

2023 Annual Monitoring Report

Island County Solid Waste Facility
20062 State Route 20
Coupeville, Washington

Island County Public Works
Solid Waste Division
1 NE 7th Street
Coupeville, Washington 98239
360-679-7338



SCS ENGINEERS

04223020.03 | February 16, 2024

2405 140th Avenue NE, Suite 107
Bellevue, WA 98005
425-746-4600

This 2023 Annual Monitoring Report for the Coupeville Solid Waste Facility located at 20062 State Route 20 in Coupeville, Washington, was prepared by Jovany Estrada and Daniel Venchiarutti, LHG and was reviewed by Greg Helland, LHG, of SCS Engineers.



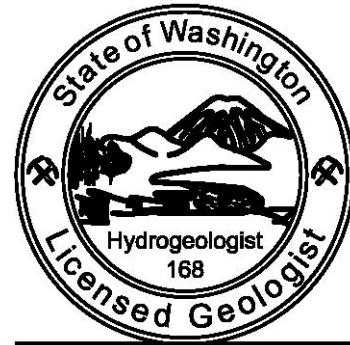
Jovany Estrada
Associate Staff Scientist
SCS ENGINEERS



Daniel A. Venchiarutti, LG, LHG
Project Director
SCS ENGINEERS



Gregory D. Helland, LG, LHG
Vice President/Project Director
SCS ENGINEERS



Daniel A. Venchiarutti

Table of Contents

Section	Page
1.0 INTRODUCTION	1
1.1 Report Contents.....	1
1.2 Summary of Results	2
1.2.1 Groundwater	2
1.2.2 Landfill Gas Probes	3
1.2.3 Contaminant Source Control Operations	3
2.0 BACKGROUND AND SITE DESCRIPTION.....	4
2.1 Location and Operational History	4
2.2 Topography and Climate	5
2.3 Local and Regional Hydrogeology	5
3.0 GROUNDWATER	6
3.1 Monitoring Activities.....	7
3.1.1 Water Level Measurements.....	7
3.1.2 Sample Collection and Analysis.....	7
3.2 Results	9
3.2.1 Groundwater Elevations.....	9
3.2.2 Water Quality	9
3.2.2.1 Field Parameters	10
3.2.2.2 General Chemistry.....	10
3.2.2.3 Metals	12
3.2.2.4 Volatile Organic Compounds	13
3.2.2.5 Groundwater Data QA/QC	14
3.2.3 Groundwater Quality Criteria Comparison	15
3.3 Evaluation of Groundwater Quality.....	16
3.3.1 Spatial Distribution.....	16
3.3.2 Temporal Trends.....	17
3.3.3 Groundwater Geochemistry	18
4.0 LANDFILL GAS.....	19
4.1 Compliance Monitoring Activities	19
4.1.1 Field Procedures.....	19
4.2 Results	20
4.2.1 Landfill Gas Probes	20
4.2.2 Structures – Scale House	20
4.3 Landfill Gas Evaluation	20
5.0 CONTAMINANT SOURCE CONTROL MEASURES.....	22
5.1 Operational Activities	22
5.1.1 Landfill Gas and Soil Vapor Extraction	22
5.1.1.1 Monitoring Activities.....	22
5.1.2 Stormwater Collection from the Waste Disposal Areas	23
5.2 Results	23

5.2.1	Landfill Gas Collection from In-Refuse and Native Soil Extraction Points	23
5.2.2	Stormwater Collection from the Waste Disposal Areas	23
5.3	Evaluation of Contaminant Source Control Operations	23
5.3.1	Landfill Gas Collection from In-Refuse and Native Soil Extraction Points	23
5.3.2	Stormwater Collection from Waste Disposal Areas.....	24
6.0	CONCLUSIONS	25

Exhibits

Exhibit 1.	CSWF Groundwater Monitoring Well Network (Installation Year)	6
Exhibit 2.	CSWF Groundwater Monitoring Schedule	7
Exhibit 3.	2023 Range of Field Parameters.....	10
Exhibit 4.	2023 Range of General Chemistry Parameters.....	11
Exhibit 5.	2023 Range of Total Metals Parameters	12
Exhibit 6.	2023 Range of Volatile Organic Compounds.....	14
Exhibit 7.	2023 Groundwater Exceedances	15
Exhibit 8.	Summary of Short-Term (2022-2023) Concentration Trends	17

Figures

Figure 1	Site Location Map
Figure 2	Groundwater Monitoring Well Network
Figure 3	Groundwater Elevation Time Series – Aquifer 1
Figure 4	Groundwater Elevation Time Series – Aquifer 2
Figure 5A	Aquifer 1 Groundwater Elevations – April 2023
Figure 5B	Aquifer 2 Groundwater Elevations – April 2023
Figure 6A	Aquifer 1 Groundwater Elevations – October 2023
Figure 6B	Aquifer 2 Groundwater Elevations – October 2023
Figure 7	Landfill Gas Probe Monitoring Network
Figure 8	Landfill Gas Extraction System
Figure 9	Soil Vapor Extraction System
Figure 10	Cross Section of Extraction System and MSW/CDL Landfills
Figure 11	Stormwater Pump Station Removal Volumes
Figure 12	Flow Rates and Removal Volumes for LFG and SVE Systems

Tables

Table 1A	Historical Groundwater Elevations – Aquifer 1
Table 1B	Historical Groundwater Elevations – Aquifer 2
Table 2A	Field Parameter, General Chemistry, and Inorganic Results – Aquifer 1
Table 2B	Field Parameter, General Chemistry, and Inorganic Results – Aquifer 2
Table 2C	Field Parameter, General Chemistry, and Inorganic Results – Water Supply Wells
Table 3A	Volatile Organic Compound Results – Aquifer 1
Table 3B	Volatile Organic Compound Results – Aquifer 2
Table 3C	Volatile Organic Compound Results – Water Supply Wells
Table 4	Volatile Organic Compound Detections in Groundwater
Table 5	Exceedances of WAC 173-200 Criteria and Federal MCLs
Table 6	Short and Long Term Statistics for Select Parameters in Groundwater
Table 7	Landfill Gas Monitoring Data - 2023
Table 8	Source Control Operations Data
Table 9	Soil Gas and Landfill Gas Removal Volumes
Table 10	LFG and SVE System Flow Rates

Appendices

Appendix A	2023 Field Documentation
Appendix B	2023 Analytical Data Validation and Laboratory Reports
Appendix C	2023 Groundwater Geochemical Evaluation
Appendix D	2023 Barometric Pressure Data

1.0 INTRODUCTION

This Annual Report provides a summary of the field and laboratory results for the 2023 post-closure environmental monitoring activities conducted at the Island County Coupeville Solid Waste Facility (CSWF) located at 20062 State Route 20 in Coupeville, Washington. Environmental monitoring activities completed over the 2023 reporting period included sampling and analysis of groundwater (monitoring wells and nearby water supply wells), monitoring of landfill gas (LFG) probes, and source control operations including stormwater collection and LFG well management. This work was conducted in accordance with the *CSWF Groundwater Sampling and Analysis/Quality Assurance Plan (SAP/QAP, version 1.1)* dated April 2018 and the *Landfill Gas Monitoring Plan* dated September 2002, modified in 2005 and 2008 (SCS Engineers).

Post-closure groundwater monitoring is performed at the CSWF, consistent with the requirements of WAC 173-304. In 2017, the CSWF proposed a groundwater monitoring optimization program intended to enhance the effectiveness of the sampling regime. The updated monitoring program provides for quarterly water quality sampling at 11 CSWF groundwater wells. An additional 16 monitoring wells are also sampled on a semi-annual basis (during the second and fourth quarter events). The updated program is documented in the 2018 CSWF SAP/QAP (revision 1.1).

Due to administrative constraints, Island County suspended CSWF compliance monitoring for the first quarter 2023. Over the remaining compliance year, 27 groundwater wells were monitored the second and fourth quarters of 2023, while 11 groundwater wells were monitored during the third quarter event. The environmental monitoring and sampling activities during 2023 were performed by SCS Engineers and SCS Field Services.

1.1 REPORT CONTENTS

The 2023 Annual Monitoring Report includes and describes:

- Background and site description (including figures of site location and facility layout).
- A summary of the 2023 monitoring effort.
- Measurement of groundwater levels at the sampled monitoring wells.
- LFG monitoring at
 - 10 subsurface perimeter probe locations (44 points) and
 - 2 probe locations within onsite buildings (two points within the scale house/office).
- Groundwater field measurements and sample collection for monitoring and water supply wells.
- An evaluation and summary of the 2023 groundwater elevation/flow direction, field monitoring, and analytical data.
- A summary of the 2023 LFG monitoring results.
- A summary of the contaminant source control operation results.
- A comparison and summary of 2023 analytical data to regulatory criteria.
- A geochemical evaluation of recent (2023) groundwater conditions.

- A summary of historical (previous 5 years) groundwater elevation, field monitoring, and analytical data.
- Groundwater hydrographs.
- Times series graphs for select analytes.
- Short and long term groundwater statistics.
- Documentation of field monitoring and sampling activities from 2023.
- A summary of analytical data validation and analytical laboratory data reports.
- Recommendations developed from the evaluation of site conditions.

1.2 SUMMARY OF RESULTS

1.2.1 Groundwater

Groundwater monitoring results reported for the CSWF over the 2023 compliance year remain generally consistent with those previously observed at the site. Water quality within or immediately adjacent to the closed waste disposal areas continues to be influenced by detectable concentrations of several volatile organic compounds (VOCs, primarily vinyl chloride), as well as certain inorganic compounds, general chemistry parameters, and field parameters. However, natural attenuation of the groundwater contamination observed at the CSWF continues, with reduced concentrations of the primary landfill contaminants in monitoring wells situated 400 to 750 feet downgradient of the disposal areas.

Vinyl chloride is the most notable site contaminant at the CSWF, with groundwater exceedances being historically reported as far downgradient as monitoring wells E4S/E4D (approximately 400 feet northeast from the landfill edge). However, during recent years vinyl chloride has typically been absent in the CSWF wells situated beyond the immediate vicinity of the landfill. Groundwater samples collected from Aquifer 2 “sentinel” wells E9D and E10D, situated hydrologically downgradient of the observed vinyl chloride plume, have never reported detectable levels of VOCs (with the exception of three suspected laboratory artifact results that were reported during the First Quarter 2021 monitoring event). Overall, the 2023 monitoring results continue to corroborate the findings of past groundwater assessment and modeling efforts which concluded that VOCs originating from the CSWF disposal cells are naturally attenuating beneath the facility, and that vinyl chloride has not, and will not in the future, migrate beyond County property.

Groundwater quality criteria for specific conductivity, total dissolved solids, total nitrate/nitrite, arsenic, iron, manganese and vinyl chloride were exceeded in one or more wells during 2023. The WAC 173-200 groundwater criteria for vinyl chloride was exceeded in four Aquifer 1 monitoring wells (E1D, E2S, E6D and N2S) and two Aquifer 2 well (E2D and E6D) during the reporting year. These results are consistent with past monitoring at the facility. However, it is notable that vinyl chloride was not detected in near-refuse well E7D during the reporting year.

