.744 J	--	9.18	--	6.42	--	444	--	<0.0800	--	11.7	--	141	--
	6/26/2015	77.5	--	1.42	--	230	--	<0.200	--	<1.00	--	0.556	--	2.88	--	573	--	<0.0800	--	2.9	--	11.2	--
	12/18/2015	30.1	12.1	0.800 J	<1.00	135	131	0.111 J	<0.200	0.956 J	<1.00	5.97	0.544 J	9.04	0.678	434	422	<0.0800	<0.0800	2.38	1.79	197	14.2
	12/12/2016	<1.00	<1.00	3.81	3.50	316	284	0.0444 J	<0.200	4.58	1.16	8.22	0.733 J	1.39	<0.200	2,330	2,310	<0.0800	<0.0800	7.41	4.69	7.54	3.08 J
	6/28/2017	<1.00	<1.00	3.88	3.94	301	288	0.0889 J	<0.200	4.42	1.37	6.73	0.833 J	3.76	<0.200	2,470	2,550	<0.0800	--	6.22	5.98	11.9	<4.00
	12/14/2017	112	99.3	2.91	2.52	198	212	0.281	<0.200	<1.00	<1.00	6.98	1.48	4.20 B	<0.200	633	681	<0.0800	--	15.8 B-02	14.7	550	244
	6/26/2018	9.93	6.95	<1.00	<1.00	246	249	<0.200	<0.200	<1.00	<1.00	1.45	<1.00	0.525	<0.200	705	701	<0.0800	<0.160	<1.00	<1.00	40.9	<4.00
	12/18/2018	35.4	18.4	<1.00	<1.00	126	131	0.293	<0.200	<1.00	<1.00	6.53	3.74	2.43	1.28	360	384	<0.0800	--	7.03	7.15	252	114
	6/20/2019	45.6	30.1	<1.00	<1.00	330 B-02	322	<0.200	<0.200	<1.00	<1.00	1.97	<1.00	0.666	<0.200	909	913	<0.0800	--	1.72	1.48	58.5	<4.00
	12/10/2019	50.8	37.7	<1.00	<1.00	187	167	<0.200	<0.200	<1.00	<1.00	7.36	1.31	3.24	0.278	473	425	<0.0800	--	10.9	10.1	119	22.6
	6/11/2020	17.9	6.00	<1.00	<1.00	278	282	<0.200	<0.200	<1.00	<1.00	6.73	<2.00	2.03	<0.200	698	702	<0.0800	--	10.7	10.4	82.5	<4.00
	12/2/2020	29.3	9.76	<1.00	<1.00	189	190	0.281	<0.200	<1.00	<1.00	14.7	<2.00	5.11	0.324	386	395	0.0822	--	6.93	7.39	195	17.5
	6/8/2021	258	191	1.96	<1.00	275	266	0.250	<0.200	<2.00	<2.00	5.53	<2.00	3.18	0.811	660	667	<0.0800 H-01	--	7.01	4.43	626	115
	12/1/2021	39.8	4.77	<1.00	<1.00	186	184	0.291	<0.200	<2.00	<2.00	7.59	3.4	4.35	2.79	466	473	<0.0800	--	6.74	5.48	597	343
	6/22/2022	37.1	2.85	1.13	<1.00	176	174	0.597	<0.200	<2.00	<2.00	12.2	<2.00	6.62	<0.200	510	510	--	--	13.7	6.03	643	<4.00
6/22/2022 DUP	42.6	2.99	1.14	<1.00	173	180	0.576	<0.200	<2.00	<2.00	13.8	<2.00	6.70	<0.200	501	512	--	--	13.9	6.14	648	<4.00	
MW-80	12/8/2009	1.0 J	--	63.2	--	1170	--	2.05 J	--	24.1	--	79	--	113	--	3,130	--	<0.2	--	21.2	--	538	--
	12/2/2010	0.64 J	--	28.1	--	728	--	1.9 J	--	54.1	--	111	--	183	--	2,490	--	0.863	--	46.7	--	438	--
	12/16/2011	0.95 J	--	14.8	--	224	--	<5.0	--	128	--	42.2	--	90.4	--	3,110	--	<0.2	--	79.1	--	202	--
	3/29/2012	--	--	5.3	--	69	--	<0.19	--	1.9 J	--	3.8	--	5.8	--	1,800	--	<0.055	--	3.00	--	22.0	--
	7/6/2012	<1.00	--	5.58	--	73.6	--	<1.0	--	<2.0	--	<2.0	--	3.1	--	1,740	--	<0.08	--	<2.0	--	6.11 B	--
	12/5/2012	<1.0	--	4.23	--	67.9	--	<1.0	--	<2.0	--	<2.0	--	<1.0	--	1,600	--	<0.08	--	<2.0	--	<4.0	--
	12/16/2013	<1.00	--	10.6	--	87.5	--	<0.200	--	3.71	--	40.6	--	5.98	--	3,190	--	<0.0800	--	2.78	--	38.8	--
	12/23/2014	<1.0	--	3.62	--	86.9	6.00	<0.200	--	0.544 J	--	1.46 J	--	1.56	--	956	--	<0.0800	--	0.889	--	10.3	--
	12/18/2015	<1.00	<1.00	4.39	1.49	111	55.3	0.144 J	<0.200	1.58	<1.00	8.29	<1.00	11.0	<0.200	994	945	<0.0800	<0.0800	2.13	1.41	70.0	10.7
	12/9/2016	<1.00	<1.00	3.78	3.36	84.6	77.5	<0.200	<0.200	0.558 J	<1.00	0.967 J	0.778 J	1.01	0.656	1,080	972	<0.0800	<0.0800	0.572 J	0.722 J	7.72	5.87
	12/14/2017	<1.00	<1.00	2.69	1.47	88.8	74.7	0.211	<0.200	<1.00	<1.00	12.2	1.68	3.62 B	1.41	615	641	<0.0800	--	4.79	3.77	38.6	11.4
	12/18/2018	<1.00	<1.00	1.58	1.20	66.2	61.8	<0.200	<0.200	<1.00	<1.00	4.91	1.53	0.972	<0.200	598	608	<0.0800	--	2.18	1.87	15.2	6.43
	12/17/2019	1.09	<1.00	3.01	2.50	41.4	34.3	<0.200	<0.200	1.39	<1.00	9.13	<1.00	5.99	0.388	319	315	<0.0800	--	2.28	<1.00	38.2	<4.00
	12/2/2020	1.09	<1.00	2.20	1.45	81.4	81.1	0.212	<0.200	<1.00	<1.00	8.66	<2.00	2.73	<0.200	701	720	<0.0800	--	<2.00	<2.00	39.1	<4.00
	11/30/2021	1.64	<1.00	4.09	1.28	89.3	69.3	0.235	<0.200	<2.00	<2.00	8.58	<2.00	2.91	<0.200	686	658	<0.0800	--	2.02	<2.00	37.5	5.33
MW-86	7/2/2019	--	<1.00	--	8.09	--	218	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	2,110	--	--	--	<2.00	--	<4.00
	9/10/2019	--	<1.00	--	15.1	--	185	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	2,080	--	--	--	1.56	--	<4.00
	12/13/2019	<5.00	<1.00	16.4	16.2	162	156	<1.00	<0.200	<5.00	<1.00	<5.00	<1.00	0.434	<0.200	1,980	1,800	--	--	<20.0	1.55	<20.0	<4.00
	3/18/2020	<1.00	<1.00	20.6	20.1	145	134	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	2,230	2,230	--	--	<2.00	<2.00	<4.00	<4.00
	6/12/2020	<1.00	<1.00	10.5	11.3	48.8	49.9	<0.200	<0.200	<1.00	<1.00	2.32	<2.00	0.504	<0.200	560	596	--	--	2.53	2.44	11.7	<4.00
	9/9/2020	<1.00	<1.00	12.6	12.7	138	140	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.875	<0.200	1,940	1,830	--	--	2.35	<2.00	<4.00	<4.00
	12/3/2020	<1.00	<1.00	17.1	16.3	152	146	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	2,090	1,950	--	--	<2.00	<2.00	<4.00	<4.00
	3/11/2021	<1.00	<1.00	<1.00	<1.00	23.4	22.4	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	0.443	<0.200	333	327	--	--	2.38	<2.00	6.01	<4.00
	6/8/2021	<1.00	<1.00	4.22	4.01	126	123	<0.200	<0.200	<2.2													