Landfill closure and source control activities continue to influence most temporal trends in chemical concentrations (both long term and short term, as identified by the statistical summaries and time series plots). Observed trends generally indicate that concentrations of the primary groundwater contaminants of concern (iron, manganese and vinyl chloride) are stabilized or have been gradually decreasing over the past several years. An increasing short term concentration trend was observed for specific conductivity in Aquifer 2 well E6D. However, as illustrated on the time-series graphs

provided in Appendix C, this short term increasing trend does not represent a large concentration change.

Groundwater elevations at the site have been stable or gradually increasing over the past five years. The groundwater flow directions within Aquifer 1 and Aquifer 2 remain consistently towards the east-northeast and north-northeast, respectively. The average groundwater flow velocity over 2023 in Aquifer 1 was estimated to be higher (1.21 ft/day) than that calculated for Aquifer 2 (0.112 ft/day).

1.2.2 Landfill Gas Probes

LFG monitoring was conducted at approximately 45-day intervals between April and December 2023. LFG probe monitoring results continue to indicate that LFG (represented by combined methane and carbon dioxide) remains present in the soils surrounding the landfill. Similar to past compliance years, carbon dioxide was the predominant component of LFG detected over the 2023 compliance period. Depressed oxygen levels (less than ambient concentrations) were also reported in most of the gas probes during the year. Depressed oxygen is associated with the displacement of air by LFG.

LFG regulatory requirements only apply to the methane component due to its explosive and flammable nature. Throughout the 2023 monitoring period, the CSWF remained in compliance with the regulatory threshold limits for methane in soils at the property boundary (less than 5 percent by volume) and inside of onsite structures (less than 1.25 percent by volume).

1.2.3 Contaminant Source Control Operations

Engineering controls aimed at reducing the source of contaminants to groundwater were implemented at the CSWF in 2005. These controls included stormwater collection from an upgraded drainage system at the interface of the municipal solid waste (MSW) and construction, demolition and land-clearing (CDL) debris fill areas. The stormwater drainage and collection system was designed to reduce infiltration into the CDL wastes and limit the potential production of leachate. The engineering controls also included an enhanced LFG control system featuring improved gas extraction from the refuse mass by adding vertical extraction wells, and the addition of a soil vapor extraction (SVE) system to recover LFG from the vadose zone surrounding the landfill.

A total of 11,833 gallons of stormwater runoff from the closed MSW landfill and CDL landfill covers was pumped from the collection system sump near monitoring well C1S during 2023 and discharged to the infiltration pond west of the disposal areas. Cumulatively, a total of 322,343 gallons of stormwater have been diverted from this area since the fall of 2005. This stormwater previously infiltrated into the subsurface near the CDL disposal area and may have contributed to leachate generation from the CDL waste.

Between November 22, 2005 and December 27, 2023, the LFG extraction system operated an average of 4.90 hours per day and the SVE system operated an average of 9.50 hours per day. These operational times are managed to balance extraction rates with the gas generation rate. The existing LFG extraction system operations continue to remain effective for controlling LFG generated within the refuse mass, thereby providing source control of LFG migration to the vadose zone. Similarly, the SVE system appears to be successful in extracting LFG from the surrounding vadose zone, thereby providing an additional measure of source control for potential groundwater contaminants.

2.0 BACKGROUND AND SITE DESCRIPTION

Detailed information regarding the site layout and history as well as the hydrogeologic setting may be found in the *Preliminary Hydrogeologic Study and Engineering Evaluation*, prepared by SCS Engineers (January, 2002), as well as the *Conceptual Model Summary Technical Memorandum*, also prepared by SCS Engineers (January, 2004). The following provides a summary of this information.

2.1 LOCATION AND OPERATIONAL HISTORY

The CSWF is located at 20062 SR-20, approximately 1.5 miles east of Coupeville, on Whidbey Island, Washington (Figure 1). The landfill-related features of the CSWF include two closed MSW disposal areas and one closed CDL debris disposal area. These waste disposal areas are referred to as follows:

- City MSW Landfill (1946 - 1977)
- County MSW Landfill (1971 - 1992)
- County CDL Landfill (1992 - 2002)

The City MSW Landfill was operated (by the Town of Coupeville) as a burning dump from 1946 to 1969 and as a landfill from 1969 to 1977. It occupies approximately 3 acres on the west side of the property. The depth of waste is estimated to be 10 to 20 feet deep based on typical waste disposal practices from that time period. Waste disposal quantities for the City MSW Landfill are not available. The City MSW Landfill has no liner system and the cover system consists of native soils with grass vegetation.

The County MSW Landfill operated from 1971 to 1992. It occupies approximately 11 acres on the south side of the property. The depth of waste is estimated to be 20 feet deep on the west half of the fill area and approximately 50 feet deep on the east half based on historical waste disposal practices and the preceding mining (quarry) activities. The County MSW Landfill has no bottom liner system. The cover system for the County MSW Landfill consists of the following from top to bottom: grass vegetation, 6 inches of topsoil, 18 inches of drainage sand, composite 8 oz/yd² non-woven geotextile / 250 mil HDPE drainage net / 8 oz/yd² non-woven geotextile, 60 mil HDPE textured geomembrane, and 18 inches of foundation sand.

The County CDL Landfill operated from 1992 to 2002. It occupies approximately 4 acres immediately adjacent to the north side of the County MSW Landfill. A portion of the County CDL Landfill overlaps the north side of the County MSW Landfill. Waste is estimated to be up to 40 feet deep based on historical filling activities. The County CDL Landfill has no liner system and has a soil cover consisting of 12 inches of native soil (installed in 2002) and 12 inches of soil with high clay content (installed in 2004). The CDL Landfill accepted inert materials including uncontaminated soils, brick, concrete, sand, and glass, as well as other construction and land clearing debris, including some organic materials such as wood. Past inspections by Island County Public Health (ICPH) suggested that small quantities of unacceptable materials may have been disposed of at the CDL Landfill.

The CSWF also includes an asbestos landfill situated in the north-central portion of the disposal area. In addition to landfilling, other features of the CSWF include a transfer station, a moderate risk waste handling station, a recycling collection area, a septage biosolids treatment plant, and various county storage facilities. During 2018, an extensive expansion of the CSWF biosolids treatment facility was completed. All of the CSWF facilities are situated on approximately 90 acres of land

owned by the County. A site plan illustrating the general layout of the facility is presented on Figure 2.

2.2 TOPOGRAPHY AND CLIMATE

The site is situated on a wooded terrace, approximately one mile south of Penn Cove. Although the ground surface comprising the developed areas of the property remains level, the site lies in the vicinity of several large glacial kettle depressions. The elevation of the facility is approximately 200 feet above mean sea level.

Site climate is characterized by cool, moist winters and dry, warm summers which are characteristic of the Puget Sound Lowlands. Temperature extremes are moderate due to maritime influences from the adjacent Puget Sound, Strait of Juan de Fuca, and nearby Pacific Ocean. Precipitation is typically less than most areas in the Puget Sound region due to the site's location relative to the leeward side of the Olympic Mountains, which generate a rain shadow effect. The site receives an average annual rainfall of just over 21 inches, according to historical records.

2.3 LOCAL AND REGIONAL HYDROGEOLOGY

The Preliminary Hydrogeologic Study and Engineering Evaluation completed by SCS (January, 2002) identified two primary water-bearing zones and two confining (or semi-confining) layers beneath the CSWF. Regionally, groundwater flow in the upper aquifer (Aquifer 1) is reported to generally trend toward the east-northeast. Groundwater in the underlying aquifer (Aquifer 2) appears to flow in a more north-northeasterly direction. South of the site, the regional groundwater flow direction has a southeasterly component. Groundwater flow beneath the site likely has a vertical component, with water moving from shallowest to deepest zones across the semi-confining layers. The difference in hydraulic head between the upper and lower aquifers beneath the site is reported to be approximately 12 feet.

3.0 GROUNDWATER

Quarterly groundwater monitoring at the Island County Solid Waste Facility commenced in 1985. Groundwater monitoring has included both monitoring wells (constructed specifically for groundwater monitoring) and nearby small-scale water supply (pumping) wells. Since its inception, the monitoring program has evolved to include both onsite and off-site well locations, as well as an expanded parameter suite. As previously noted, an optimized groundwater monitoring program was implemented at the CSWF during the first quarter 2018. Groundwater monitoring wells on the CSWF property are outfitted with dedicated low-flow sampling pumps.

The current groundwater monitoring network includes ten locations with paired shallow and deep monitoring wells, 11 single completion monitoring wells (three shallow, eight deep), and five water supply wells. Well W1D remains in the groundwater monitoring network, but paired shallow monitoring well (W1S) is not currently being monitored due to an insufficient amount of water in the well for sampling. Replacement well N1SR also remains in the groundwater monitoring network, although this well appears to be completed in a perched zone which may not be hydraulically connected (at least directly) with the groundwater monitored by other wells at the site. A summary of the CSWF Aquifer 1, Aquifer 2 and pumping wells (and their installation dates) is provided in the exhibit below. The locations of the wells within the monitoring network are also illustrated on Figure 2.

Exhibit 1. CSWF Groundwater Monitoring Well Network (Installation Year)

Aquifer 1 Wells	Aquifer 2 Wells	Pumping Wells
C1S (2002)	E2D (1997)	DNR (1964)
E1D (1997)	E3D (2001)	WRI (1976)
E1S (1997)	E4D (2008)	S7 (1979)
E2S (1997)	E5D (2013)	DOT (1981)
E4S (2008)	E6D (2013)	STP (1993)
N1SR (2005)	E7D (2013)	
N2S (1997)	E8D (2013)	
N3S (1997)	E9D (2016)	
NE1S (2002)	E10D (2016)	
S10S (2003)	N1D (1997)	
S11S (2003)	N2D (1997)	
SE1D (2003)	N3D (1997)	
SE1S (2002)	N5D (2002)	
	N5S (2002)	
	NE1D (2002)	
	S11D (2003)	
	W1D (1997)	
	W2S (2002)	

A summary of the Aquifer 1, Aquifer 2 and water supply wells groundwater monitoring schedule is provided in Exhibit 2. Water quality monitoring at the CSWF is performed on a quarterly basis at nine (9) Aquifer 2 groundwater wells and two (2) water supply wells. Two of these Aquifer 2 wells (E2D and E4D) are only sampled for VOCs during the first and third quarter events. An additional, nine (9) Aquifer 1 wells, six (6) Aquifer 2 wells, and one water supply well are monitored semi-annually (during the second and fourth quarters). One Aquifer 1 well (E1S) is only sampled for nitrates during these semi-annual events. As previously noted, compliance monitoring was not performed at the CSWF

during the first quarter 2023 due to County administrative constraints. Over 2023 compliance period, groundwater monitoring was performed by SCS Engineers in April, July, and October.

Exhibit 2. CSWF Groundwater Monitoring Schedule

Monitoring Frequency	Groundwater Monitoring Wells		Water Supply Wells
	Aquifer 1 Wells	Aquifer 2 Wells	
Quarterly Event ¹		E2D* E4D* E5D E6D E7D E8D E9D E10D N2D	DNR WRI
Semi-Annual Event (Additional wells sampled during the Second & Fourth Quarters)	E1D E1S** E2S E4S N2S N3S NE1S S10S S11S	E3D N1D N3D N5D NE1D S11D	DOT

* Wells E2D and E4D are only sampled for VOCs during the first and third quarter events.

** Well E1S is only sampled for nitrates.

¹ Monitoring activities were not performed during the first quarter of 2023.

3.1 MONITORING ACTIVITIES

3.1.1 Water Level Measurements

As part of the routine groundwater monitoring program, static water levels at each well location were initially measured and recorded prior to initializing any well purging or groundwater collection procedures. Depth-to-water measurements (measured to the nearest 0.01 ft.) were obtained using an electronic water level indicator. Measurement results were recorded on field sampling logs and the resulting data were subsequently used to calculate groundwater elevations for each well location.

As part of the second (April) and fourth (October) quarter events, static water levels measured at all the water quality wells monitored were used for the semi-annual determination of groundwater flow characteristics.

3.1.2 Sample Collection and Analysis

Groundwater samples were collected during the quarterly events from the monitoring locations depicted on Figure 2. The groundwater monitoring wells were sampled using the low-flow sampling procedure outlined in the SAP/QAP. Each monitoring well is outfitted with a dedicated bladder pump. Purging was completed at flow rates of less than 500 milliliters per min (ml/min) until

indicator parameters (pH, temperature, specific conductance, turbidity and dissolved oxygen) stabilized according to the criteria stated in the SAP/QAP. Indicator parameters (except turbidity) were measured with a closed in-line flow-through cell to prevent atmospheric influences. Turbidity measurements were taken using a field-portable turbidity meter. After parameter stabilization, the flow-through cell was disconnected. Samples were collected by filling laboratory-prepared sample bottles directly from the pump discharge line (to prevent cross-contamination). Specific sampling procedures are outlined in the SAP/QAP.

Water supply well samples were obtained from the sampling taps situated at each wellhead's surface outlet immediately before the pressure tank and other appurtenances. The tap was allowed to discharge until the pump came on (verifying that the water being sampled came from the well and not a storage or pressure tank) and indicator parameters were allowed to stabilize according to the same criteria used for monitoring well sampling. After indicator parameters stabilized, the flow splitter was removed and samples were collected directly from the sampling tap at flow rates of approximately 500 mL/min. Specific sampling procedures are outlined in the SAP/QAP.

The objective of purging a water supply well is the same as with a monitoring well: to ultimately collect a sample representative of the groundwater in the aquifer rather than water in the well (or plumbing system). However, it should be recognized that data obtained from water supply wells may not be directly comparable to that obtained from the monitoring wells due to the differences in well construction and sampling method. Concentration averaging is also likely to occur from differences in the screen length and pumping rate for the water supply wells. The purpose of this sampling is simply to assess the quality of water at the water supply wells to verify usability of the water. In addition, a water flow meter was installed at non-potable water supply well DOT so that its water production could be recorded each time the location was sampled.

Groundwater samples were packed in coolers containing ice, stored, and transported under chain-of-custody protocols to Eurofins Laboratories (Eurofins) in Fife, Washington. Laboratory analytical data results were delivered to SCS Engineers in electronic formats.

The SAP/QAP calls for analyses including:

- Total dissolved solids by SM 2540C
- Chemical oxygen demand (COD) by SM 5220C
- Total organic carbon (TOC) by SM5310B
- Total alkalinity and bicarbonate alkalinity by SM 2320B
- Anions (sulfate and chloride) by method 300.0
- Total nitrate/nitrite and ammonia by methods 300/353.2/350.1
- Metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, nickel, selenium, silver, thallium, vanadium, zinc, manganese, and lead by method 6020A; iron, calcium, magnesium, potassium and sodium by method 6010B
- Volatile organic compounds (VOCs) by method 8260B/8260SIM (or equivalent)

The SAP/QAP also calls for field Quality Assurance/Quality Control (QA/QC) samples, including collection of one duplicate sample and VOC trip blanks during each quarter.

3.2 RESULTS

3.2.1 Groundwater Elevations

Groundwater elevations in the Aquifer 1 (shallow aquifer) during 2023 ranged between 64.47 (NE1S in October) to 85.48 (W1S in April) feet above mean sea level (msl). Aquifer 2 (deep aquifer) groundwater elevations recorded over the same period ranged from 48.80 (E10D in July) to 60.78 (S11D in October) feet above msl. Groundwater elevations at the CSWF do not appear to show strong seasonal fluctuations in response to changes in precipitation recharge. Depth-to-water measurements and calculated groundwater level elevations from the routinely monitored CSWF wells completed in Aquifer 1 and Aquifer 2 are presented in Tables 1A and 1B, respectively. Hydrographs of the CSWF groundwater elevations are provided for Aquifer 1 and Aquifer 2 on Figures 3 and 4, respectively.

As illustrated on Figures 3 and 4, groundwater elevations at the CSWF appear to be gradually rising in most of the Aquifer 1 and Aquifer 2 wells over the past five years. Barring a few anomalous elevation values (likely due to inaccurate field measurement), the majority of the observed 5-year increasing elevation trends remain within a 0.5 to 2.0 foot range depending on well location.

Groundwater surface elevation maps were prepared (refer to Figures 5A/B and 6A/B) for Aquifer 1 and Aquifer 2. These figures display the potentiometric surfaces and groundwater flow directions observed during April and October 2023. Little change was noted in groundwater flow direction over the course of the 2023 compliance period.

The groundwater elevation surface maps for Aquifer 1 (Figures 5A and 6A) depict a generally easterly flow direction. The average hydraulic gradient for Aquifer 1 was generally consistent throughout the reporting year. The calculated gradients for Aquifer 1 during April and October 2023 averaged 0.01374 feet/foot. Assuming an effective porosity of 25 percent and an average hydraulic conductivity of 22.0 feet/day (as determined from grain size analysis of the sandy soils found in the screened intervals of wells NE1S, S10S, and SE1S), the groundwater flow velocity calculated for Aquifer 1 during 2023 averaged 1.21 feet/day.

The groundwater elevation surface maps for Aquifer 2 (Figures 5B and 6B) depict a flow direction to the north-northeast. Hydraulic gradients calculated for Aquifer 2 during April and October 2023 averaged 0.0039 feet/foot. Assuming an effective porosity of 33 percent and an average hydraulic conductivity of 9.40 feet/day (determined from grain size analysis of the sandy soils found in the screened intervals of landfill wells NE1D, N5D, and S11D), the average groundwater flow velocity during 2023 in Aquifer 2 was calculated to be 0.112 feet/day.

Water supply well water levels were not measured and are not reported because water levels cannot be guaranteed to be representative of static conditions (due to unknown pumping schedules). The water meter installed at pumping well DOT indicated that 301 gallons of non-potable water (reportedly used for road application or fire fighting) had been pumped from this well between October 2022 and October 2023.

3.2.2 Water Quality

Measurement of field parameters and results from laboratory analyses for general chemistry and metals for 2023 are presented in Tables 2A through 2C. Results from laboratory analyses for VOCs

are presented in Tables 3A through 3C. A summary of VOC detections is also provided in Table 4. Field documentation for the 2023 groundwater monitoring events is presented in Appendix A.

3.2.2.1 Field Parameters

Field parameters were recorded during the monitoring events and documented on field forms (included in Appendix A). A summary of field parameter results for Aquifer 1, Aquifer 2 and the water supply wells is provided by Tables 2A, 2B and 2C, respectively. The range of monitored field parameters recorded at the CSWF over the reporting year is presented below in Exhibit 3, along with a brief assessment of these 2023 results.

Exhibit 3. 2023 Range of Field Parameters

Field Parameter	Range of Measurements	Notes
Dissolved Oxygen (DO)	0.19 to 12.38 mg/L	Anaerobic conditions continue to be observed in the majority of CSWF wells, and at similar ranges as reported during past monitoring years. Aquifer 2 reported the greatest range in DO, ranging between 0.69 to 12.38 mg/L. Several of the July DO results were in excess of 9.0 mg/L, and are suspected instrument artifacts. Water supply wells generally reported <6 mg/L DO levels.
Oxidation-Reduction Potential (ORP)	-175 to 349 mV	ORP values varied widely across the site in Aquifer 1, Aquifer 2 and the water supply wells. Negative ORP levels appear to be more prevalent at downgradient and cross-gradient well locations.
pH	2.30 to 8.17 SU	pH values were similar those reported in past monitoring years with the majority of Aquifer 1, Aquifer 2 and the water supply samples reporting levels between 6.5 to 7.8 standard units (SU). An anomalous pH measurement (2.3 SU) recorded at N5D during April is suspected to represent a faulty measurement.
Specific Conductance (SC)	282 to 1,677 μ S/cm	Aquifer 1 and Aquifer 2 wells reported similar range of SC measurements (between 880 to 1,677 μ S/cm and 282 to 1,655 μ S/cm, respectively). Water supply wells reported a narrower SC range between 301 to 891 μ S/cm. Higher SC typically occurred in the near refuse wells.
Temperature	9.6 to 15.6 $^{\circ}$ C	Varies seasonally at all well locations, and appears to largely represent ambient air temperatures during sample collection.
Turbidity	0.3 to 139 NTU	Generally low across the site (0.3 to 11 NTU). Elevated measurements have been reported for Aquifer 1 well E1D (139.3 and 33.15) since the installment of a new pump in Q2.

Field parameters recorded over the 2023 reporting year remained within the typical ranges, similar to those reported in previous monitoring years.

3.2.2.2 General Chemistry

The general chemistry analytical results for the 2023 monitoring period are also summarized in Tables 2A through 2C. The range of monitored general chemistry parameters recorded at the CSWF over the reporting year is presented below in Exhibit 4, along with a brief assessment of the 2023 results.

Exhibit 4. 2023 Range of General Chemistry Parameters

Parameter	Range of Measurements	Notes
Total Alkalinity	58 to 760 mg/L	Total Alkalinity at the CSWF is principally composed of bicarbonate (HCO_3). Aquifer 1 alkalinity ranged from 250 to 670 mg/L, while Aquifer 2 alkalinity ranged from 58 to 760 mg/L. Water supply wells reported a narrower alkalinity range of 290 to 370 mg/L. The highest values were observed in E1D and E5D.
Ammonia	ND to 0.29 mg/L	Ammonia was not reported in any of the Aquifer 1 wells during the 2023 compliance year. This parameter was sporadically detected at low concentrations in several Aquifer 2 wells and water supply wells DOT and WR-1. The highest result was reported in WR1 during April.
Calcium	21 to 190 mg/L	A similar range of calcium detections were observed in the Aquifer 1 and Aquifer 2 wells, while the water supply wells reported generally lower (65 to 89 mg/L) calcium results. Higher concentrations were generally observed in Aquifer 1 (E1D, E2S, N4S and E4S) and Aquifer 2 (E2D and E5D) wells proximal to the waste cells.
Chemical Oxygen Demand (COD)	ND to 21 mg/L	COD was detected twice at wells E7D and DOT with detections at 11 mg/L and 21 mg/L, respectively.
Chloride	3 to 120 mg/L	A slightly higher range of chloride results were reported in the Aquifer 2 wells compared to the Aquifer 1 and water supply wells. The 250 mg/L groundwater quality criterion for chloride was not exceeded during the 2023 compliance year.
Fluoride	ND to 0.22 mg/L	Low fluoride levels were sporadically detected in three Aquifer 1 wells (N2S, N3S and S11S) and two Aquifer 2 wells (E10D and S11D)
Magnesium	3 to 110 mg/L	Higher concentrations were generally observed in wells situated near refuse, including Aquifer 1 well E1D and Aquifer 2 wells E2D, N5D and N1D. The water supply wells reported a smaller range of magnesium detections ranging between 44 to 53 mg/L.
Potassium	3.1 to 15 mg/L	Potassium was detected at low concentrations in the majority of CSWF groundwater samples. Similar ranges were reported in Aquifer 1 (5.4 to 9.6 mg/L) and Aquifer 2 (3.1 to 15 mg/L). Water supply wells reported potassium levels ranging between 5.5 to 7.1 mg/L.
Sodium	15 to 80 mg/L	Sodium levels were consistently low across the CSWF, with Aquifer 1 (19 to 43 mg/L) and Aquifer 2 (15 to 80 mg/L) reporting a similar range of sodium concentrations. Sodium levels in the water supply wells were slightly lower ranging between 25 and 35 mg/L.
Sulfate	5 to 140 mg/L	Higher sulfate concentrations were generally observed in wells situated near refuse, including Aquifer 1 well E1D and Aquifer 2 well N1D. Water supply wells reported sulfate concentrations ranging between 24 and 60 mg/L.