Table E-4
Historical Groundwater Analytical Results - Metals
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Antimony		Arsenic		Barium		Cadmium		Chromium		Copper		Lead		Manganese		Mercury		Nickel		Zinc	
		Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Concentrations in µg/L (ppb)																					
SCHNITZER ASD YARD																							
MW-87 (continued)	12/2/2020 DUP	<1.00	<1.00	7.23	6.85	62.8	57.6	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	872	821	--	--	<2.00	<2.00	<4.00	<4.00
	3/11/2021	<1.00	<1.00	11.1	10.5	90.9	92.9	<0.200	<0.200	1.60	1.18	2.25	<2.00	1.64	1.17	2,320	2,300	--	--	<2.00	<2.00	12.9	7.38
	6/8/2021	<1.00	<1.00	13.7	13.7	138	135	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.475	<0.200	2,740	2,670	--	--	<2.00	<2.00	<4.00	<4.00
	9/23/2021	<1.00	<1.00	14.8	14.9	158	144	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.256	<0.200	3,160	3,050	--	--	2.04	<2.00	<4.00	<4.00
	12/1/2021	<1.00	<1.00	11.6	12.1	144	147	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.549	<0.200	2,920	2,920	--	--	<2.00	<2.00	<4.00	<4.00
	3/1/2022	<1.00	<1.00	10.3	9.84	63.1	57.2	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.390	<0.200	1,080	1,060	--	--	<2.00	<2.00	8.62	4.39 Q-17
	3/1/2022 DUP	<1.00	<1.00	10.8	10.5	67.9	62.0	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.387	<0.200	1,160	1,150	--	--	<2.00	<2.00	11.3	7.17 Q-17
MW-88	7/2/2019	--	<1.00	--	6.55	--	77.2	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,480 Q-42	--	--	--	<2.00	--	<4.00
	7/2/2019 DUP	--	<1.00	--	6.65	--	79.0	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,500	--	--	--	<2.00	--	<4.00
	9/11/2019	--	<1.00	--	6.18	--	86.8	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,770	--	--	--	<1.00	--	<4.00
	9/11/2019 DUP	--	<1.00	--	6.34	--	85.1	--	<0.200	--	<1.00	--	<1.00	--	<0.200	--	1,790	--	--	--	<1.00	--	<4.00
	12/13/2019	<1.00	<1.00	2.87	2.76	46.1	210	<0.200	<0.200	<1.00	<1.00	<1.00	<1.00	<0.200	<0.200	1,610	1,590	--	--	<1.00	<1.00	<4.00	<4.00
	3/18/2020	<1.00	<1.00	2.79	2.65	48.2	47.1	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,810	1,850	--	--	<2.00	<2.00	<4.00	<4.00
	6/12/2020	<1.00	<1.00	3.33	3.38	48.5	47.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	0.379	1,770	1,750	--	--	<2.00	<2.00	<4.00	<4.00
	9/11/2020	<1.00	<1.00	3.91	3.86	47.0	44.3	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,790	1,750	--	--	<2.00	<2.00	<4.00	<4.00
	12/3/2020	<1.00	<1.00	3.59	3.54	46.2	44.5	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,720	1,620	--	--	<2.00	<2.00	<4.00	<4.00
	3/11/2021	<1.00	<1.00	2.66	2.73	32.6	32.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,360	1,310	--	--	<2.00	<2.00	<4.00	<4.00
	3/11/2021 DUP	<1.00	<1.00	2.78	2.71	32.7	32.7	<0.200	<0.200	<1.00	<1.00	<2.00	<2.00	<0.200	<0.200	1,330	1,320	--	--	<2.00	<2.00	<4.00	<4.00
	6/11/2021	<1.00	<1.00	3.26	3.18	39.0	37.1	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,470	1,470	--	--	<2.00	<2.00	<4.00	<4.00
	9/23/2021	<1.00	<1.00	3.99	3.74	36.8	33.5	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,320	1,230	--	--	<2.00	<2.00	<4.00	<4.00
	9/23/2021 DUP	<1.00	<1.00	3.92	4.05	37.7	35.1	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,350	1,270	--	--	<2.00	<2.00	<4.00	<4.00
11/30/2021	<1.00	<1.00	2.67	2.70	35.5	36.3	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,640	1,640	--	--	<2.00	<2.00	<4.00	<4.00	
3/2/2022	<1.00	<1.00	2.71	2.72	32.6	28.9	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,270	1,170	--	--	<2.00	<2.00	<4.00	<4.00	
MW-89	7/2/2019	--	<1.00	--	7.53	--	110	--	<0.200	--	<1.00	--	<1.00	--	0.592	--	2,550	--	--	--	2.77	--	5.89
	9/10/2019	--	<1.00	--	10.9	--	69.5	--	<0.200	--	<1.00	--	<1.00	20.2	<0.200	2,230	1,930	--	--	16.5	1.56	72.0	<4.00
	12/16/2019	<1.00	<1.00	13.0	10.4	183	92.9	0.210	<0.200	20.2	<1.00	27.8	<1.00	20.2	<0.200	2,230	1,930	--	--	16.5	1.56	72.0	<4.00
	3/18/2020	<1.00	<1.00	10.6	9.37	125	98.5	<0.200	<0.200	7.55	1.74	11.0	2.97	6.84	2.90	2,060	1,980	--	--	6.57	<2.00	27.3	12.9
	6/11/2020	<1.00	<1.00	5.57	5.37	98.5	86.7	<0.200	<0.200	2.96	<1.00	4.04	<2.00	2.14	<0.200	1,610	1,580	--	--	<2.00	<2.00	7.95	<4.00
	9/9/2020	<1.00	<1.00	8.75	8.09	109	95.4	<0.200	<0.200	3.93	<1.00	6.66	<2.00	4.25	0.247	2,150	2,070	--	--	3.63	<2.00	25.6	<4.00
	12/1/2020	<1.00	<1.00	7.65	7.04	102	98.7	<0.200	<0.200	2.09	<1.00	2.62	<2.00	1.89	<0.200	1,860	1,800	--	--	<2.00	<2.00	8.26	<4.00
	3/11/2021	<1.00	<1.00	6.00	5.32	103	87.5	<0.200	<0.200	4.21	<1.00	6.66	<2.00	5.13	<0.200	1,760	1,650	--	--	4.19	<2.00	17.5	<4.00
	6/11/2021	<1.00	<1.00	8.20	7.15	105	94.5	<0.200	<0.200	4.39	<2.00	5.89	<2.00	3.90	<0.200	2,010	2,010	--	--	4.88	<2.00	23.1	<4.00
	9/22/2021	<1.00	<1.00	7.96	7.29	102	83.9	<0.200	<0.200	3.48	<2.00	4.58	<2.00	3.78	<0.200	1,810	1,680	--	--	3.37	<2.00	12.9	<4.00
	12/1/2021	<1.00	<1.00	9.87	8.4	115	82.1	<0.200	<0.200	8.54	<2.00	11.4	<2.00	8.25	<0.200	2,260	2,030	--	--	7.27	<2.00	40.0	<4.00
	4/22/2022	<1.00	<1.00	7.27	4.63	86.5	76.7	<0.200	<0.200	2.85	<2.00	3.63	<2.00	2.19	<0.200	1,600	1,510	--	--	2.36	<2.00	9.68	<4.00
MW-93	12/29/2021	<1.00	<1.00	10.6	10.8	138	133	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	3,100	3,050	--	--	4.27	3.80	<4.00	<4.00
	3/2/2022	<1.00	<1.00	13.9	13.0	204	176	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	4,700	3,840	--	--	<2.00	<2.00	<4.00	<4.00
	6/22/2022	<1.00	<1.00	13.4	14.7	141	134	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	1,990	2,010	--	--	<2.00	<2.00	<4.00	<4.00
	9/21/2022	<1.00	<1.00	15.3	15.8	133	127	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	0.219	<0.200	3,250	3,270	--	--	<2.00	<2.00	<4.00	<4.00
	9/21/22 DUP	<1.00	<1.00	14.9	15.8	130	127	<0.200	<0.200	<2.00	<2.00	<2.00	<2.00	<0.200	<0.200	3,100	3,090	--	--	2.43	<2.00	<4.00	<4.00
ROD Cleanup Level ⁶ .		NA		0.018		NA		0.094		11		2.74		0.54		430		NA		NA		36.5	
JSCS SLV ⁷ .		6		0.045		NA		0.094		100		2.7		0.54		50		0.77		16		36	

Notes:

1. Metals by EPA 6000/7000 Series.

2. mg/L (ppm) = milligrams per liter (parts per million).

3. < = constituent was not detected at a concentration greater than laboratory method reporting limit shown.

4. -- = not analyzed or not applicable.

5. **Bold** denotes analyte detected above laboratory reporting limit.

6. J = Result is an estimate. Reported concentration is less than the reporting limit, but greater than or equal to the detection limit

7. ROD Cleanup Levels from U.S. EPA Errata #2 for the Record of Decision Table 17 for Portland Harbor Superfund Site, Portland, Oregon, January 2020. The level shown is the Groundwater Cleanup Level unless one was not available, in which case the Surface Water Cleanup Level was used, per DEQ Guidance

8. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005.

9. Shading denotes analyte detected above screening criteria. As instructed by DEQ, concentrations of analytes were compared to the Portland Harbor Cleanup Level. If neither a Groundwater or Surface Water Cleanup Level was available, the data were compared to the Joint Source Control Strategy Screening Level Value.

10. B = analyte detected in an associated blank at a level above the MRL.

11. B-02 = analyte detected in an associated blank at a level between one-half the MRL and the MRL.

12. Q-17 = RPD between original and duplicate sample is outside of established control limits.

13. Q-42 = Matrix spike and/or duplicate analysis was performed on this sample. Percent recovery or RPD for this analyte is outside laboratory control limits. Concentration is estimated

14. NA = Cleanup Level and SLV not available for this analyte.



Table E-5
Historical Groundwater Analytical Results - Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)					
		AREA 1					
MW-52	1/21/2019	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63
	3/5/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	6/19/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/10/2019	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
	12/10/2019	<0.392	<0.392	<0.392	<0.392	<0.392	<0.392
	3/17/2020	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	6/10/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/10/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	3/10/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	6/10/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/23/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	12/2/2021	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
	3/2/2022	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
MW-62	1/21/2019	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63
	3/6/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	6/19/2019	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	9/10/2019	<0.381	<0.381	0.522	<0.381	<0.381	<0.381
	12/10/2019	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	3/17/2020	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
	6/10/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/10/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	3/9/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/8/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/8/2021 DUP	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/21/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	12/2/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
12/2/2021 DUP	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	
3/2/2022	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374	
MW-90	7/2/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/10/2019	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	12/12/2019	<0.388	<0.388	<0.388	<0.388	<0.388	<0.388
	3/17/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/9/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	12/1/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/9/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/8/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/22/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/2/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	3/2/2022	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
ROD Cleanup Level ⁷ .		0.2	NA	NA	NA	NA	NA
JSCS SLV ⁸ .		2.2	3	3	3	3	3

Please refer to notes at end of table.

Table E-5
Historical Groundwater Analytical Results - Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)					
AREA 1							
MW-91	7/2/2019	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	9/10/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/12/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	3/17/2020	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
	3/17/2020 DUP	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	6/10/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	6/10/2020 DUP	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/10/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/10/2020 DUP	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2020	<0.388	<0.388	<0.388	<0.388	<0.388	<0.388
	3/11/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	6/10/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/23/2021	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408
	12/2/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
3/3/2022	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408	
AREA 2							
MW-17	12/1/2010	0.627 J	<0.971	<0.971	<0.971	<0.971	<0.971
	12/1/2010 DUP	0.62 J	<0.971	<0.971	<0.971	<0.971	<0.971
	6/2/2011	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962
	12/14/2011	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952
	3/27/2012	0.70 J	<0.510	<0.510	<0.510	<0.510	<0.510
	3/27/2012 DUP	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
	7/6/2012	<0.935	<0.935	<0.935	<0.935	<0.935	<0.935
	12/5/2012	<0.935	1.34	<0.935	<0.935	<0.935	<0.935
	6/19/2013	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	6/19/2013 DUP	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	12/16/2013	<2.12	<2.88	<2.88	<2.88	<2.88	<2.88
	12/16/2013 DUP	<2.12	<2.88	<2.88	<2.88	<2.88	<2.88
	6/11/2014	<2.10	<2.86	<2.86	<2.86	<2.86	<2.86
	6/11/2014 DUP	<2.10	<2.86	<2.86	<2.86	<2.86	<2.86
	12/23/2014	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	12/23/2014 DUP	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	7/6/2015	0.297	<0.381	<0.381	<0.381	<0.381	<0.381
	12/17/2015	0.641	<0.385	<0.385	<0.385	<0.385	<0.385
	6/22/2016	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	6/22/2016 DUP	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	12/9/2016	<0.374 H	<0.374 H	<0.374 H	<0.374 H	<0.374 H	<0.374 H
	12/9/2016 DUP	<0.374 H	<0.374 H	<0.374 H	<0.374 H	<0.374 H	<0.374 H
	6/28/2017	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/13/2017	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	12/13/2017 DUP	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/27/2018	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/19/2018	0.696	<0.374	<0.374	<0.374	<0.374	0.508
	3/6/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	6/19/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
ROD Cleanup Level ⁷ .		0.2	NA	NA	NA	NA	NA
JSCS SLV ⁸ .		2.2	3	3	3	3	3

Please refer to notes at end of table.

Table E-5
Historical Groundwater Analytical Results - Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)					
AREA 2							
MW-17 (continued)	9/10/2019	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	12/16/2019	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	12/16/2019 DUP	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	3/18/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/11/2020	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
	9/11/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/3/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	3/10/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	3/10/2021 DUP	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	6/9/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/21/2021	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
	12/1/2021	<0.412	<0.412	<0.412	<0.412	<0.412	<0.412
3/1/2022	<0.440	<0.440	<0.440	<0.440	<0.440	<0.440	
MW-31	8/20/2009	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952
	8/20/2009 DUP	0.713 J	<0.952	<0.952	<0.952	<0.952	<0.952
	1/21/2019	<0.392	<0.392	<0.392	<0.392	<0.392	<0.392
MW-66	12/16/2013	<10.5	<14.3	<14.4	<14.5	<14.6	<14.7
	6/27/2017	0.968 J	<1.51	<1.51	<1.51	<1.51	<1.51
	1/21/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
MW-81	12/8/2009	1.03	<0.962	<0.962	<0.962	<0.962	<0.962
	12/8/2009 DUP	0.912	<0.962	<0.962	<0.962	<0.962	<0.962
	12/1/2010	0.971	<0.952	<0.952	<0.952	<0.952	<0.952
	12/15/2011	<0.952	<0.952	<0.952	<0.952	<0.952	<0.952
	3/28/2012	<0.510	<0.510	<0.510	<0.510	<0.510	<0.510
	7/6/2012	<0.935	<0.935	<0.935	<0.935	<0.935	<0.935
	12/5/2012	1.29	1.56	<0.935	<0.935	<0.935	<0.935
	12/16/2013	<10.5	<14.3	<14.3	<14.3	<14.3	<14.3
	12/23/2014	<2.08	<2.83	<2.83	<2.83	<2.83	<2.83
	12/17/2015	0.990 J	<1.52	<1.52	<1.52	<1.52	<1.52
	12/9/2016	<1.50 H	<1.50 H	<1.50 H	<1.50 H	<1.50 H	<1.50 H
	12/13/2017	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	12/17/2018	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	12/16/2019	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
MW-82	7/2/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/10/2019	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	12/12/2019	<1.60	<1.60	<1.60	<1.60	<1.60	<1.60
	3/17/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	6/10/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	9/9/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	12/1/2020	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63
	3/10/2021	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
	6/9/2021	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/22/2021	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/1/2021	<0.396	<0.396	<0.396	<0.396	<0.396	<0.396
	3/2/2022	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
ROD Cleanup Level ⁷ .		0.2	NA	NA	NA	NA	NA
JSCS SLV ⁸ .		2.2	3	3	3	3	3

Please refer to notes at end of table.