Total Dissolved Solids (TDS)	52 to 1,100 mg/L	Total dissolved solids (TDS) was reported at concentrations ranging between 52 (E7D in April) and 1,100 mg/L (E1D in January) over the compliance year. Aquifer 1 and Aquifer 2 wells reported TDS ranges of 480 to 1,100 mg/L and 52 to 980 mg/L, respectively. The April E7D result was noted to be anomalously low, and may represent a sampling/analytical artifact. Water supply wells reported lower TDS concentrations, ranging between 410 and 740 mg/L.
Nitrate/Nitrite	ND to 35 mg/L	Aquifer 1 reported the greatest range of nitrate/nitrite detections (from ND to 35 mg/L). As noted in past years, this parameter was most elevated in S10S (35 mg/L during April), but routinely exceeded 5 mg/L in six of the remaining Aquifer 1 wells. The 10 mg/L groundwater quality criterion was exceeded at least once in Aquifer 1 wells E1S, E2S, E4S, N3S, NE1S, and S10S over the reporting year. As noted in past compliance years, these nitrate/nitrite detections are suspected to be related to non-landfill sources.
Total Organic Carbon (TOC)	ND to 3.2 mg/L	TOC ranged between <1.0 and 2.1 mg/L in the Aquifer 1 wells, <0.5 to 3.2 mg/L in the Aquifer 2 wells, and 0.8 to 2.1 mg/L in the water supply wells. The highest TOC results are typically observed in Aquifer 2 well N1D.

ND: defined as parameter results below the laboratory reporting limit. It should be noted that J-flagged detections (approximate results reported at concentrations below the MRL) are included in the summary data tables (see Table Appendixes).

General chemistry parameters detected over the current compliance year remained within the typical ranges, similar to those reported in previous monitoring years.

3.2.2.3 Metals

Metals results for the 2023 reporting year are summarized below. Five metals, including beryllium, lead, selenium, silver, and thallium were either not detected or only sporadically reported above their respective laboratory reporting limits. Accordingly, these five metals have been excluded from the discussion below. The range of total metal detections reported at the CSWF over the compliance year is presented below in Exhibit 5, along with a brief assessment of the 2023 results.

Exhibit 5. 2023 Range of Total Metals Parameters

Total Metal	Range of Measurements*	Notes
Antimony	0.13 to 2.1 µg/L	Low levels of antimony were detected in Aquifer 1, Aquifer 2 and water supply wells. The highest concentrations were reported in Aquifer 2 well E7D (0.55 to 2.1 µg/L).
Arsenic	0.58 to 22 µg/L	Aquifer 1 arsenic concentrations varied from 1.2 to 15 µg/L. Aquifer 2 arsenic levels ranged between 0.58 and 22 µg/L. Water supply wells reported arsenic concentrations ranging between 2.9 and 7.1 µg/L. The highest arsenic results were observed at Aquifer 2 well E9D.
Barium	16 to 95 µg/L	Low barium concentrations were observed in most CSWF wells. Aquifer 1 and water supply wells reported a narrower range of barium concentrations (27 to 66 µg/L and 19 to 32 µg/L, respectively). Aquifer 2 reported slightly higher barium levels ranging between 16 and 95 µg/L. No site-wide or seasonal trends are apparent.
Cadmium	ND to 0.37 µg/L	Aquifer 1 cadmium detections ranged from 0.06 to 0.17 µg/L. Aquifer 2 cadmium concentrations ranged between 0.05 and 0.37 µg/L. Water supply well WR-1 reported 0.12 µg/L cadmium during the July event.

Chromium	ND to 13 µg/L	Aquifer 1 chromium detections ranged between 0.23 and 13 µg/L. Chromium detections in Aquifer 2 wells varied between 0.17 and 2.0 µg/L. Water supply wells reported chromium detections ranging from 0.17 to 3.9 µg/L.
Cobalt	ND to 3.6 µg/L	Cobalt was detected at least once above the reporting limit in Aquifer 1 wells E1D and Aquifer 2 wells E7D and N1D at concentrations ranging from 0.30 to 3.6 µg/L. The highest concentration was observed at Aquifer 1 well E1D in April. Cobalt was only detected in water supply well WR1.
Copper	ND to 130 µg/L	Copper was reported in Aquifer 1 wells E1D, E2S, and NE1S. Aquifer 2 wells reported concentrations ranging to 11 µg/L (at E7D). Copper was also detected in the water supply wells at concentrations ranging from 0.6 to 130 µg/L.
Iron	ND to 2,200 µg/L	Iron detections ranged between 63 and 2,200 µg/L. Iron was reported in excess of the 300 µg/L groundwater quality criterion at least once in the majority of the Aquifer 2 wells. Water supply wells reported iron concentrations ranging between 110 and 770 µg/L. It should be noted that higher than typical iron levels reported for certain wells during the October event may be related to higher sample turbidity.
Manganese	ND to 610 µg/L	Aquifer 1 wells reported manganese detections varying between 0.17 and 470 µg/L. Aquifer 2 manganese detections ranged from 2.6 to 610 µg/L. Water supply well DOT reported a manganese concentration of 180 µg/L during the April and October events. The highest manganese levels were reported in Aquifer 2 well E6D.
Nickel	ND to 20 µg/L	Nickel detections in the Aquifer 1 wells ranged between 0.88 and 20 µg/L. Aquifer 2 nickel detections showed the least variation, ranging between <1 and 7.5 µg/L. Water supply well nickel detections ranged from <1 and 15 µg/L.
Vanadium	ND to 20 µg/L	Vanadium was detected at low concentrations in five Aquifer 1 wells at concentrations ranging between 0.64 and 20 µg/L. Vanadium was reported in Aquifer 2 wells E2D, E7D, E10D, N2D and N5D at concentrations ranging to 5.8 µg/L. Water supply wells DNR and WR1 detected vanadium at concentrations ranging between 2.4 and 5.9 µg/L.
Zinc	ND to 580 µg/L	Low zinc concentrations (ranging to 16 µg/L) were sporadically detected in several of Aquifer 1 groundwater wells. Aquifer 2 reported zinc at concentrations ranging to 490 µg/L (at well E7D IN October). All of the water supply wells reported zinc detections ranging between 9 to 580 µg/L. The highest zinc result was reported at water supply well DOT (580 µg/L) during the third quarter event, and represent an anomalous detection.

* Metals results are being reported in micrograms per liter (µg/L) for Exhibit 5 and Tables 2A, 2B and 2C at the request of Ecology Solid Waste.

ND: defined as parameter results below the laboratory reporting limit. It should be noted that J-flagged detections (approximate results reported at concentrations below the MRL) are included in the summary data tables (see Table Appendixes).

The total metals results observed at the CSWF during 2023 compliance period largely remained within typical ranges, similar to those reported in previous monitoring years.

3.2.2.4 Volatile Organic Compounds

Tables 3A through 3C present the volatile organic compound results obtained over the reporting period. Table 4 summarizes the VOCs that were detected during 2023 in the routinely monitored groundwater wells. A total of 13 VOCs were detected in groundwater samples collected from the CSWF monitoring wells during compliance year. However, the majority of these compounds were only

sporadically detected at low concentrations in a single well or during a single sampling event, and are suspected to represent field or analytical artifacts. Four VOCs including 1,1,1-trichloroethane, 1,1-dichloroethane, trichlorofluoromethane and vinyl chloride were the most frequently reported. The range of VOC detections reported at the CSWF over the compliance year is presented below in Exhibit 6, along with a brief assessment of the 2023 results.

Exhibit 6. 2023 Range of Volatile Organic Compounds

Field Parameter	Range of Measurements	Notes
1,1,1-Trichloroethane	ND to 0.44 µg/L	1,1,1-Trichloroethane was detected in three Aquifer 1 wells (E1D, N2S and S10S) at concentrations ranging between 0.025 and 0.41 µg/L). Two Aquifer 2 wells (E2D and N3D) reported concentrations between 0.03 and 0.44 µg/L). 1,1,1-Trichloroethane was not detected in any water supply wells.
1,1-Dichloroethane	ND to 0.24 µg/L	1,1-Dichloroethane was detected in one Aquifer 1 well (N2S at concentrations of 0.19 and 0.24 µg/L). Four Aquifer 2 wells (E2D, E7D, N2D and N5D) reported concentrations ranging between 0.02 and 0.20 µg/L).
Trichlorofluoromethane	ND to 3.8 µg/L	Trichlorofluoromethane was detected at seven CSWF locations during 2023, including four Aquifer 1 wells (E2S, N2S, N3S, and S10S) and three Aquifer 2 wells (E2D, E7D and N2D). Aquifer 1 detections ranged between 0.99 and 3.8 µg/L, while Aquifer 2 levels ranged between 0.49 and 3.2 µg/L. The most elevated trichlorofluoromethane levels occurred in downgradient well S10S.
Vinyl Chloride	ND to 13 µg/L	Vinyl chloride was detected above the 0.02 µg/L reporting limit in three Aquifer 1 wells (E1D, E2S, and N2S) and two Aquifer 2 wells (E2D and E6D)) over the compliance year. The majority of these wells are located within or immediately adjacent to the disposal areas. The most elevated vinyl chloride levels were detected in well E2D (ranging from 9.7 to 13 µg/L).

ND: defined as parameter results below the laboratory reporting limit. It should be noted that J-flagged detections (approximate results reported at below the MRL) are included in the summary data tables (see Table Appendixes).

The remaining Aquifer 1 or Aquifer 2 monitoring wells downgradient of the former disposal areas, including the two downgradient Aquifer 2 “sentinel wells” (E9D and E10D) situated near the downgradient facility border, did not report any VOC detections during the 2023 compliance period. With the exception of isolated, low-level, J-flagged detections of chloromethane and cis-1,2 dichloroethylene (both DNR during October) and benzene and styrene (both in WR1 during July), VOCs were not reported in the water supply wells monitored over the compliance period. Consistent with previous results, the majority of the VOC detections occurred in wells that are located within or immediately adjacent to the disposal areas.