Table E-5
Historical Groundwater Analytical Results - Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)					
AREA 2							
MW-83	7/2/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/11/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/12/2019	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
	3/18/2020	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	6/11/2020	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	9/9/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	12/1/2020	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421
	3/10/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/9/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/22/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2021	<0.396	<0.396	<0.396	<0.396	<0.396	<0.396
	3/1/2022	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
MW-84	7/2/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/10/2019	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	12/16/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	3/18/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/10/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	9/10/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2020	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
	3/9/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	6/9/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/23/2021	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408
	12/1/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	3/2/2022	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
MW-85	7/2/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/11/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/12/2019	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
	3/18/2020	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	6/11/2020	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
	9/11/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/3/2020	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408
	3/10/2021	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
	6/9/2021	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
	9/22/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/22/2021 DUP	<0.396	<0.396	<0.396	<0.396	<0.396	<0.396
	12/1/2021	<0.412	<0.412	<0.412	<0.412	<0.412	<0.412
	3/1/2022	<0.396	<0.396	<0.396	<0.396	<0.396	<0.396
ROD Cleanup Level ⁷ :		0.2	NA	NA	NA	NA	NA
JSCS SLV ⁸ :		2.2	3	3	3	3	3

Please refer to notes at end of table.

Table E-5
Historical Groundwater Analytical Results - Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)					
AREA 2							
MW-92	7/2/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/10/2019	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
	12/12/2019	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	3/18/2020	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	6/11/2020	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
	9/11/2020	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	12/3/2020	<0.396	<0.396	<0.396	<0.396	<0.396	<0.396
	3/10/2021	<0.374	<0.374	<0.374	<0.374	<0.374	<0.374
	6/9/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	9/22/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	3/1/2022	<0.388	<0.388	<0.388	<0.388	<0.388	<0.388
SMW-12	12/7/2009	<0.971	<0.971	<0.971	<0.971	<0.971	<0.971
SCHNITZER ASD YARD							
MW-14	1/21/2019	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
	3/5/2019	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	6/20/2019	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	9/11/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/11/2019	<1.62	<1.62	<1.62	<1.62	<1.62	<1.62
	12/11/2019 DUP	<1.57	<1.57	<1.57	<1.57	<1.57	<1.57
	3/18/2020	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	6/10/2020	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/9/2020	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/3/2020	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	3/11/2021	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	6/8/2021	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55
	Well decommissioned in January 2022						
MW-79	8/20/2009	0.821 J	<0.971	<0.971	<0.971	<0.971	<0.971
	8/20/2009 DUP	1.66	<0.962	<0.962	<0.962	<0.962	<0.962
	12/8/2009	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962
	12/8/2009 DUP	0.603 J	<0.962	<0.962	<0.962	<0.962	<0.962
	6/3/2010	<0.966	<0.966	<0.966	<0.966	<0.966	<0.966
	12/1/2010	0.781 J	<0.952	<0.952	<0.952	<0.952	<0.952
	6/2/2011	<0.971	<0.971	<0.971	<0.971	<0.971	<0.971
	6/2/2011 DUP	<0.966	<0.966	<0.966	<0.966	<0.966	<0.966
	12/16/2011	--	<0.952	<0.952	<0.952	<0.952	<0.952
	3/28/2012	1.80	<0.510	<0.510	<0.510	<0.510	<0.510
	7/6/2012	1.35	<0.935	<0.935	<0.935	<0.935	<0.935
	12/5/2012	<0.935	1.36	<0.935	<0.935	<0.935	<0.935
	6/19/2013	<8.30	<11.3	<11.3	<11.3	<11.3	<11.3
	12/13/2013	<8.38	<11.4	<11.4	<11.4	<11.4	<11.4
	6/12/2014	<2.12	<2.88	<2.88	<2.88	<2.88	<2.88
	12/19/2014	<8.30	<11.3	<11.3	<11.3	<11.3	<11.3
12/18/2015	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52	
ROD Cleanup Level ⁷ .		0.2	NA	NA	NA	NA	NA
JSCS SLV ⁸ .		2.2	3	3	3	3	3

Please refer to notes at end of table.

Table E-5
Historical Groundwater Analytical Results - Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)					
SCHNITZER ASD YARD							
MW-79 (continued)	6/23/2016	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	12/12/2016	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	6/28/2017	0.968 J	<1.51	<1.51	<1.51	<1.51	<1.51
	12/14/2017	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	6/26/2018	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
	12/18/2018	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	6/20/2019	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	12/10/2019	<0.748	<0.748	<0.748	<0.748	<0.748	<0.748
6/11/2020	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	
MW-80	12/8/2009	<0.962	<0.962	<0.962	<0.962	<0.962	<0.962
MW-86	7/2/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/10/2019	<1.60	<1.60	<1.60	<1.60	<1.60	<1.60
	12/13/2019	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65
	3/18/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	6/12/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	9/9/2020	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/3/2020	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	3/11/2021	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
	6/8/2021	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	9/22/2021	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	11/30/2021	<1.70	<1.70	<1.70	<1.70	<1.70	<1.70
3/1/2022	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	
MW-87	7/2/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	7/2/2019 DUP	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/11/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/11/2019 DUP	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/11/2019	<1.68	<1.68	<1.68	<1.68	<1.68	<1.68
	3/18/2020	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	6/12/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	9/9/2020	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/2/2020	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	3/11/2021	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
	6/8/2021	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	9/23/2021	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63
	12/1/2021	<1.52	<1.52	<1.52	<1.52	<1.52	<1.52
3/1/2022	<0.392	<0.392	<0.392	<0.392	<0.392	<0.392	
ROD Cleanup Level ⁷ .		0.2	NA	NA	NA	NA	NA
JSCS SLV ⁸ .		2.2	3	3	3	3	3

Please refer to notes at end of table.

Table E-5
Historical Groundwater Analytical Results - Phthalates
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	Bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	Diethylphthalate	Dimethyl phthalate	Di-N-Butyl phthalate	Di-N-Octyl phthalate
		Concentrations in µg/L (ppb)					
SCHNITZER ASD YARD							
MW-88	7/2/2019	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	9/11/2019	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	12/13/2019	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	3/18/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	6/12/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	9/11/2020	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55
	12/3/2020	<1.51	<1.51	<1.51	<1.51	<1.51	<1.51
	12/3/2020 DUP	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	3/11/2021	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	6/11/2021	<1.60	<1.60	<1.60	<1.60	<1.60	<1.60
	9/23/2021	<1.62	<1.62	<1.62	<1.62	<1.62	<1.62
	11/30/2021	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63
	3/2/2022	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63
MW-89	7/2/2019	<1.57	<1.57	<1.57	<1.57	<1.57	<1.57
	9/10/2019	<1.78	<1.78	<1.78	<1.78	<1.78	<1.78
	12/16/2019	<1.54	<1.54	<1.54	<1.54	<1.54	<1.54
	3/18/2020	<1.50	<1.50	<1.50	<1.50	<1.50	<1.50
	6/11/2020	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
	9/9/2020	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2020	<0.412	<0.412	<0.412	<0.412	<0.412	<0.412
	3/11/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	6/11/2021	<0.396	<0.396	<0.396	<0.396	<0.396	<0.396
	9/22/2021	<0.377	<0.377	<0.377	<0.377	<0.377	<0.377
	12/1/2021	<0.381	<0.381	<0.381	<0.381	<0.381	<0.381
	3/2/2022	<0.404	<0.404	<0.404	<0.404	<0.404	<0.404
	3/2/2022 DUP	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408
MW-93	12/29/2021	<1.67	<1.67	<1.67	<1.67	<1.67	<1.67
	3/2/2022	<1.63	<1.63	<1.63	<1.63	<1.63	<1.63
ROD Cleanup Level ⁷ .		0.2	NA	NA	NA	NA	NA
JSCS SLV ⁸ .		2.2	3	3	3	3	3

Notes:

1. Phthalates by EPA 8270 SIM.
2. µg/L (ppb) = micrograms per liter (parts per billion).
3. J = result is less than the reporting limit, but greater than or equal to the detection limit.
4. -- = not analyzed or not applicable.
5. **Bold** denotes analyte detected above laboratory reporting limit.
6. H = Holding time violation. Reported values are minimum concentrations.
7. ROD Cleanup Levels from U.S. EPA Errata #2 for the Record of Decision Table 17 for Portland Harbor Superfund Site, Portland, Oregon, January 2020. The level shown is the Groundwater Cleanup Level unless one was not available, in which case the Surface Water Cleanup Level was used, per DEQ Guidance.
8. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005.
9. NA = Cleanup Level and SLV not available for this analyte.
10. < = constituent was not detected at a concentration greater than laboratory method reporting limit shown.
11. Shading denotes analyte detected above screening criteria. As instructed by DEQ, concentrations of analytes were compared to the Portland Harbor Cleanup Level. If neither a Groundwater or Surface Water Cleanup Level was available, the data were compared to the Joint Source Control Strategy Screening Level Value.

Table E-6
Historical Groundwater Analytical Results - Polychlorinated Biphenyls
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	PCBs						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)						
AREA 1								
MW-90	7/2/2019	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	9/10/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/12/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	3/17/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/9/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/9/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/1/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/8/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/22/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/2/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/2/2022	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
MW-91	7/2/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/10/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/12/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	3/17/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/10/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/10/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/1/2020	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	12/1/2020 DUP	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	3/11/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/10/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/23/2021	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
	12/2/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/3/2022	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
AREA 2								
MW-17	1/21/2019	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
	3/6/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/19/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/10/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	12/16/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	12/16/2019 DUP	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	3/18/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/3/2020	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	3/10/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/10/2021 DUP	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/9/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/21/2021	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990
	12/1/2021	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
	3/1/2022	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990
MW-31	1/21/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
MW-66	1/21/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
ROD Cleanup Level ⁶ .		0.014						
JSCS SLV ⁷ .		0.96	0.034	0.034	0.034	0.034	0.033	0.034

Please refer to notes at end of table.

Table E-6
Historical Groundwater Analytical Results - Polychlorinated Biphenyls
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	PCBs						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)						
AREA 2								
MW-81	12/1/2010	<0.485	<0.971	<0.485	<0.485	<0.485	<0.485	<0.485
	12/15/2011	<0.0943	<0.189	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/28/2012	<0.0530	<0.110	<0.0530	<0.0530	<0.0530	<0.0530	<0.0530
	7/6/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/5/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/16/2013	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377
	12/23/2014	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377
	12/17/2015	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385
	12/9/2016	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374
	12/14/2017	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/17/2018	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	12/16/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
MW-82	7/2/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/10/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/12/2019	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	3/17/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/10/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/9/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/1/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/10/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/9/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/22/2021	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
	12/1/2021	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
	3/2/2022	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
MW-83	7/2/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/11/2019	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
	12/12/2019	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	3/18/2020	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	6/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/9/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/1/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/10/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/9/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/22/2021	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
	12/1/2021	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
	3/1/2022	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
3/1/2022 DUP	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	
ROD Cleanup Level ⁶ .		0.014						
JSCS SLV ⁷ .		0.96	0.034	0.034	0.034	0.034	0.033	0.034

Please refer to notes at end of table.

Table E-6
Historical Groundwater Analytical Results - Polychlorinated Biphenyls
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	PCBs						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)						
AREA 2								
MW-84	7/2/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/10/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/16/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	3/18/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/10/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/10/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/1/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/9/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/9/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/23/2021	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
	12/1/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	3/2/2022	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
MW-85	7/2/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/11/2019	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	12/12/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/18/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/3/2020	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980
	3/10/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/9/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/22/2021	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105
	12/1/2021	<0.103	<0.103	<0.103	<0.103	<0.103	<0.103	<0.103
	12/1/2021 DUP	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
3/1/2022	<0.103	<0.103	<0.103	<0.103	<0.103	<0.103	<0.103	
MW-92	7/2/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	9/10/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/12/2019	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	3/18/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/11/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/3/2020	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	3/10/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/9/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/22/2021	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
	12/1/2021	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	3/1/2022	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
ROD Cleanup Level ⁶		0.014						
JSCS SLV ⁷		0.96	0.034	0.034	0.034	0.034	0.033	0.034

Please refer to notes at end of table.

Table E-6
Historical Groundwater Analytical Results - Polychlorinated Biphenyls
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	PCBs						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)						
SCHNITZER ASD YARD								
MW-14	1/21/2019	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
	3/5/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	6/20/2019	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	9/11/2019	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	12/11/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	3/18/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/10/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/9/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/3/2020	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	3/11/2021	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	6/8/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	Well decommissioned in January 2022							
MW-74	12/2/2010	<0.490	<0.980	<0.490	<0.490	<0.490	<0.490	<0.490
	12/16/2011	<0.0943	<0.189	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/28/2012	<0.0510	<0.10	<0.0510	<0.0510	<0.0510	<0.0510	<0.0510
	7/6/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/5/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/22/2014	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377	<0.0377
	12/16/2015	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392
	12/9/2016	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374
	12/13/2017	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	12/19/2018	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/13/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
MW-76	12/2/2010	<0.485	<0.971	<0.485	<0.485	<0.485	<0.485	<0.485
	12/16/2011	<0.0943	<0.189	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/16/2011 DUP	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/28/2012	<0.0530	<0.110	<0.0530	<0.0530	<0.0530	<0.0530	<0.0530
	3/28/2012 DUP	<0.053	<0.11	<0.053	<0.053	<0.053	<0.053	<0.053
	7/6/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/5/2012	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/16/2013	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392	<0.0392
	12/19/2014	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381
	12/23/2015	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381
	12/7/2016	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374	<0.0374
	12/13/2017	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/19/2018	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/16/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
MW-79	12/19/2014	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381	<0.0381
ROD Cleanup Level ⁶		0.014						
JSCS SLV ⁷		0.96	0.034	0.034	0.034	0.034	0.033	0.034

Please refer to notes at end of table.

Table E-6
Historical Groundwater Analytical Results - Polychlorinated Biphenyls
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	PCBs						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)						
SCHNITZER ASD YARD								
MW-86	7/2/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/10/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/13/2019	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	3/18/2020	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
	6/12/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/9/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	12/3/2020	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	3/11/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/8/2021	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
	9/22/2021	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
	11/30/2021	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
	3/1/2022	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
MW-87	7/2/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	7/2/2019 DUP	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/11/2019	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	9/11/2019 DUP	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/11/2019	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	3/18/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/12/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/9/2020	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	12/2/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/11/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/8/2021	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990	<0.0990
	6/8/2021 DUP	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/23/2021	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
	12/1/2021	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105
	3/1/2022	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104	<0.104
MW-88	7/2/2019	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/11/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/13/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/18/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	3/18/2020 DUP	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/12/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/12/2020 DUP	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/11/2020 DUP	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	12/3/2020	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	3/11/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/11/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/23/2021	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
	9/23/2021 DUP	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
	11/30/2021	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108
	3/2/2022	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
ROD Cleanup Level ⁶ .		0.014						
JSCS SLV ⁷ .		0.96	0.034	0.034	0.034	0.034	0.033	0.034

Please refer to notes at end of table.

Table E-6
Historical Groundwater Analytical Results - Polychlorinated Biphenyls
Gunderson LLC
Portland, Oregon

Well ID	Sample Date	PCBs						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
		Concentrations in µg/L (ppb)						
SCHNITZER ASD YARD								
MW-89	7/2/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/10/2019	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
	12/16/2019	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/18/2020	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	6/11/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	9/9/2020	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952	<0.0952
	12/1/2020	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	3/11/2021	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943	<0.0943
	6/11/2021	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935	<0.0935
	9/22/2021	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
	12/1/2021	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106
3/2/2022	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	<0.106	
MW-93	12/29/2021	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102	<0.102
	3/2/2022	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101	<0.101
ROD Cleanup Level ⁶ .		0.014						
JSCS SLV ⁷ .		0.96	0.034	0.034	0.034	0.034	0.033	0.034

Notes:

1. PCBs = polychlorinated biphenyls by EPA 8082.
2. µg/L (ppb) = micrograms per liter (parts per billion).
3. -- = not analyzed or not applicable.
4. **Bold** denotes analyte detected above laboratory reporting limit.
5. J = result is less than the reporting limit, but greater than or equal to the detection limit.
6. ROD Cleanup Levels from U.S. EPA Errata #2 for the Record of Decision Table 17 for Portland Harbor Superfund Site, Portland, Oregon, January 2020. The level shown is the Groundwater Cleanup Level unless one was not available, in which case the Surface Water Cleanup Level was used, per DEQ Guidance.
7. JSCS SLV = Screening Level Values from Portland Harbor Joint Source Control Strategy (JSCS), December 2005.
8. < = constituent was not detected at a concentration greater than laboratory method reporting limit shown.

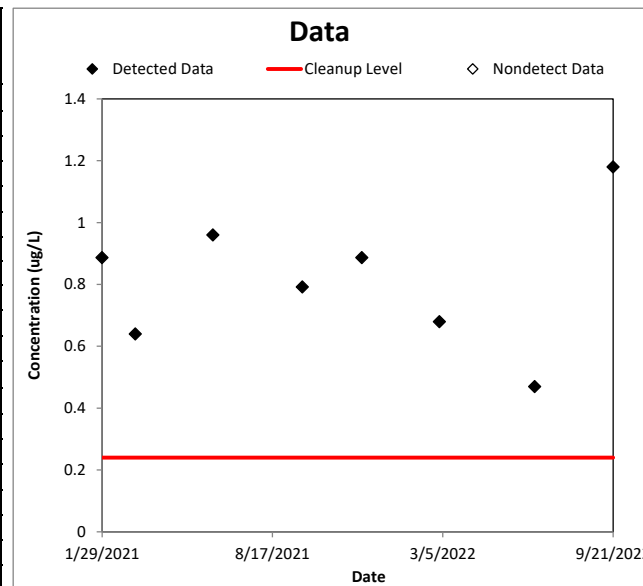
APPENDIX F
EPA Groundwater Statistics Tool Evaluation of Area 1
VOC Concentration Trends

WELL MW-103

TETRACHLOROETHENE (PCE)

Data input worksheet

Number of data points:	8
Number of detected results:	8
Number of nondetect results:	0
Detection frequency:	100%

[illegible]

Data Review		Recommendations
Are all necessary data fields entered, and in proper format?	Yes	None
Are at least 4 data points present for statistical analysis?	Yes	None
Are at least 8 data points present for an attainment evaluation?	Yes	None
Are detection limits for nondetects $\leq$ maximum detected value?	Yes	None
Are all data within chart axis limits?	Yes	None
Select Axis Values and Press "Reset Axes" after entering data.		

Axis Values			
Time		Concentration	
Min	Max	Min	Max
Auto	Auto	Auto	Auto

Reset Axes

Pressing the "Check for Outliers" button to the right will open a worksheet that shows the results of a Dixon's test for outliers.

Next Step: Check for Outliers

Groundwater Statistics Tool

Trend test results for datasets with normally distributed residuals

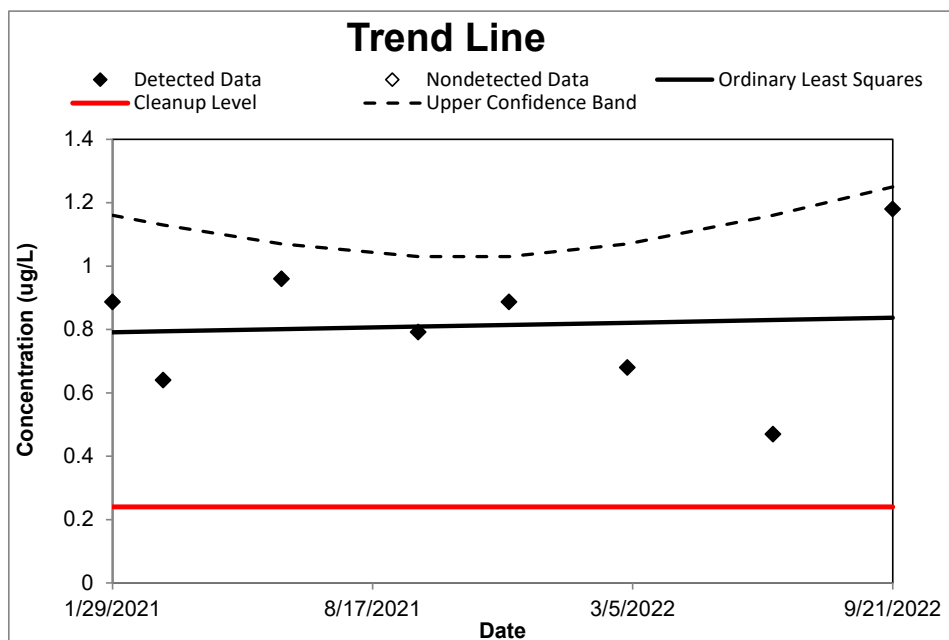
i	t (Date)	C (ug/L)	C Predicted	Fit residual	Upper Confidence Band
1	1/29/2021	0.887	0.791	0.096	1.16
2	3/9/2021	0.64	0.794	-0.154	1.13
3	6/8/2021	0.96	0.801	0.159	1.07
4	9/21/2021	0.792	0.809	-0.017	1.03
5	11/30/2021	0.887	0.814	0.073	1.03
6	3/1/2022	0.68	0.821	-0.141	1.07
7	6/21/2022	0.47	0.83	-0.36	1.16
8	9/21/2022	1.18	0.837	0.343	1.25
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Select Axis Values and press "Reset Axes" to see future trends.

Axis Values			
Time		Concentration	
Min	Max	Min	Max
AUTO	AUTO	AUTO	AUTO

Reset Axes

Ordinary Least Squares	
Slope	0.0000774
Intercept	-2.63
R ²	0.0059
Test result	No trend
Test statistic	0.189
Critical value	1.943
Trend type	Normal
When concentration is predicted to achieve the cleanup level	NA
When concentration is predicted to exceed the cleanup level	NA



Previous Step: Normality Screen

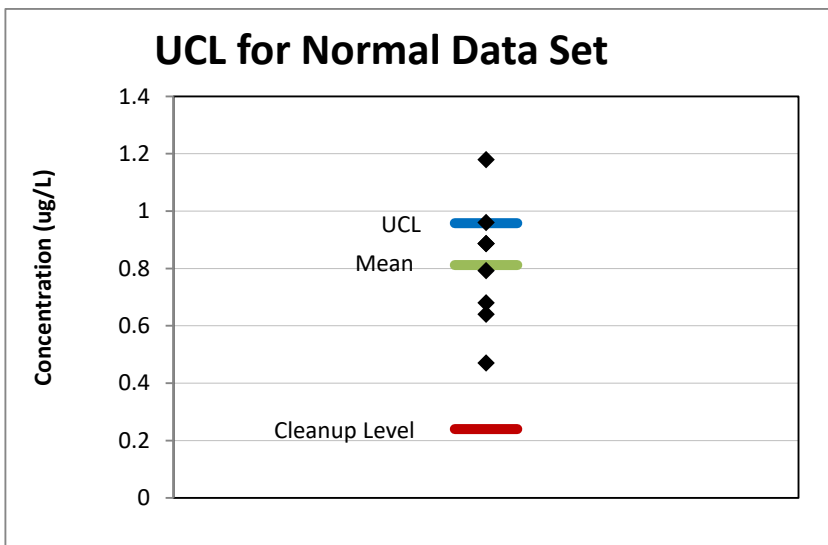
Next Step: UCL Screen

Groundwater Statistics Tool

UCL calculations for normal data sets

Confidence Level	95%
Cleanup level	0.24
Source of cleanup level	MCL
Number of results	8
Number < cleanup level	0
Number of non-detects present	0
Are any potential outliers present?	No
Distribution Type	Normal
Method for calculating UCL	Student's t UCL

Mean of concentration	0.812
Standard deviation of concentration	0.218
t-value for UCL calculation	1.895
95% Upper Confidence Limit (UCL)	0.958
Is the 95% UCL greater than the cleanup level?	Yes