3.2.2.5 Groundwater Data QA/QC

All analytical data reported by the primary testing laboratory (Eurofins Fife, WA) over the 2023 compliance year was subjected to QA/QC evaluations. The QA/QC evaluations were performed as outlined in the SAP/QAP, and included the collection and analysis of field duplicates and trip blanks. The QA/QC evaluation also provided for a detailed review of the laboratory data, including sample handling, holding times, and laboratory performance analyses including duplicates, blanks, matrix

spikes, matrix spike duplicates and surrogate recoveries. Data quality issues were not identified in the majority of the analytical data sets reported during the current compliance period. Data flags have been appended to the 2023 testing results as appropriate. The 2023 data were determined to be acceptable for the intended purposes. Appendix B contains the data validation reports and the laboratory data packages for the reporting year.

3.2.3 Groundwater Quality Criteria Comparison

All analytical results were compared to the water quality criteria for groundwater of the state of Washington (Chapter 173-200 WAC) and to Federal primary and secondary MCLs. A summary of WAC 173-200 criteria and Federal MCL exceedances for the 2023 reporting year can be found on Table 5. Water quality criteria for seven analytes were exceeded during the compliance period as shown below in Exhibit 7.

Exhibit 7. 2023 Groundwater Exceedances

Parameter	WAC 173-200 Groundwater Standard	Notes
Specific Conductance	700 $\mu\text{S}/\text{cm}^*$	The WAC 173-200 and secondary drinking water standards for specific conductance were exceeded at least once during 2023 in 9 Aquifer 1 wells, 13 Aquifer 2 wells and three water supply wells.
Total Dissolved Solids (TDS)	500 mg/L^*	The WAC 173-200 and secondary drinking water standards for TDS were exceeded at least once in 8 Aquifer 1 wells, 11 Aquifer 2 wells and three water supply wells. While some of the reported exceedances are likely due to effects from past waste disposal activities, many of the exceedances are thought to be due to natural water quality. Wells in central Island County routinely report TDS levels on the order of 500-800 mg/L .
Nitrate	10 mg/L^*	The WAC 173-200 and primary drinking water standards for nitrate were exceeded at least once in four Aquifer 1 wells (E1S, E2S, E4S and S10S). Aquifer 2 well E2D also reported nitrate exceedance during the April and October event. Given the generally cross-gradient locations of the Aquifer 1 wells which have historically detected nitrate, most of these exceedances do not appear to be directly attributable to the CSWF waste disposal cells.
Arsenic	0.05 $\mu\text{g}/\text{L}^{**}$	The WAC 173-200 groundwater quality criterion for arsenic was exceeded in the majority of CSWF groundwater monitoring and water supply wells. The primary drinking water MCL of 10 $\mu\text{g}/\text{L}$ was also exceeded in each of the samples collected from Aquifer 2 wells E4D and E9D, and from the April sample from Aquifer 1 well E1D. The source of the elevated arsenic detections reported in downgradient well E9D remains unclear. However, given the significantly lower arsenic levels observed around and immediately downgradient of the CSWF waste cells, this detection does not appear to be related to the landfill.
Iron	300 $\mu\text{g}/\text{L}^*$	The WAC 173-200 and secondary drinking water standards for iron were exceeded at least once in five Aquifer 2 wells (E5D, E6D, E8D, E10D, and N1D) and water supply wells DOT and DNR. Aquifer 1 well E1D also exceeded standards once during the October event. It should be noted that the water supply wells are not constructed to be environmental monitoring wells, and are prone to produce higher turbidity samples, which are considered to provide less representative groundwater results.

Manganese	50 µg/L*	The WAC 173-200 and secondary drinking water standards for manganese were exceeded at least once in 16 wells, including three Aquifer 1 wells, eleven Aquifer 2 wells, and water supply wells DOT and DNR.
Vinyl Chloride	0.02 µg/L	The WAC 173-200 groundwater criterion for vinyl chloride was exceeded at least once in four CSWF wells, including: three Aquifer 1 wells (E1D, E2S and N2S) and two Aquifer 2 well (E2D and E6D). Concentrations in Aquifer 2 well E2D also exceeded the primary drinking water MCL of 2 µg/L. Vinyl chloride was not detected in any of the water supply wells during 2023.

* Secondary MCL for this parameter is equal to the WAC 173-200 standard.

** Primary MCL for arsenic is 10 µg/L.

Groundwater quality exceedances observed at CSWF during 2023 compliance period remain generally similar to those reported during previous monitoring years. It should be noted, however, that vinyl chloride (a primary site contaminant) was not detected in near refuse, Aquifer 2 well E7D during the current reporting year.

3.3 EVALUATION OF GROUNDWATER QUALITY

3.3.1 Spatial Distribution

Groundwater analytical and field parameter results for the 2023 reporting year reflect the continuing influence of past waste disposal activities on groundwater quality at the CSWF. As reported during past compliance reports, groundwater wells within or immediately adjacent to the disposal area continue to report elevated concentrations relative to background conditions for the following parameters of interest:

- specific conductivity
- total dissolved solids
- nitrate/nitrite
- sulfate
- arsenic
- iron
- manganese
- vinyl chloride

These elevated parameter concentrations generally occur immediately adjacent to the unlined waste disposal cells (either due to leaching from the landfill, LFG, or simply mobilization due the landfill's presence). As previously reported for this site, the migration of these contaminants appears to be attenuating beneath the facility, as evidenced by the reduced concentrations of target analytes at monitoring wells located 400 to 750 feet downgradient of the disposal areas. The results continue to confirm that site contaminants remain confined to the County property.

Groundwater quality impacts are generally more pronounced in the shallow aquifer wells than in the deep aquifer wells. The primary exception to this statement is found in deep aquifer well E2D, which contains elevated concentrations of vinyl chloride among other constituents. However, it is noteworthy that vinyl chloride levels in the majority of Aquifer 2 wells appear to be gradually declining when compared to historical results. As previously noted, vinyl chloride was not detected in near refuse, Aquifer 2 well E7D during 2023. In addition, groundwater samples collected from downgradient "sentinel" wells E9D and E10D have never detected the presence of vinyl chloride.

3.3.2 Temporal Trends

Statistical analysis for parameters exceeding groundwater quality criteria (specific conductivity, total nitrate/nitrite, sulfate, TDS, arsenic, iron, manganese, and vinyl chloride) was performed for both short (most recent two years) and long (all available data) term data trends. A summary of statistical parameters and the Mann-Kendall Trend analysis for these eight parameters can be found in Table 6. In addition, time series diagrams (covering the last 5-years) for additional selected parameters of interest are provided in Appendix C. These analyses were performed using AquaChem (ver. 2014.1) software and modules of Microsoft Excel (ver. 2016).

As noted in previous monitoring reports, both increasing and decreasing long-term trends have been documented for these parameters throughout the CSWF. However, fewer short-term statistically significant trends are observed for the same Aquifer 1, Aquifer 2 and the water supply (WS) wells, as summarized below in Exhibit 8. These trends are generally similar to those reported during previous compliance years, and are overall indicative of stable groundwater conditions.

Exhibit 8. Summary of Short-Term (2022-2023) Concentration Trends

Parameter	Aquifer Type	Wells with Increasing Trends	Wells with Decreasing Trends
Specific Conductance	1	None	None
	2	E6D	None
	WS	None	None
Nitrate/Nitrite, total	1	None	None
	2	None	None
	WS	None	None
Sulfate	1	None	None
	2	None	None
	WS	None	None
TDS	1	None	None
	2	None	None
	WS	None	None
Arsenic	1	None	None
	2	None	None
	WS	None	None
Iron	1	None	None
	2	None	None
	WS	None	None
Manganese	1	None	None
	2	None	None
	WS	None	None
Vinyl chloride (not detected in WS wells)	1	None	None
	2	None	None

The absence of significant short-term (2 year) trends is also discernable in the 5-year time (2019-2023) series diagrams (C1 through C34) attached to Appendix C. As illustrated by these time-series charts, the short term increasing trend identified for specific conductance in E6D does not represent a substantial concentration change.

3.3.3 Groundwater Geochemistry

The geochemical character of groundwater collected from Aquifer 1, Aquifer 2 and the water supply wells during the 2023 semi-annual monitoring events was evaluated using the Piper diagrams and cation/anion balance tables attached to Appendix C. As shown on the Piper diagrams, the water samples obtained from Aquifer 1, Aquifer 2 and water supply wells typically exhibit similar geochemical signatures. As noted for past reporting years, these diagrams indicate that the dominant anion in the groundwater samples continues to be bicarbonate, while the cations are dominated by calcium and magnesium.

Groundwater cation/anion balance calculations were also used to assess the geochemical character of the water samples. Ideally, after the major anions and cations present in a sample are determined, the sum of the positive cations (in milliequivalents per liter [meq/L]) should approximately equal the sum of the negative anions (Hem 1986). All natural waters should be electroneutral; however, differences can arise between dissolved cations and anions in groundwater as measured by an analytical laboratory due to a number of factors including: presence of colloidal fractions, systematic error in preparation and analysis of samples, malfunction of/poorly calibrated equipment, major species omitted from analysis, the presence of unusually high concentrations of cations/anions, and not all ions present in water are included in the balance calculation. Due to these potential issues, differences in the ion balance can be difficult to assess for imbalances due to groundwater impacts.

The range of the sum of ions and balance of ions for the majority of the samples collected at the CSWF during the 2023 compliance period reported relative percent differences (RPD) ranging within (+/-) ten percent of neutral. However, balances outside of this range were reported at least once in 2023 at two Aquifer 1 wells (E4S and NE1S) and three Aquifer 2 wells (E5D, E7D and E9D) ranging between negative (-) 27.64 and 12.72 percent. Positive values indicate that the sum of the cations is greater than the sum of the anions. Ion balances outside a (+/-)ten percent RPD threshold may reflect the presence of ions outside the parameter suite being analyzed, possible errors associated with analytical limitations in the measurements, or potential low level impact from human activities at the site

4.0 LANDFILL GAS

A LFG migration control system, consisting of a perimeter air injection system (along the south, east, and west edge of the property) and a perimeter probe monitoring network was installed at the landfill in 1988 (Figure 7). The original gas migration control system was deactivated in May 2005, coincident with the activation of the existing LFG extraction wells (described below).

Currently, the County MSW and CDL landfills employ active gas collection and control measures which consist of a LFG extraction system and an SVE system as shown on Figures 8 and 9. A cross sectional view of these systems is shown on Figure 10. Each of these systems includes a series of extraction wells and a gas conveyance system. The LFG system also employs treatment through combustion in a flare. In early 2005, system upgrades included the addition of SVE wells, LFG extraction wells, replacement plumbing components, a new gas conveyance system, replacement of a condensate sump, and an upgraded flare control. An additional SVE well (VGW-9) was installed in 2008. New LFG extraction wellheads were placed on all of the vertical and horizontal extraction wells during 2014. The upgraded wellheads allowed for better flow adjustment control and accurate flow measurement during low flow conditions. New high efficiency blowers were installed for both the LFG system and the SVE system in 2015.

Both the LFG and SVE systems operated normally throughout 2023.