Restart: Data Input Screen

Previous Step: Trend Screen

Next Step: Site & Summary Statistics

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

General Information

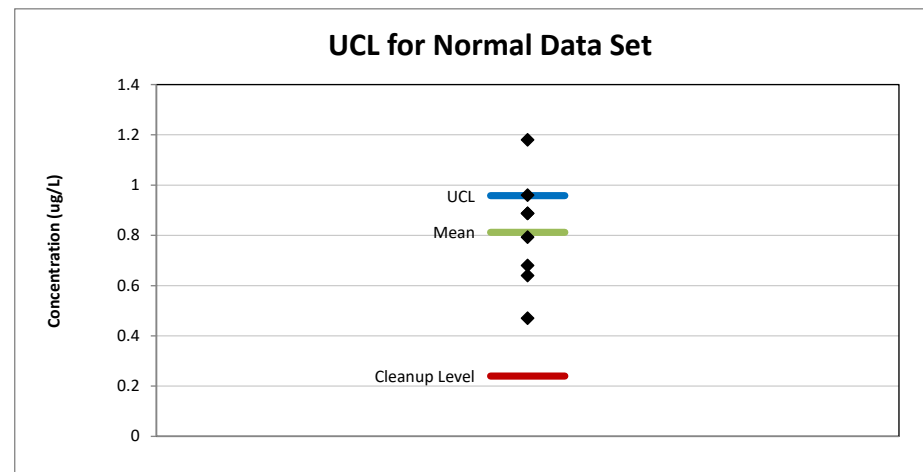
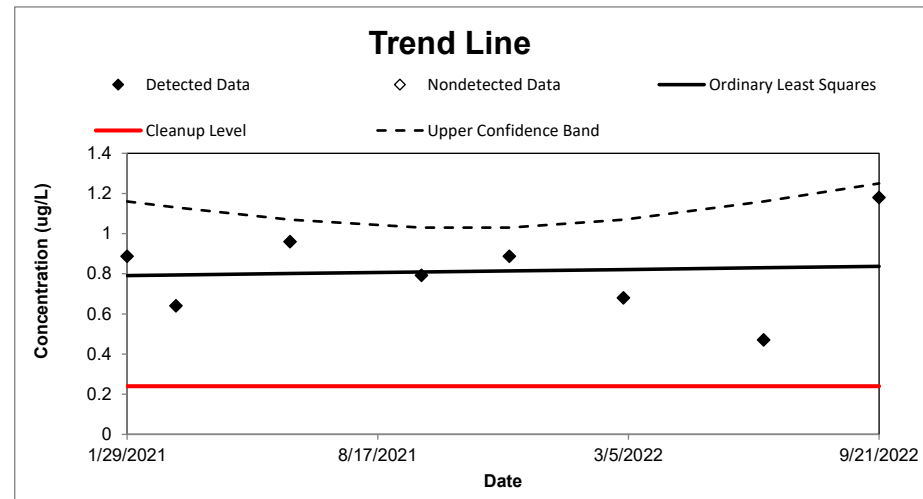
Analyst	JW
Date of Evaluation	12/5/2022
Site Name	Gunderson
Operable Unit	Area
Type of Evaluation	Attainment
Well Name/Number	MW-103
Chemical of Concern	PCE
Concentration Units	ug/L
Cleanup Level	0.24
Source of Cleanup Level	MCL
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	8
Outliers present?	No
Number of Non-Detects	0

Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	0.0000774
Intercept	-2.63
R ²	0.0059
Test Result	No trend
When concentration is predicted to achieve the cleanup level	NA
When concentration is predicted to exceed the cleanup level	NA

UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	0.812
95% UCL	0.958
Is the 95% UCL greater than the cleanup level?	Yes



Previous Step: Trend Screen

Previous Step: UCL Screen

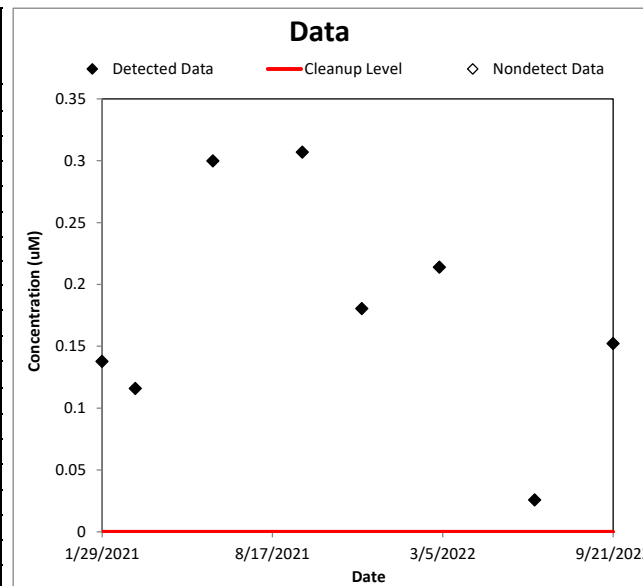
Restart: Data Input Screen

WELL MW-103

Total Molar HVOCs

Data input worksheet

Number of data points:	8
Number of detected results:	8
Number of nondetect results:	0
Detection frequency:	100%

[illegible]

Data Review		Recommendations
Are all necessary data fields entered, and in proper format?	Yes	None
Are at least 4 data points present for statistical analysis?	Yes	None
Are at least 8 data points present for an attainment evaluation?	Yes	None
Are detection limits for nondetects $\leq$ maximum detected value?	Yes	None
Are all data within chart axis limits?	Yes	None
Select Axis Values and Press "Reset Axes" after entering data.		

Axis Values			
Time		Concentration	
Min	Max	Min	Max
Auto	Auto	Auto	Auto

Pressing the "Check for Outliers" button to the right will open a worksheet that shows the results of a Dixon's test for outliers.

Groundwater Statistics Tool

Trend test results for datasets with normally distributed residuals

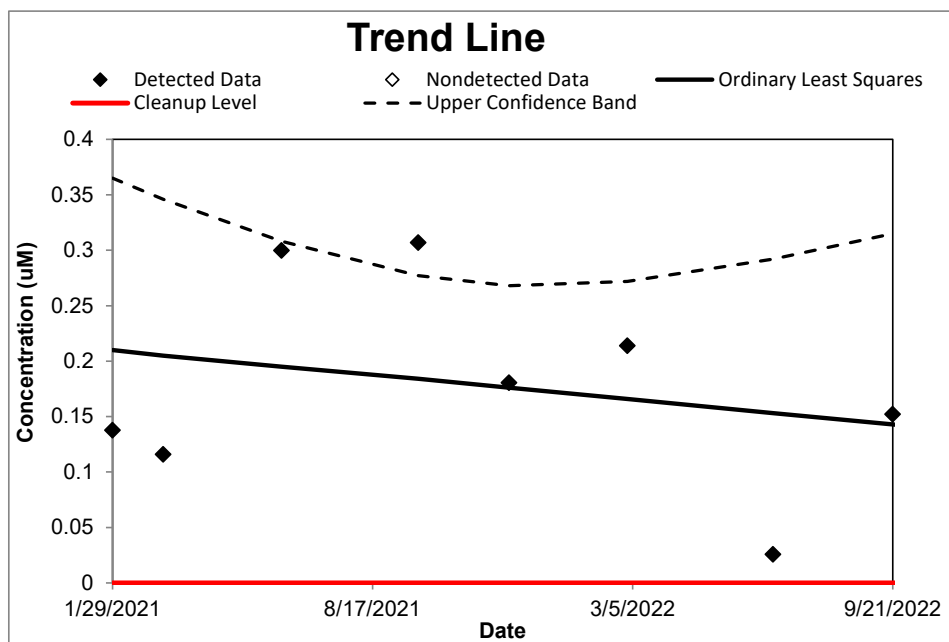
i	t (Date)	C (uM)	C Predicted	Fit residual	Upper Confidence Band
1	1/29/2021	0.137741994	0.21	-0.072258	0.365
2	3/9/2021	0.115950581	0.205	-0.089049	0.346
3	6/8/2021	0.29988883	0.195	0.1048888	0.308
4	9/21/2021	0.307008551	0.184	0.1230086	0.277
5	11/30/2021	0.180525448	0.176	0.0045254	0.268
6	3/1/2022	0.213912935	0.166	0.0479129	0.272
7	6/21/2022	0.025779127	0.153	-0.127221	0.292
8	9/21/2022	0.152277244	0.143	0.0092772	0.315
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Select Axis Values and press "Reset Axes" to see future trends.

Axis Values			
Time		Concentration	
Min	Max	Min	Max
AUTO	AUTO	AUTO	AUTO

Reset Axes

Ordinary Least Squares	
Slope	-0.000111
Intercept	5.12
R ²	0.0653
Test result	No trend
Test statistic	-0.647
Critical value	1.943
Trend type	Normal
When concentration is predicted to achieve the cleanup level	4/4/2026
When concentration is predicted to exceed the cleanup level	NA



Previous Step: Normality Screen

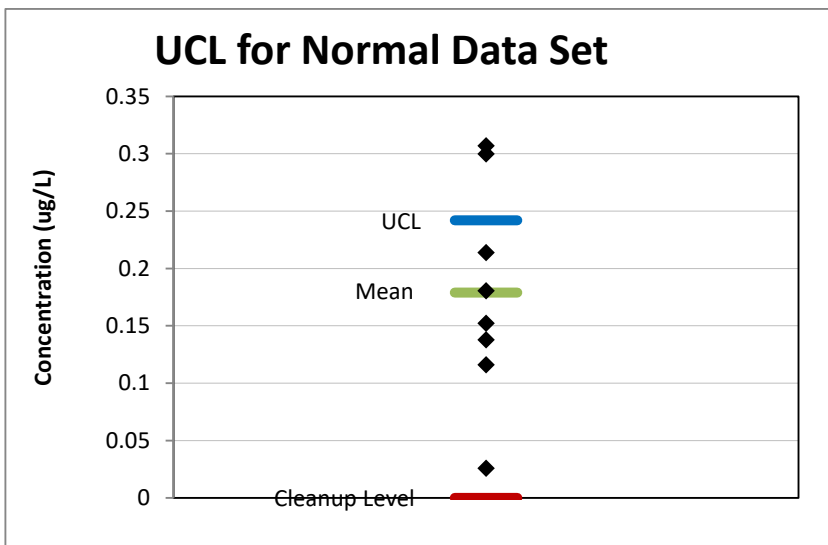
Next Step: UCL Screen

Groundwater Statistics Tool

UCL calculations for normal data sets

Confidence Level	95%
Cleanup level	0
Source of cleanup level	0
Number of results	8
Number < cleanup level	0
Number of non-detects present	0
Are any potential outliers present?	No
Distribution Type	Normal
Method for calculating UCL	Student's t UCL

Mean of concentration	0.179
Standard deviation of concentration	0.0942
t-value for UCL calculation	1.895
95% Upper Confidence Limit (UCL)	0.242
Is the 95% UCL greater than the cleanup level?	Yes



Restart: Data Input Screen

Previous Step: Trend Screen

Next Step: Site & Summary Statistics

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

General Information

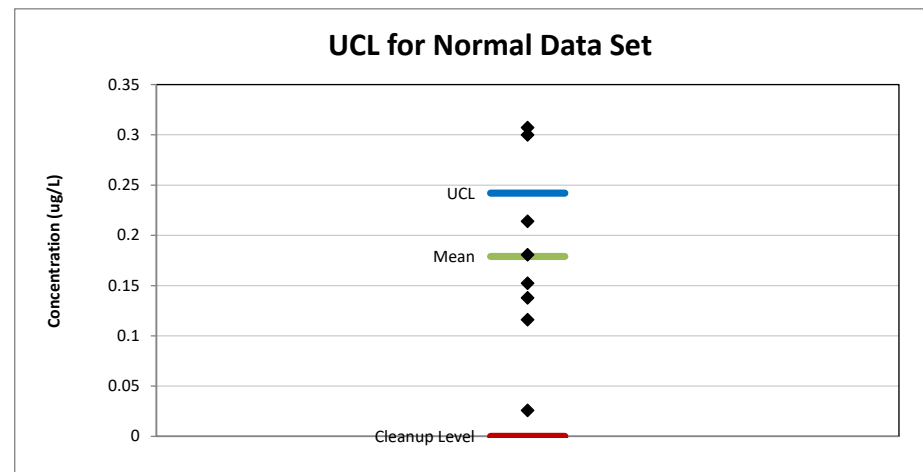
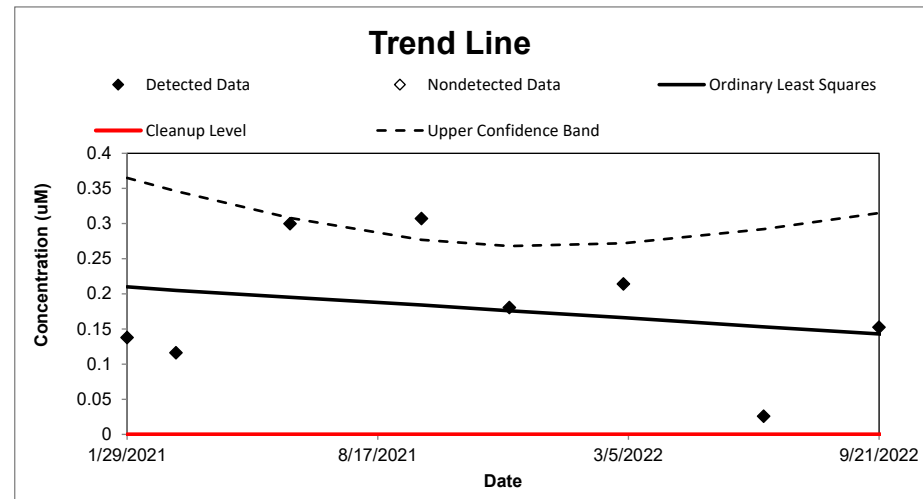
Analyst	JW
Date of Evaluation	12/5/2022
Site Name	Gunderson
Operable Unit	Area
Type of Evaluation	Remediation
Well Name/Number	MW-103
Chemical of Concern	Molar HVOCs
Concentration Units	uM
Cleanup Level	0
Source of Cleanup Level	0.000
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	8
Outliers present?	No
Number of Non-Detects	0

Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	Yes
Slope	-0.000111
Intercept	5.12
R ²	0.0653
Test Result	No trend
When concentration is predicted to achieve the cleanup level	4/4/2026
When concentration is predicted to exceed the cleanup level	NA

UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	0.179
95% UCL	0.242
Is the 95% UCL greater than the cleanup level?	Yes



Previous Step: Trend Screen

Previous Step: UCL Screen

Restart: Data Input Screen

APPENDIX G
EPA Groundwater Statistics Tool Evaluation of Metals
Concentration Trends

WELL MW-82

Dissolved Antimony

Groundwater Statistics Tool

Data input worksheet

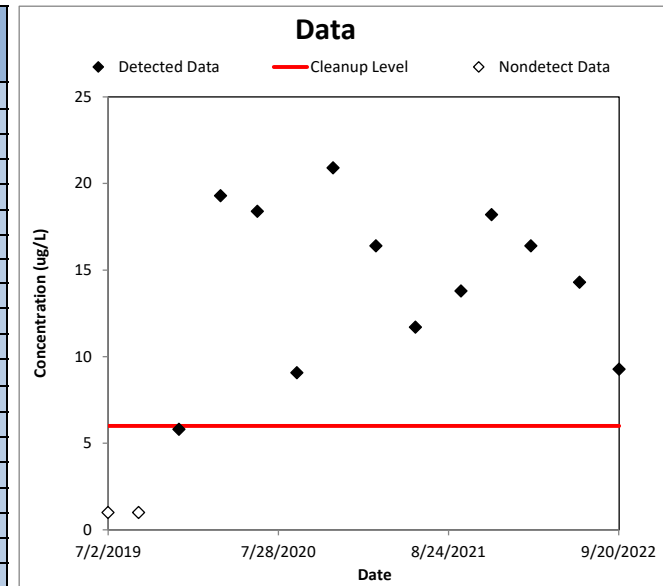
Site Name	Gunderson
Operable Unit (OU)	Area
Type of Evaluation	Attainment
Date of Evaluation	12/6/2022
Person performing analysis	JW

Chemical of Concern	Antimony (dissolved)
Well Name/Number	MW-82
Date Units	Date
Concentration Units	ug/L

Confidence Level Desired	95%
Cleanup Level	6
Source of cleanup level (e.g. MCL or risk-based concentration)	MCL
Risk of False Outlier Rejection	1%
Random Seed (may be left blank)	62311.42188
Significant figures to use	3

Number of data points:	14
Number of detected results:	12
Number of nondetect results:	2
Detection frequency:	86%

Date (Date)	Conc. (ug/L)	Data Qualifier	Detected? (Yes or No)
7/2/2019	1	u	No
9/10/2019	1	u	No
12/12/2019	5.81		Yes
3/17/2020	19.3		Yes
6/10/2020	18.4		Yes
9/9/2020	9.08		Yes
12/1/2020	20.9		Yes
3/10/2021	16.4		Yes
6/9/2021	11.7		Yes
9/22/2021	13.8		Yes
12/1/2021	18.2		Yes
3/2/2022	16.4		Yes
6/22/2022	14.3		Yes
9/21/2022	9.28		Yes



Data Review		Recommendations
Are all necessary data fields entered, and in proper format?	Yes	None
Are at least 4 data points present for statistical analysis?	Yes	None
Are at least 8 data points present for an attainment evaluation?	Yes	None
Are detection limits for nondetects ≤ maximum detected value?	Yes	None
Are all data within chart axis limits?	Yes	None
Select Axis Values and Press "Reset Axes" after entering data.		

Axis Values			
Time		Concentration	
Min	Max	Min	Max
Auto	Auto	Auto	Auto

Pressing the "Check for Outliers" button to the right will open a worksheet that shows the results of a Dixon's test for outliers.

Groundwater Statistics Tool

Trend test results for datasets with normally distributed residuals

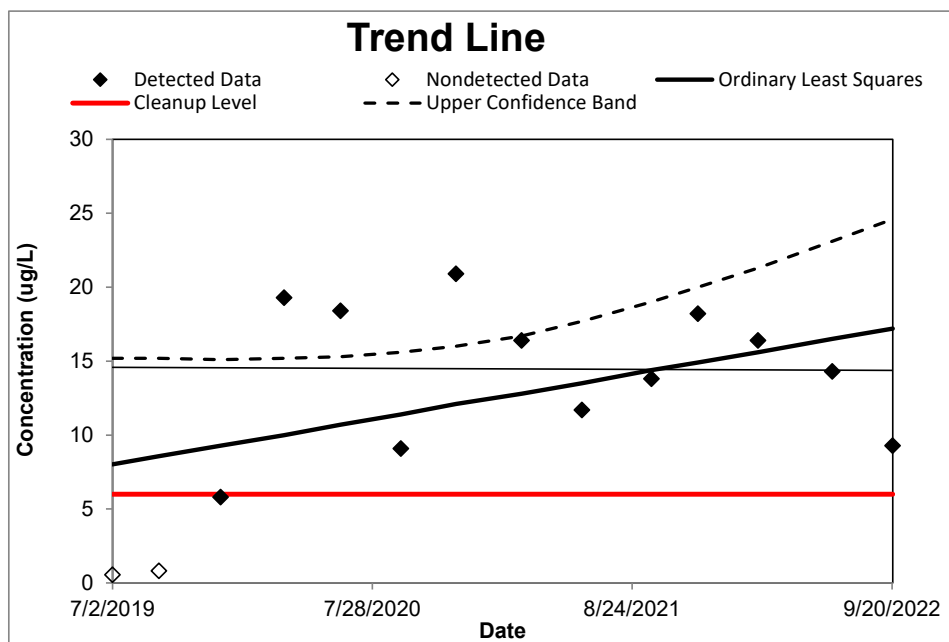
i	t (Date)	C (ug/L)	C Predicted	Fit residual	Upper Confidence Band
1	7/2/2019	0.559	8.02	-7.461	15.2
2	9/10/2019	0.824	8.57	-7.746	15.2
3	12/12/2019	5.81	9.29	-3.48	15.1
4	3/17/2020	19.3	10	9.3	15.2
5	6/10/2020	18.4	10.7	7.7	15.3
6	9/9/2020	9.08	11.4	-2.32	15.6
7	12/1/2020	20.9	12.1	8.8	16
8	3/10/2021	16.4	12.8	3.6	16.7
9	6/9/2021	11.7	13.5	-1.8	17.7
10	9/22/2021	13.8	14.4	-0.6	19
11	12/1/2021	18.2	14.9	3.3	20
12	3/2/2022	16.4	15.6	0.8	21.3
13	6/22/2022	14.3	16.5	-2.2	23.1
14	9/21/2022	9.28	17.2	-7.92	24.6
15					
16					
17					
18					
19					
20					

Select Axis Values and press "Reset Axes" to see future trends.

Axis Values			
Time		Concentration	
Min	Max	Min	Max
AUTO	AUTO	AUTO	AUTO

Reset Axes

Ordinary Least Squares	
Slope	0.00778
Intercept	-332
R ²	0.0002
Test result	No trend
Test statistic	1.741
Critical value	1.782
Trend type	Normal
When concentration is predicted to achieve the cleanup level	NA
When concentration is predicted to exceed the cleanup level	NA



Previous Step: Normality Screen

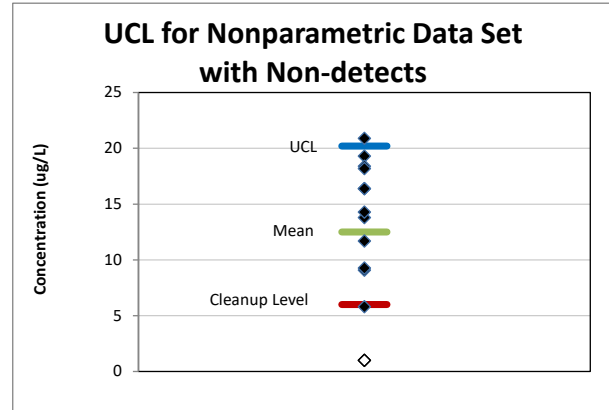
Next Step: UCL Screen

Groundwater Statistics Tool

UCL calculations data sets with non-detects

Confidence Level	95%
Cleanup level	6
Source of cleanup level	MCL
Number of results	14
Number of detected results	12
Number of non-detected results	2
Detection frequency	86%
Number at or below cleanup level	3
Are any potential outliers present?	No
Distribution type	Nonparametric
Method for calculating UCL	KM Chebyshev UCL

Mean of concentration	12.5
Standard deviation of concentration	6.28
95% Upper Confidence Limit (UCL)	20.2
Is the 95% UCL greater than the cleanup level?	Yes



Data, including imputed values

Date (Date)	(dissolved) Conc. (ug/L)	Data Qualifier	Imputed value*
7/2/2019	1	u	0.559
9/10/2019	1	u	0.824
12/12/2019	5.81		5.81
3/17/2020	19.3		19.3
6/10/2020	18.4		18.4
9/9/2020	9.08		9.08
12/1/2020	20.9		20.9
3/10/2021	16.4		16.4
6/9/2021	11.7		11.7
9/22/2021	13.8		13.8
12/1/2021	18.2		18.2
3/2/2022	16.4		16.4
6/22/2022	14.3		14.3
9/21/2022	9.28		9.28

Restart: Data Input Screen

Previous Step: Trend Screen

Next Step: Site & Summary Statistics

value for detected samples. This is for convenience in copying and pasting the data.