4.1 COMPLIANCE MONITORING ACTIVITIES

LFG monitoring is conducted quarterly to provide an assessment of the subsurface landfill gas conditions at the site and to confirm compliance with regulatory criteria for subsurface methane concentrations. LFG monitoring procedures are detailed in the *Landfill Gas Monitoring Plan, 2008 Revision, Coupeville Solid Waste Facility*, prepared by SCS (April, 2008). The monitoring program activities involve recording primary LFG (methane and carbon dioxide) and depressed oxygen concentrations and relative soil pressures, if applicable.

The LFG probes that are currently monitored include:

- Perimeter Probes (11 total)
- Building Probes (7 total)
- On-site structures - Scale House (2 locations)

LFG probe and structure monitoring locations are illustrated on Figure 7. Note that many of the probe locations include a shallow and deep probe (S and D designations, respectively).

4.1.1 Field Procedures

LFG probes were monitored in the field using a single, portable, multi-gas analyzer. The portable gas analyzer measures methane and carbon dioxide with a dual wavelength infrared cell with a reference channel. Oxygen is measured with an electro-chemical cell and the pressure is measured with a transducer. The gas analyzer was calibrated prior to, and after, each monitoring event. Field monitoring was conducted in accordance with Section 4 of the Landfill Gas Monitoring Plan. Field activities were documented in the field logs. Both field and calibration logs are included in Appendix A.

General weather conditions were noted during and preceding each monitoring event. Atmospheric pressure fluctuations can influence LFG concentration and pressure in the probes. Higher LFG concentrations are typically observed at the end of significantly falling barometric pressure trend. To assist with interpreting these data, barometric pressure trends were noted prior to and during each LFG monitoring event. Barometric pressure trends recorded over the course of the 2023 sampling events are included in Appendix D.

4.2 RESULTS

The following results are organized by LFG monitoring location. Due to instrument limitations, concentrations of methane and/or carbon dioxide less than (<) 0.3 percent by volume are not considered significant given the sensitivity of the field instrument at low concentrations. The LFG monitoring results for 2023 are presented in Table 7.

4.2.1 Landfill Gas Probes

The probe results represent stabilized sampling conditions after purging at least one probe casing volume. Both stabilized readings and short-term readings of elevated pressures (“spikes”) at a probe may indicate the potential presence of LFG within the landfill.

Methane (>0.3 percent by volume) was not recorded in any of the perimeter probes during 2023. The GP-30 location consists of a series of five probes which are completed within refuse and are where elevated methane concentrations are expected and have been historically observed. Methane concentrations during 2023 in these probes ranged widely, from 0.3 to 48.8 percent by volume.

Carbon dioxide was reported during 2023 in all LFG probes, ranging from less than 0.3 to 20.1 percent by volume. Depressed oxygen concentrations were recorded during the reporting period in all of the LFG probes at values ranging between 0.0 and 20.3 percent by volume. Seven subsurface probes (GP-13S, GP-17S, GP-2378, GP-6S/D, GP-S6S/D, GP-2098 and GP-W1) reported oxygen concentrations above 20.3 during 2023, with most probes only reporting a single elevated measurement. Representative relative (static) pressure measured in the perimeter LFG probes during 2023 ranged from -0.49 to +0.7 inches of water.

4.2.2 Structures – Scale House

Methane was not detected in the scale house/office during the 2023 monitoring events. Carbon dioxide was detected above 0.3 percent by volume (at 0.4 and 1.0 percent by volume) at the scale house and office during two events (third and fourth quarters) during 2023. Indoor oxygen measurements were observed to range between 20.4 and 20.9 percent by volume in this structure during the compliance year.

4.3 LANDFILL GAS EVALUATION

The production of LFG at the CSWF likely reached its peak between 1 and 3 years after waste disposal ceased (1978 for the Town of Coupeville Landfill, 1991 for the County MSW Landfill, and 2001 for the County CDL Landfill). Gas production is expected to be continuously declining due to the nature of the waste decomposition processes.

The dominant mechanism for LFG movement in the subsurface soils surrounding the CSWF is diffusion (movement from a high concentration to low concentration) due to the age of the waste and very low gas production. This method of LFG movement is much less pronounced as opposed to convective driven LFG movement (movement from high pressure to low pressure), which is predominant during active filling and within 10 years after filling has ceased. For the most part, the slow movement of LFG appears to allow the methane to oxidize before reaching the perimeter monitoring probes.

The 2023 monitoring results confirm that LFG (combined methane and carbon dioxide) remains present in the subsurface soils surrounding the historical disposal areas at relatively low and declining concentrations. Due to the age of waste, very low LFG production, and the method of LFG movement within the surrounding geologic formation (sandy/gravelly soils), methane is generally not observed at the compliance monitoring locations.

5.0 CONTAMINANT SOURCE CONTROL MEASURES

Contaminant source control systems operating at the CSWF include stormwater collection from the waste disposal areas, LFG extraction from the waste mass, and soil vapor extraction in the vadose soils beneath the landfill. The systems operated normally throughout 2023.

5.1 OPERATIONAL ACTIVITIES

5.1.1 Landfill Gas and Soil Vapor Extraction

Routine operations began at the upgraded LFG extraction system and SVE system on November 22, 2005 when the automated timers were installed for both the LFG and SVE systems. Blower motor hours for each system are manually recorded to track the operation of each system.

LFG and SVE system operations and monitoring activities consisted of obtaining field measurements of primary gas composition, gas temperature, well pressure (vacuum), system pressure, and flow from each of the LFG extraction wells, SVE wells, and blower inlets for each system. Monitoring is conducted approximately every 45 days. Adjustments are made as necessary to maintain anaerobic conditions for the LFG extraction wells. Monitoring of these systems is conducted to provide an assessment of the extraction system performance and effects of removing soil vapor from the vadose zone surrounding the disposal areas.

Between November 22, 2005 and December 27, 2023, the LFG extraction system operated an average of 4.90 hours per day and the SVE system operated an average of 9.50 hours per day, as summarized on Table 8. These operational times are intended to balance extraction with the generation of LFG. If extraction exceeds gas generation, oxygen may be pulled into the landfill, which could create a fire hazard. Furthermore, drawing oxygen into the system prevents the LFG treatment system (flare) from operating correctly. Excessive extraction of native soil gas could induce migration of LFG from the waste mass to native soil when LFG is not being actively extracted.

5.1.1.1 Monitoring Activities

Monitoring locations, LFG extraction wells, SVE wells, and blower inlets are shown on Figures 7 through 10. These locations are monitored for primary LFG constituents, gas temperature, well pressure, system pressure and flow. Adjustments to individual well extraction rates are conducted on an as needed basis to maintain anaerobic conditions.

The monitoring locations are designated as follows:

- Vertical LFG Extraction Wells (five locations prefixed by VGW-#)
- Horizontal LFG Extraction Wells (nine locations prefixed by HGW-#)
- Vertical SVE Wells (four locations prefixed by VGW-# NS)
- Blower Inlets (BL-LFG and BL-SV)

General weather conditions were noted during and preceding the monitoring events. As previously noted, atmospheric pressure fluctuations can influence gas concentrations and pressure in gas wells. Barometric pressure trends prior to sampling were recorded from the nearest available weather station (Appendix D).

5.1.2 Stormwater Collection from the Waste Disposal Areas

A stormwater drainage and collection system was installed in 2005 at the interface of the CDL/MSW landfills. The system collects stormwater runoff and water which has infiltrated into the cover soils of the MSW landfill. This water is then pumped into a ditch on the west side of the CDL landfill where it flows to an infiltration pond near the western property boundary. Discharge (in cubic feet) from the stormwater collection system sump (near monitoring well C1S) has been monitored weekly since October 25, 2005 by CSWF personnel, and continued through 2023.

5.2 RESULTS

5.2.1 Landfill Gas Collection from In-Refuse and Native Soil Extraction Points

The performance of the LFG and soil vapor extraction systems is shown on Figure 12. Operating parameter results for each system are summarized on Tables 9 and 10.

The LFG extraction system was operated under a daily intermittent cycle for a total of 32,019 hours between November 22, 2005 and December 27, 2023. Over this time the system has extracted an estimated 89,080,891 cubic feet of LFG from the refuse mass. The rate of extraction was initially at 120 standard cubic feet per minute (scfm), but has declined to an average of approximately 44.3 scfm during 2023, as extraction rates have converged with gas generation rates. The LFG composition at the blower inlet averaged 46.2 percent methane, 18.8 percent carbon dioxide, and 0.2 percent oxygen during 2023.

The SVE system operated under a daily intermittent cycle for a total of 62,499 hours from November 22, 2005 through December 27, 2023. During this time it has extracted an estimated 170,633,577 cubic feet of soil vapor/LFG from the native soil below the disposal areas. The rate of extraction was approximately 62.4 scfm during 2023. The soil vapor/LFG composition at the blower inlet averaged 5.8 percent methane, 15.6 percent carbon dioxide, and 1.4 percent oxygen in 2023.

5.2.2 Stormwater Collection from the Waste Disposal Areas

As summarized in Table 8 and Figure 11, over the period between October 25, 2005 and December 27, 2023, a total of 322,343 gallons of stormwater were pumped from the collection system sump and discharged to the infiltration pond west of the disposal areas. A total of 11,833 gallons of stormwater were pumped through the collection system during the 2023 reporting period.

5.3 EVALUATION OF CONTAMINANT SOURCE CONTROL OPERATIONS

5.3.1 Landfill Gas Collection from In-Refuse and Native Soil Extraction Points

The gas control system at the CSWF has been enhanced to provide additional source control of LFG (especially methane) and facilitate the removal of these gases from the vadose zone. Removal of LFG from the vadose zone also provides a measure of source control for groundwater quality. The gas flow rate has declined over the operating period to reflect the balancing of the LFG wells in an

attempt to achieve extraction at the same rate as gas generation. As this balancing (tuning) continues, source control (to prevent LFG from entering the vadose zone) will continue.

The LFG extraction system is successfully controlling LFG generated within the refuse mass, thereby providing source control of LFG migration to the vadose zone. The success of this system's operations is evident by:

- The volume of LFG removed from the landfill (89,080,891 cubic feet).
- Well coverage/influence over greater volume of refuse mass.
- Ability to adjust well extraction rates to match gas generation rates.
- The gas composition at the LFG blower inlet averaged 46.2 percent methane, 18.8 percent carbon dioxide, and 0.2 percent oxygen during 2023.

Similarly, the SVE system is successfully removing LFG from the vadose zone, and thereby providing an additional measure of source control for groundwater contamination. The success of this system's operations is evident by:

- The volume of soil vapor removed to date (170,633,577 cubic feet).
- The gas composition at the SVE blower inlet averaged 5.8 percent methane, 15.6 percent carbon dioxide, and 1.4 percent oxygen in 2023.

5.3.2 Stormwater Collection from Waste Disposal Areas

For every inch of rain that falls at the CSWF, as much as 1,000 gallons of stormwater may be pumped from the collection system sump near monitoring well C1S for discharge to the infiltration pond west of the disposal areas. A total of 11,833 gallons of stormwater was removed during the 2023 compliance year. Prior to this improvement, this surface runoff and infiltration water flowed into the CDL Landfill.

6.0 CONCLUSIONS

Groundwater and LFG monitoring results obtained from the CSWF over the 2023 compliance period remain generally consistent with those reported during previous compliance years. Vinyl chloride remains the primary contaminant of concern in site groundwater. The most elevated vinyl chloride detections are consistently reported in Aquifer 2 monitoring well E2D, which is situated on the eastern flank of the closed CDL/MSW disposal cells. Low level vinyl chloride exceedances are also reported in several of the Aquifer 1 wells located immediately downgradient of the waste disposal cells. Notably, Aquifer 2 well E7D, which has historically reported elevated vinyl chloride levels, did not report detectable concentrations of this VOC during 2023.

Vinyl chloride has remained absent in the CSWF wells situated beyond the immediate vicinity of the landfill. Groundwater samples collected from Aquifer 2 “sentinel” wells E9D and E10D, situated hydrologically downgradient of the observed vinyl chloride plume, have never reported detectable levels of vinyl chloride. These observations corroborate the findings of past groundwater assessment and modelling efforts which concluded that VOCs originating from the CSWF disposal cells are naturally attenuating beneath the facility, and that vinyl chloride has not, and will not in the future, migrate beyond County property. Vinyl chloride concentrations observed during 2023 remained stable or were slightly lower in most of the groundwater monitoring wells reporting detections. Overall, the 2023 results confirm that the continuation of the optimized groundwater monitoring program is warranted.

LFG monitoring results through 2023 continue to document the positive effects of removal of landfill gases from the vadose zone. Based on the estimated volume of LFG in the vadose zone and number of unaffected gas probes, continued operation of the LFG and SVE systems is recommended to remove gases from the vadose zone and achieve a balanced extraction rate for the LFG wells. Current levels of operating, monitoring and system balancing will need to be maintained to ensure the optimum performance of both the LFG and SVE systems, while preventing potential detrimental conditions such as air intrusion and pulling of LFG into the vadose zone.



Tables



Table 1A. Five Year Historical Groundwater Elevations - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Location	E1D		E1S		E2S		E4S		N2S		N3S		NE1S		S10S		S11S		W1S	
Reference Elevation (ft. msl)	203.98		204.26		202.72		205.04		203.83		204.87		208.02		205.65		204.99		195.15	
Monitoring Event	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE
Q423	136.43	67.55	136.73	67.53	136.57	66.15	140.09	64.95	134.34	69.49	138.39	66.48	143.55	64.47	134.98	70.67	133.52	71.47	109.71	85.44
Q223	136.66	67.32	136.98	67.28	136.20	66.52	140.15	64.89	134.83	69.00	138.81	66.06	143.39	64.63	134.73	70.92	133.50	71.49	109.67	85.48
Q422	136.73	67.25	136.95	67.31	136.32	66.40	140.50	64.54	134.80	69.03	138.75	66.12	143.40	64.62	134.95	70.70	133.65	71.34	109.67	85.48
Q222	136.68	67.30	136.82	67.44	136.60	66.12	140.30	64.74	135.38	68.45	138.60	65.27	143.38	64.64	134.75	70.90	133.52	71.47	109.69	85.47
Q421	137.10	66.88	137.15	67.11	136.95	65.77	140.32	64.72	134.90	68.93	139.00	65.87	144.00	64.02	135.30	70.35	133.67	71.32	109.80	85.35
Q221	137.10	66.88	137.08	67.18	136.45	66.27	140.22	64.82	135.15	68.68	138.90	65.97	143.65	64.37	134.70	70.95	133.44	71.55	109.64	85.51
Q420	136.75	67.23	137.03	67.23	136.61	66.11	140.41	64.63	134.92	68.91	138.57	66.30	143.85	64.17	134.94	70.71	133.69	71.30	109.75	85.40
Q220	136.80	67.18	137.05	67.21	136.63	66.09	140.27	64.77	134.90	68.93	138.75	66.12	143.61	64.41	138.77	66.88	133.58	71.41	109.71	85.44
Q419	136.99	66.99	137.28	66.98	136.74	65.98	140.74	64.30	135.53	68.30	139.03	65.84	144.06	63.96	135.27	70.38	133.79	71.20	109.77	85.38
Q219	137.11	66.87	137.35	66.91	136.81	65.91	140.41	64.63	135.74	68.09	138.59	66.28	143.81	64.21	135.12	70.53	133.89	71.10	109.74	85.41

Notes:

Monitoring Event code = Q (quarter), 3-digit number: Quarter of Year (1-digit) and Year designation (2-digit).

DTW = Depth to water (feet below the top of casing), WLE = Water level elevation (feet-msl)

-- = No measurement available

Table 1B. Five Year Historical Groundwater Elevations - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Location	E2D		E3D		E4D		E5D		E6D		E7D		E8D		E9D		E10D		N1D		N2D		N3D		N5D		NE1D		S11D	
Reference Elevation (ft-msl)	202.52		204.13		205.40		198.56		202.97		200.50		203.13		209.75		210.01		191.51		203.48		204.39		204.84		207.82		205.07	
Monitoring Event	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE	DTW	WLE
4Q23	146.08	56.44	148.72	55.41	151.23	54.17	142.67	55.89	145.90	57.07	143.79	56.71	146.70	56.43	159.85	49.90	161.17	48.84	134.06	57.45	145.93	57.55	147.96	56.43	147.53	57.31	155.84	51.98	144.29	60.78
3Q23	146.06	56.46	--	--	151.41	53.99	143.02	55.54	149.98	52.99	144.12	56.38	146.69	56.44	160.09	49.66	161.21	48.80	--	--	145.99	57.49	--	--	--	--	--	--	--	--
2Q23	146.20	56.32	148.82	55.31	151.45	53.95	142.10	56.46	146.07	56.90	143.98	56.52	146.92	56.21	159.86	49.89	161.18	48.83	134.27	57.24	146.19	57.29	148.33	56.06	147.47	57.37	156.03	51.79	144.51	60.56
1Q23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4Q22	146.12	56.40	149.00	55.13	151.70	53.70	143.25	55.31	146.20	56.77	144.15	56.35	147.20	55.93	160.10	49.65	160.78	49.23	134.37	57.14	146.27	57.21	148.38	56.01	148.58	56.26	156.27	51.55	144.70	60.37
3Q22	146.14	56.38	--	--	151.58	53.82	143.22	55.34	146.15	56.82	144.23	56.27	148.89	56.25	160.26	49.49	161.58	48.43	--	--	146.27	57.21	--	--	--	--	--	--	--	--
2Q22	146.55	55.97	149.28	54.85	151.69	53.71	143.40	55.16	146.21	56.38	144.12	56.38	147.21	55.92	160.02	49.73	161.33	48.68	134.55	56.96	146.39	57.09	148.46	55.93	147.60	57.24	156.30	51.52	144.66	60.41
1Q22	146.68	55.84	--	--	151.84	53.56	143.39	55.17	146.30	56.67	144.54	55.96	147.26	55.87	160.10	49.65	161.48	48.53	--	--	146.52	56.96	--	--	--	--	--	--	--	--
4Q21	146.90	55.62	149.50	54.63	151.90	53.50	143.59	54.97	146.80	56.17	144.80	55.70	147.28	55.85	160.22	49.53	161.65	48.36	134.80	56.71	146.60	56.88	148.80	55.59	148.30	56.54	156.76	51.06	144.97	60.10
3Q21	146.60	55.92	--	--	152.09	53.31	143.82	54.74	146.66	56.31	144.50	56.00	147.46	55.67	160.70	49.05	162.08	47.93	--	--	146.65	56.83	--	--	--	--	--	--	--	--
2Q21	146.62	55.90	149.50	54.63	151.97	53.43	143.73	54.83	147.00	55.97	144.55	55.95	147.43	55.70	160.28	49.47	161.71	48.30	134.80	56.71	146.80	56.68	148.83	55.56	148.07	56.77	156.65	51.17	144.92	60.15
1Q21	146.68	55.84	--	--	151.96	53.44	143.67	54.89	146.72	56.25	144.63	55.87	147.37	55.76	160.20	49.55	161.64	48.37	--	--	146.76	56.72	--	--	--	--	--	--	--	--
Q420	146.70	55.82	149.57	54.56	152.24	53.16	143.87	54.69	146.75	56.22	143.41	57.09	147.61	55.52	160.54	49.21	161.84	48.17	134.92	56.59	146.79	56.69	148.90	55.49	148.28	56.56	156.72	51.10	145.33	59.74
Q320	146.79	55.73	--	--	152.12	53.28	143.94	54.62	146.82	56.15	144.72	55.78	147.61	55.52	160.50	49.25	161.95	48.06	--	--	146.85	56.63	--	--	--	--	--	--	--	--
Q220	146.82	55.70	149.44	54.69	153.12	52.28	143.85	54.71	146.90	56.07	144.83	55.67	147.71	55.42	160.76	48.99	162.10	47.91	134.96	56.55	146.82	56.66	149.05	55.34	148.40	56.44	156.70	51.12	145.19	59.88
Q120	146.05	56.47	--	--	152.33	53.07	144.06	54.50	146.90	56.07	144.77	55.73	147.75	55.38	160.40	49.35	161.86	48.15	--	--	147.14	56.34	--	--	--	--	--	--	--	--
Q419	147.05	55.47	149.77	54.36	152.47	52.93	144.06	54.50	147.18	55.79	145.09	55.41	147.88	55.25	160.65	49.10	162.17	47.84	135.32	56.19	147.26	56.22	149.21	55.18	148.57	56.27	157.11	50.71	145.40	59.67
Q319	147.15	55.37	--	--	152.40	53.00	144.11	54.45	147.12	55.85	145.02	54.47	147.82	55.31	160.88	48.87	162.26	47.75	--	--	147.20	56.28	--	--	--	--	--	--	--	--
Q219	147.18	55.34	149.96	54.17	152.46	52.94	144.30	54.26	147.12	55.85	145.03	55.47	147.97	55.16	160.90	48.85	162.29	47.72	135.38	56.13	147.24	56.24	149.21	55.18	148.67	56.17	157.11	50.71	145.40	59.67
Q119	147.14	55.38	--	--	152.39	53.01	144.13	54.43	147.19	55.78	145.06	55.43	147.83	55.30	160.69	49.06	162.01	48.00	--	--	147.24	56.24	--	--	--	--	--	--	--	--

Notes:
Monitoring Event Code = Q (quarter), 3-digit number: Quarter of the year (1-digit) and Year designation (2-digit).
DTW = Depth to Water (feet below the top of casing), WLE = Water level elevation (feet-msl)
Monitoring was not performed during Q1 2023.
Only 2019 through 2023 data listed for wells E5D, E6D, E7D, E8D, E9D, and E10D due to these wells being explicitly included in the 2018 revised Sampling and Analysis Plan
-- = No meausement available