Random Seed Used	62311.42188
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Groundwater Statistics Tool

Site & Summary Statistics for Nonparametric Data Sets with Non-detects and Normal Residuals

General Information

Analyst	JW
Date of Evaluation	12/6/2022
Site Name	Gunderson
Operable Unit	Area
Type of Evaluation	Attainment
Well Name/Number	MW-82
Chemical of Concern	Antimony (dissolved)
Concentration Units	ug/L
Cleanup Level	6
Source of Cleanup Level	MCL
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	14
Outliers present?	No
Number of Non-Detects	2

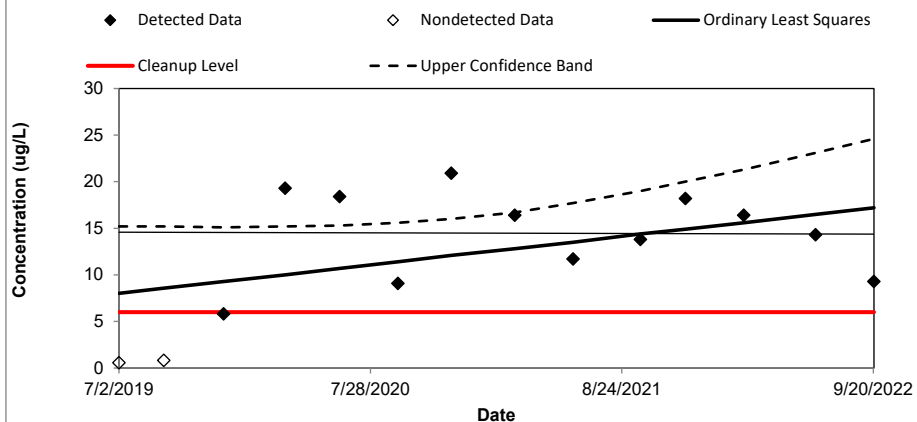
Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	0.00778
Intercept	-332
R ²	0.0002
Test Result	No trend
When concentration is predicted to achieve the cleanup level	NA
When concentration is predicted to exceed the cleanup level	NA

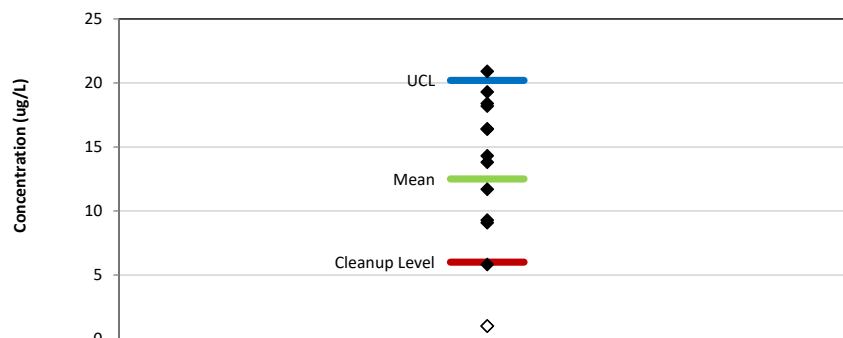
UCL Analysis

Distribution Type	Nonparametric
Test	KM Chebyshev UCL
Mean	12.5
95% UCL	20.2
Is the 95% UCL greater than the cleanup level?	Yes

Trend Line



UCL for Nonparametric Data Set With Non-detects



Previous Step: Trend Screen

Previous Step: UCL Screen

Restart: Data Input Screen

WELL MW-82
Dissolved Arsenic

Groundwater Statistics Tool

Data input worksheet

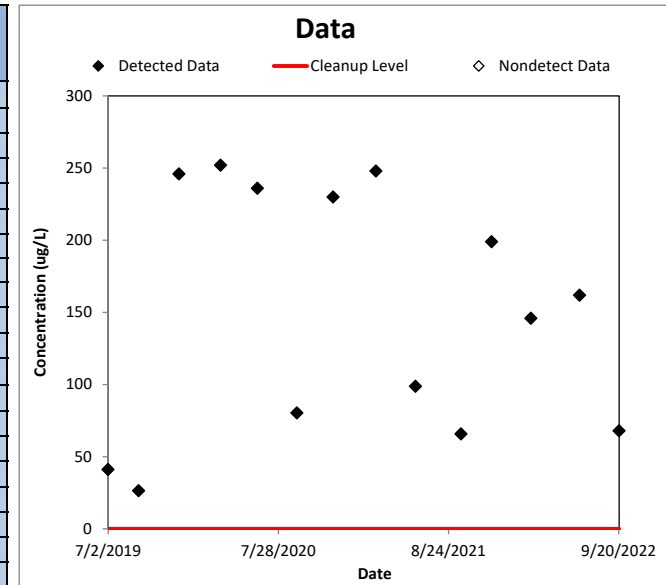
Site Name	Gunderson
Operable Unit (OU)	Area
Type of Evaluation	Attainment
Date of Evaluation	12/6/2022
Person performing analysis	JW

Chemical of Concern	Arsenic (dissolved)
Well Name/Number	MW-82
Date Units	Date
Concentration Units	ug/L

Confidence Level Desired	95%
Cleanup Level	0.018
Source of cleanup level (e.g. MCL or risk-based concentration)	MCL
Risk of False Outlier Rejection	1%
Random Seed (may be left blank)	62311.42188
Significant figures to use	3

Number of data points:	14
Number of detected results:	14
Number of nondetect results:	0
Detection frequency:	100%

Date (Date)	Conc. (ug/L)	Data Qualifier	Detected? (Yes or No)
7/2/2019	41.2		Yes
9/10/2019	26.4		Yes
12/12/2019	246		Yes
3/17/2020	252		Yes
6/10/2020	236		Yes
9/9/2020	80.4		Yes
12/1/2020	230		Yes
3/10/2021	248		Yes
6/9/2021	98.8		Yes
9/22/2021	65.8		Yes
12/1/2021	199		Yes
3/2/2022	146		Yes
6/22/2022	162		Yes
9/21/2022	67.9		Yes



Data Review		Recommendations	
Are all necessary data fields entered, and in proper format?	Yes	None	
Are at least 4 data points present for statistical analysis?	Yes	None	
Are at least 8 data points present for an attainment evaluation?	Yes	None	
Are detection limits for nondetects ≤ maximum detected value?	Yes	None	
Are all data within chart axis limits?	Yes	None	
Select Axis Values and Press "Reset Axes" after entering data.			

Axis Values			
Time		Concentration	
Min	Max	Min	Max
Auto	Auto	Auto	Auto

Pressing the "Check for Outliers" button to the right will open a worksheet that shows the results of a Dixon's test for outliers.

Groundwater Statistics Tool

Trend test results for datasets with normally distributed residuals

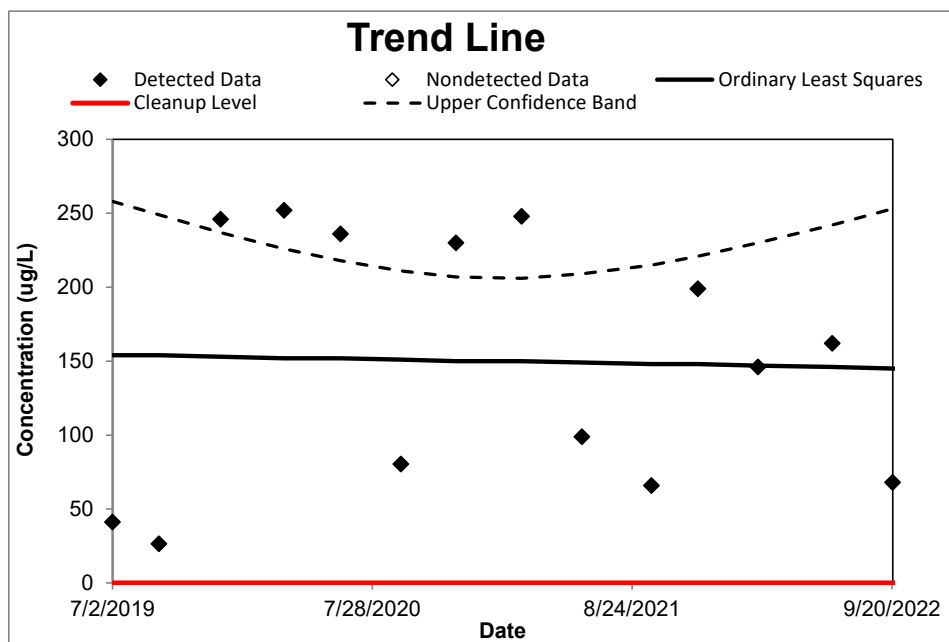
i	t (Date)	C (ug/L)	C Predicted	Fit residual	Upper Confidence Band
1	7/2/2019	41.2	154	-112.8	258
2	9/10/2019	26.4	154	-127.6	249
3	12/12/2019	246	153	93	237
4	3/17/2020	252	152	100	226
5	6/10/2020	236	152	84	218
6	9/9/2020	80.4	151	-70.6	211
7	12/1/2020	230	150	80	207
8	3/10/2021	248	150	98	206
9	6/9/2021	98.8	149	-50.2	209
10	9/22/2021	65.8	148	-82.2	215
11	12/1/2021	199	148	51	221
12	3/2/2022	146	147	-1	230
13	6/22/2022	162	146	16	242
14	9/21/2022	67.9	145	-77.1	253
15					
16					
17					
18					
19					
20					

Select Axis Values and press "Reset Axes" to see future trends.

Axis Values			
Time		Concentration	
Min	Max	Min	Max
AUTO	AUTO	AUTO	AUTO

Reset Axes

Ordinary Least Squares	
Slope	-0.00744
Intercept	479
R ²	0.0011
Test result	No trend
Test statistic	-0.115
Critical value	1.782
Trend type	Normal
When concentration is predicted to achieve the cleanup level	4/13/2076
When concentration is predicted to exceed the cleanup level	NA



Previous Step: Normality Screen

Next Step: UCL Screen

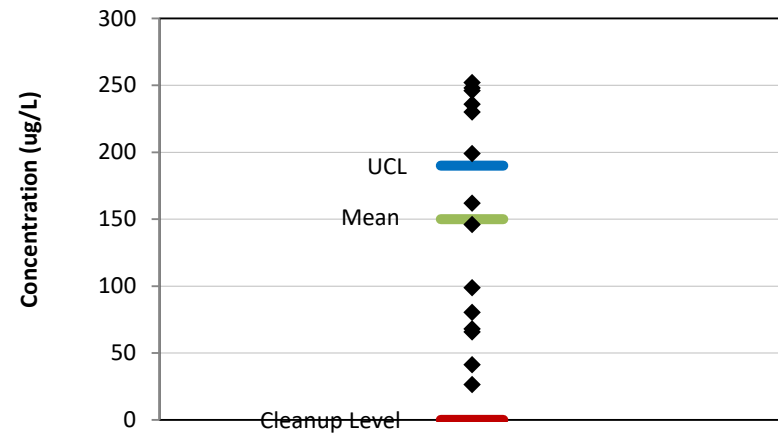
Groundwater Statistics Tool

UCL calculations for normal data sets

Confidence Level	95%
Cleanup level	0.018
Source of cleanup level	MCL
Number of results	14
Number < cleanup level	0
Number of non-detects present	0
Are any potential outliers present?	No
Distribution Type	Normal
Method for calculating UCL	Student's t UCL

Mean of concentration	150
Standard deviation of concentration	85
t-value for UCL calculation	1.771
95% Upper Confidence Limit (UCL)	190
Is the 95% UCL greater than the cleanup level?	Yes

UCL for Normal Data Set



Restart: Data Input Screen

Previous Step: Trend Screen

Next Step: Site & Summary Statistics

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

General Information

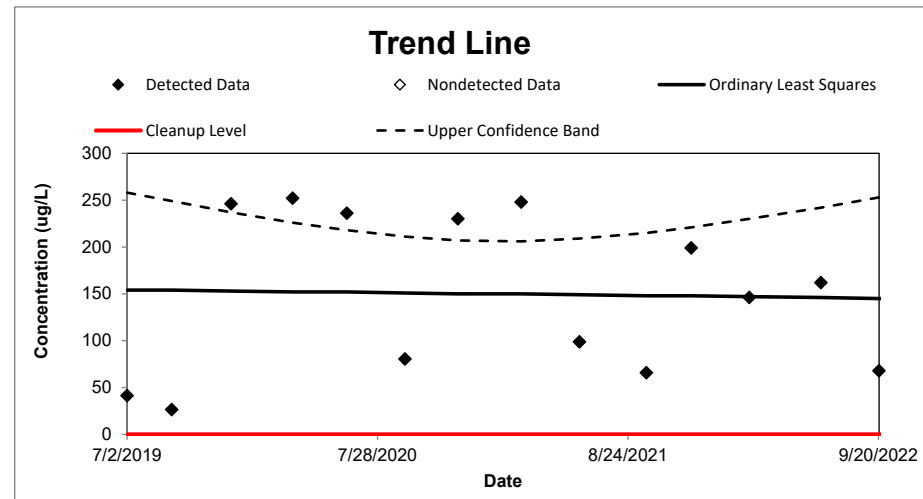
Analyst	JW
Date of Evaluation	12/6/2022
Site Name	Gunderson
Operable Unit	Area
Type of Evaluation	Attainment
Well Name/Number	MW-82
Chemical of Concern	Arsenic (dissolved)
Concentration Units	ug/L
Cleanup Level	0.018
Source of Cleanup Level	MCL
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	14
Outliers present?	No
Number of Non-Detects	0

Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	-0.00744
Intercept	479
R ²	0.0011
Test Result	No trend
When concentration is predicted to achieve the cleanup level	4/13/2076
When concentration is predicted to exceed the cleanup level	NA

UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	150
95% UCL	190
Is the 95% UCL greater than the cleanup level?	Yes



WELL MW-82

Dissolved Zinc

Groundwater Statistics Tool

Data input worksheet

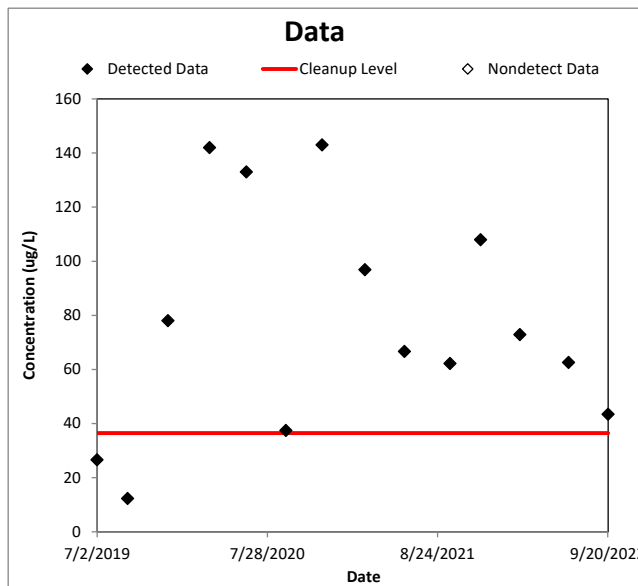
Site Name	Gunderson
Operable Unit (OU)	Area
Type of Evaluation	Attainment
Date of Evaluation	12/6/2022
Person performing analysis	JW

Chemical of Concern	Zinc (dissolved)
Well Name/Number	MW-82
Date Units	Date
Concentration Units	ug/L

Confidence Level Desired	95%
Cleanup Level	36.5
Source of cleanup level (e.g. MCL or risk-based concentration)	MCL
Risk of False Outlier Rejection	1%
Random Seed (may be left blank)	62311.42188
Significant figures to use	3

Number of data points:	14
Number of detected results:	14
Number of nondetect results:	0
Detection frequency:	100%

Date (Date)	Zinc (dissolved) Conc. (ug/L)	Data Qualifier	Detected? (Yes or No)
7/2/2019	26.6		Yes
9/10/2019	12.3		Yes
12/12/2019	78.1		Yes
3/17/2020	142		Yes
6/10/2020	133		Yes
9/9/2020	37.5		Yes
12/1/2020	143		Yes
3/10/2021	96.9		Yes
6/9/2021	66.7		Yes
9/22/2021	62.2		Yes
12/1/2021	108		Yes
3/2/2022	72.9		Yes
6/22/2022	62.6		Yes
9/21/2022	43.5		Yes



Data Review		Recommendations
Are all necessary data fields entered, and in proper format?	Yes	None
Are at least 4 data points present for statistical analysis?	Yes	None
Are at least 8 data points present for an attainment evaluation?	Yes	None
Are detection limits for nondetects ≤ maximum detected value?	Yes	None
Are all data within chart axis limits?	Yes	None
Select Axis Values and Press "Reset Axes" after entering data.		

Axis Values			
Time		Concentration	
Min	Max	Min	Max
Auto	Auto	Auto	Auto

Pressing the "Check for Outliers" button to the right will open a worksheet that shows the results of a Dixon's test for outliers.

Groundwater Statistics Tool

Trend test results for datasets with normally distributed residuals

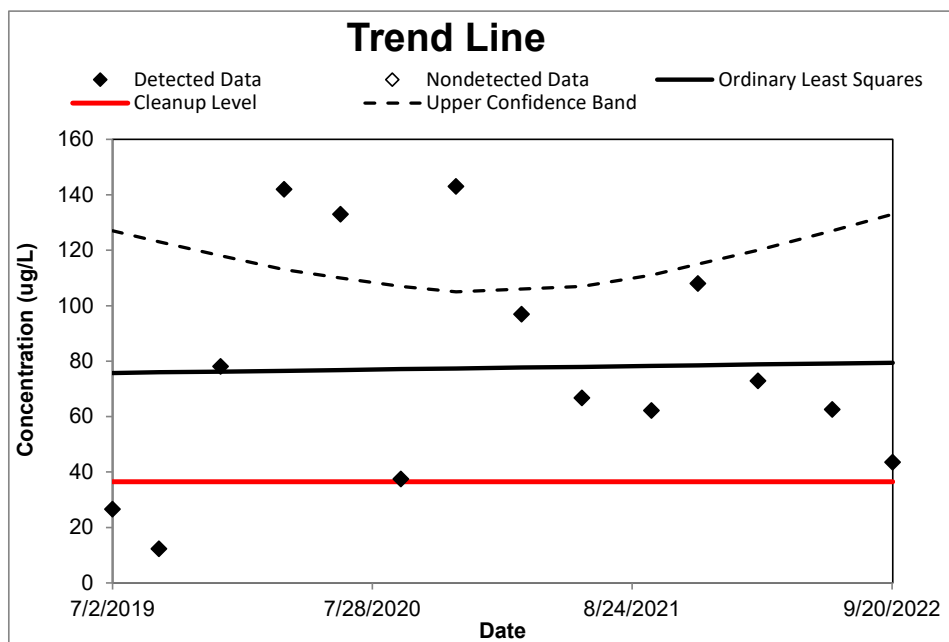
i	t (Date)	C (ug/L)	C Predicted	Fit residual	Upper Confidence Band
1	7/2/2019	26.6	75.7	-49.1	127
2	9/10/2019	12.3	76	-63.7	123
3	12/12/2019	78.1	76.2	1.9	118
4	3/17/2020	142	76.5	65.5	113
5	6/10/2020	133	76.8	56.2	110
6	9/9/2020	37.5	77.1	-39.6	107
7	12/1/2020	143	77.3	65.7	105
8	3/10/2021	96.9	77.7	19.2	106
9	6/9/2021	66.7	77.9	-11.2	107
10	9/22/2021	62.2	78.3	-16.1	111
11	12/1/2021	108	78.5	29.5	115
12	3/2/2022	72.9	78.8	-5.9	120
13	6/22/2022	62.6	79.1	-16.5	127
14	9/21/2022	43.5	79.4	-35.9	133
15					
16					
17					
18					
19					
20					

Select Axis Values and press "Reset Axes" to see future trends.

Axis Values			
Time		Concentration	
Min	Max	Min	Max
AUTO	AUTO	AUTO	AUTO

Reset Axes

Ordinary Least Squares	
Slope	0.00309
Intercept	-59.1
R ²	0.0008
Test result	No trend
Test statistic	0.097
Critical value	1.782
Trend type	Normal
When concentration is predicted to achieve the cleanup level	NA
When concentration is predicted to exceed the cleanup level	NA



Previous Step: Normality Screen

Next Step: UCL Sc

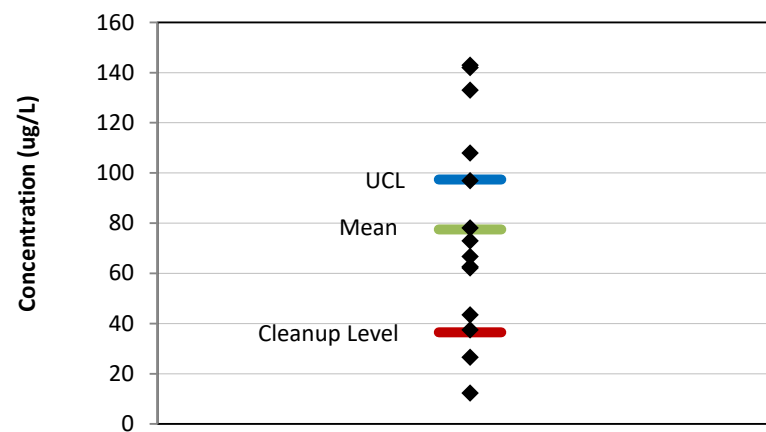
Groundwater Statistics Tool

UCL calculations for normal data sets

Confidence Level	95%
Cleanup level	36.5
Source of cleanup level	MCL
Number of results	14
Number < cleanup level	2
Number of non-detects present	0
Are any potential outliers present?	No
Distribution Type	Normal
Method for calculating UCL	Student's t UCL

Mean of concentration	77.5
Standard deviation of concentration	42.1
t-value for UCL calculation	1.771
95% Upper Confidence Limit (UCL)	97.4
Is the 95% UCL greater than the cleanup level?	Yes

UCL for Normal Data Set



Restart: Data Input Screen

Previous Step: Trend Screen

Next Step: Site & Summary

Groundwater Statistics Tool

Site & Summary Statistics for Normal Data Sets with Normal Residuals

General Information

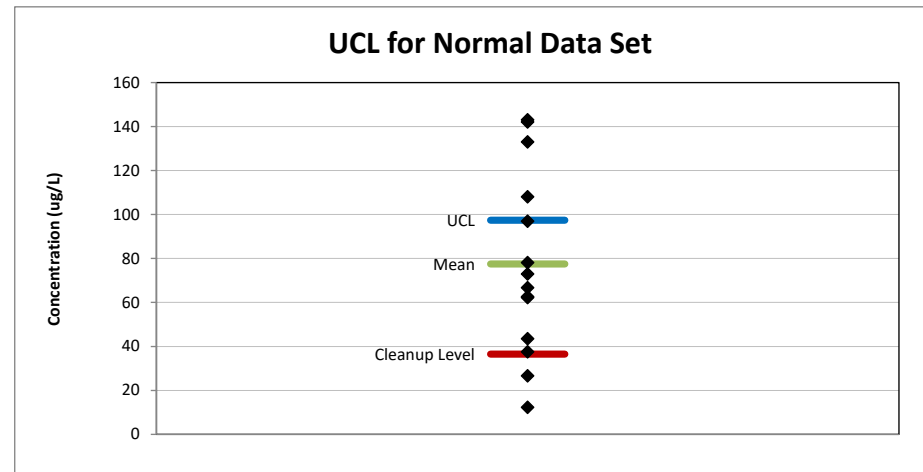
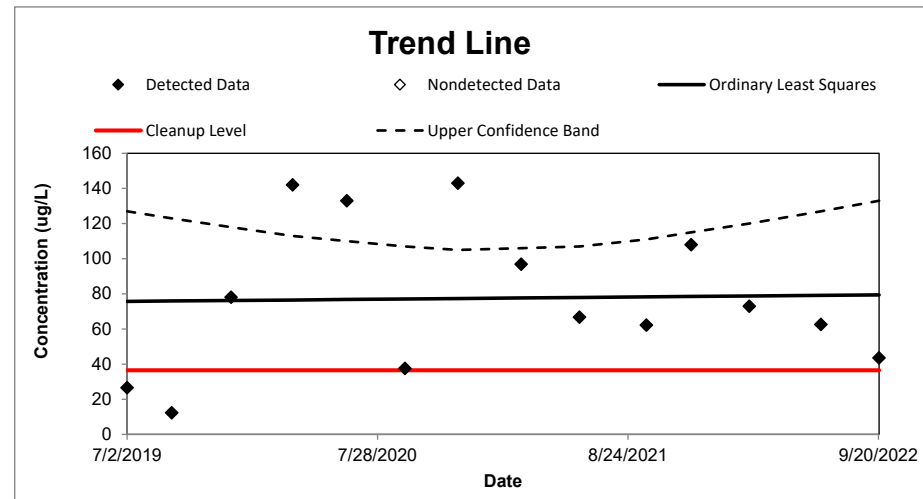
Analyst	JW
Date of Evaluation	12/6/2022
Site Name	Gunderson
Operable Unit	Area
Type of Evaluation	Attainment
Well Name/Number	MW-82
Chemical of Concern	Zinc (dissolved)
Concentration Units	ug/L
Cleanup Level	36.5
Source of Cleanup Level	MCL
Confidence Level	95%
Risk of False Outlier Rejection	1%
Number of Results	14
Outliers present?	No
Number of Non-Detects	0

Trend Analysis

Trend Type	Normal
Method	Ordinary Least Squares
Is the Upper Confidence Band above the cleanup level?	NA
Slope	0.00309
Intercept	-59.1
R ²	0.0008
Test Result	No trend
When concentration is predicted to achieve the cleanup level	NA
When concentration is predicted to exceed the cleanup level	NA

UCL Analysis

Distribution Type	Normal
Test	Student's t UCL
Mean	77.5
95% UCL	97.4
Is the 95% UCL greater than the cleanup level?	Yes



Previous Step: Trend Screen

Previous Step: UCL Screen