Table 2A. Field Parameter, General Chemistry, and Inorganic Results - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E1D		E1S		E2S		E4S		N2S		N3S		NE1S		S10S		S11S	
	Units	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4
Field Measurements																			
Dissolved Oxygen	mg/L	0.78	0.84	6.32	7.17	0.78	0.83	2.36	2.65	2.96	3.56	6.69	6.75	3.84	6.51	3.22	3.31	0.38	0.19
ORP	mV	4.3	77.1	177.3	202.6	162.3	179.5	55.8	349	239.5	195.9	245	202.8	207	277.7	183.5	120.2	-83.4	-5.1
pH	SU	6.94	6.95	6.93	6.9	6.74	6.73	7.02	6.99	6.76	6.85	6.98	7.11	7.08	7.12	6.89	6.73	7.47	7.56
Specific Conductivity	µS/cm	1670	1677	1163	1123	1229	1123	1428	1162	1372	1301	1029	1004	930	900	1172	1138	894	880
Temperature	deg-C	11.4	11.9	11.5	11.6	12.7	12.8	10.7	10.7	12.9	13.1	12.6	12.5	13.8	13.5	14.2	13.9	10.2	9.9
Turbidity	NTU	139.3	33.15	2.32	3.4	9.47	3.12	3.18	3.41	3.15	3.02	5.31	4.94	2.75	3.34	3.57	3.51	2.97	3.14
General Chemistry																			
Alkalinity, Total	mg/L	660	670	—	—	520	500	520	520	620	600	400	410	320	250	410	370	380	350
Alkalinity, Bicarbonate	mg/L	660	670	—	—	520	500	520	520	620	600	400	410	320	250	410	370	380	350
Ammonia	mg-N/L	0.075 U	0.075 U	—	—	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U	0.033	0.075 U	0.075 U
Calcium	mg/L	150	160	—	—	140	130	150	150	120	140	120	110	120	110	110	110	76	74
Chemical Oxygen Demand	mg/L	10 U	10 U	—	—	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloride	mg/L	90	91	—	—	25	21	35	25	25	20	34	31	28	24	64	59	66	61
Fluoride	mg/L	0.2 U	0.2 U	—	—	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.081	0.2 U	0.067	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22
Magnesium	mg/L	110	110	—	—	58	57	56	60	80	77	46	44	38	39	67	69	50	52
Potassium	mg/L	8.7	8.9	—	—	6.9	7.0	6.3	6.5	9.6	9.4	6.1	5.7	5.8	5.4	6.1	5.9	6.4	6.1
Sodium	mg/L	41	43	—	—	30	30	30	30	33	32	29	27	19	19	27	26	34	33
Sulfate	mg/L	120	120	—	—	50	46	42	45	55	54	41	42	92	96	73	74	29	30
Total Dissolved Solids	mg/L	1100	1000	—	—	790	640	720	780	860	860	680	530	620	720	770	640	550	480
Total Nitrate/Nitrite	mg-N/L	0.11	0.088	30	15	16	6.4	13	6.2	9.4	6.6	15	8.2	16	7.1	35	18	0.1 U	0.1 U
Total Organic Carbon	mg/L	1.2	1.7	—	—	0.76	0.97	0.7	1	0.96	1.3	0.56	1	0.86	1.1	1.2	1.8	1.7	2.1
Metals																			
Antimony	ug/L	0.48	0.27	—	—	0.31	0.35	0.18	0.2	0.13	0.16	0.16	0.19	0.16	0.18	0.17	0.24	0.8 U	0.15
Arsenic	ug/L	15	5.4	—	—	1.4	1.3	2.3	2.5	1.2	1.2	2.2	2.3	2.2	2.4	2.2	2.0	5.8	5.4
Barium	ug/L	66	48	—	—	51	46	45	48	46	44	30	32	31	34	27	28	30	32
Beryllium	ug/L	0.14	0.4 U	—	—	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Cadmium	ug/L	0.17	0.079	—	—	0.1	0.083	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.059	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chromium	ug/L	11	1.7	—	—	0.31	0.23	5.5	5.4	8.2	13	9.4	10	4.5	4.7	12	11	0.8 U	0.25
Cobalt	ug/L	3.6	1	—	—	0.9	0.75	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.19	0.18	0.12	0.051	0.14	0.12
Copper	ug/L	11	1.9	—	—	11	2 U	2 U	2 U	0.97	2 U	2 U	2 U	2.3	2.5	2 U	2 U	2 U	2 U
Iron	ug/L	0.3 U	840	—	—	0.3 U	100	0.3 U	100	0.3 U	96	0.3 U	83	0.3 U	77	0.3 U	84	0.3 U	140
Lead	ug/L	6	0.72	—	—	0.075	0.092	0.4 U	0.4 U	0.4 U	0.4 U	0.17	0.078	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.064
Manganese	ug/L	59	52	—	—	470	430	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	200	0.17
Nickel	ug/L	20	6.7	—	—	4.8	4.4	1.3	1.3	2.4	2.1	2.9	3.1	4.4	4.5	4	3.4	1	0.88
Selenium	ug/L	8 U	8 U	—	—	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U
Silver	ug/L	0.058	0.4 U	—	—	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Thallium	ug/L	1 U	1 U	—	—	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	ug/L	20	6.9	—	—	2.8	2.8	5.8	6.1	4.4	4.7	5.1	5.7	4.8	5.2	4.3	4.6	0.64	0.85
Zinc	ug/L	16	2.9	—	—	1.8	1.6	7 U	1.1	7 U	3.4	7 U	7 U	7 U	1.5	7 U	7 U	7 U	1.4

Notes:
deg-C = degress Celsius
mg/L = miligrams per liter; ug/L = micrograms per liter
mV = milivolts
mg N/L = miligrams of nitrogen per liter
ORP = oxidation reduction potential
SU = Standard units
µS/cm = microSiemens per centimeter
NTU = nepthelometric turbidity units
U = not detected above reporting limit
— = analysis not performed

Table 2B. Field Parameter, General Chemistry, and Inorganic Results - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E2D			E3D		E4D			E5D			E6D			E7D		
	Units	23Q2	23Q3	23Q4	23Q2	23Q4	23Q2	23Q3	23Q4	23Q2	23Q3	23Q4	23Q2	23Q3	23Q4	23Q2	23Q3	23Q4
Field Measurements																		
Dissolved Oxygen	mg/L	1.94	9.65	1.95	3.53	5.1	1.03	10.25	1.9	0.81	1.28	0.69	1.16	8.67	1.21	2.01	9.22	1.19
ORP	mV	170.9	-65.4	222.1	128	269.2	-44.8	-84.1	141.3	-96.9	-111.4	-69.8	-172.5	-85.4	-175.4	202.8	-51.6	332.1
pH	SU	6.65	5.32	6.62	7.38	7.5	7.88	6.8	7.85	7.24	7.14	7.19	7.52	6.72	7.46	6.15	5.97	6.67
Specific Conductivity	µS/cm	1411	1436	1369	730	723	630	566	529	1655	1474	1392	751	771	755	282.2	407	1240
Temperature	deg-C	13	14.2	12.8	10.7	11	10.6	13.5	10.8	11.5	13.4	11.7	15.5	15.6	15	14	14.9	13.3
Turbidity	NTU	41.17	4.0	3.62	3.24	3.24	6.39	4.0	3.5	3.37	3.26	3.32	2.55	11.0	2.57	6.24	10.0	8.61
General Chemistry																		
Alkalinity, Total	mg/L	540	NA	550	330	300	220	NA	210	700	760	700	300	360	340	58	88	140
Alkalinity, Bicarbonate	mg/L	540	NA	550	330	300	220	NA	210	700	760	700	300	360	340	58	88	140
Ammonia	mg-N/L	0.075 U	NA	0.075 U	0.039	0.075 U	0.083	NA	0.078	0.033	0.043	0.075 U	0.051	0.06	0.046	0.075 U	0.05	0.052
Calcium	mg/L	150	NA	150	66	67	46	NA	45	180	190	180	66	73	70	21	44	51
Chemical Oxygen Demand	mg/L	10 U	NA	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	10 U
Chloride	mg/L	44	NA	41	38	34	34	NA	31	30	6.4	26	21	2.7	17	45	59	110
Fluoride	mg/L	0.2 U	NA	0.2 U	0.2 U	0.23	0.2 U	NA	0.18	0.2 U	0.093	0.031	0.2 U	0.2 U	0.19	0.2 U	0.2 U	0.2 U
Magnesium	mg/L	75	NA	78	41	43	31	NA	32	86	92	88	34	38	37	2.9	9.3	13
Potassium	mg/L	7.7	NA	7.9	6.5	6.2	11	NA	11	8.6	9.1	8.4	5.9	6.1	6.1	3.1	5.8	6.8
Sodium	mg/L	31	NA	32	25	25	24	NA	25	36	37	35	34	34	34	25	64	80
Sulfate	mg/L	82	NA	87	15	15	25	NA	14	37	36	37	31	4.9	29	8.5	57	34
Total Dissolved Solids	mg/L	670	NA	810	340	390	290	NA	460	920	880	910	520	380	440	52	240	470
Total Nitrate/Nitrite	mg-N/L	16	NA	15	0.1 U	0.1 U	0.1 U	NA	0.1 U	0.1 U	0.4 U	0.1 U	0.1 U	0.4 U	0.1 U	0.78	1.2	1.3
Total Organic Carbon	mg/L	1.6	NA	2.3	0.76	1.2	1.9	NA	2.2	1.3	1.4	1.8	1.3	1.3	1.2	1.7	2.6	2.9
Metals																		
Antimony	ug/L	0.16	NA	0.19	0.8 U	0.8 U	0.8 U	NA	0.8 U	0.8 U	0.8 U	0.8 U	—	0.8 U	0.8 U	0.55	1.4	2.1
Arsenic	ug/L	1.7	NA	1.7	6.2	5.9	16	NA	17	6.1	6.2	6.2	—	1.7	1.9	0.6	1.1	1.3
Barium	ug/L	34	NA	35	27	27	37	NA	37	75	77	81	—	75	77	38	59	85
Beryllium	ug/L	0.4 U	NA	0.4 U	0.4 U	0.4 U	0.4 U	NA	0.4 U	0.4 U	0.4 U	0.4 U	—	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Cadmium	ug/L	0.076	NA	0.097	0.4 U	0.4 U	0.4 U	NA	0.4 U	0.4 U	0.4 U	0.4 U	—	0.4 U	0.4 U	0.079	0.18	0.3
Chromium	ug/L	0.17	NA	0.26	1.1	1.0	0.5	NA	0.29	0.21	0.27	0.2	—	0.22	0.25	0.73	1.7	2.0
Cobalt	ug/L	0.19	NA	0.19	0.072	0.4 U	0.14	NA	0.4 U	0.044	0.053	0.4 U	—	0.4 U	0.4 U	0.14	0.43	0.3
Copper	ug/L	0.71	NA	0.72	2 U	2 U	2 U	NA	7.7	2 U	2 U	2 U	—	2 U	2 U	7.2	11	9.1
Iron	ug/L	300 U	NA	100	300 U	63	300 U	NA	130	2200	2000	2100	1600	1800	2200	300 U	530	110
Lead	ug/L	0.4 U	NA	0.4 U	0.4 U	0.4 U	0.14	NA	0.4 U	0.4 U	0.055	0.4 U	—	0.4 U	0.4 U	0.64	1.3	0.28
Manganese	ug/L	59	NA	53	290	230	86	NA	81	320	340	320	590	610	530	3	87	140
Nickel	ug/L	7.3	NA	7.4	0.49	0.17	0.67	NA	6.8	1.8	1.9	1.7	—	3 U	3 U	1.3	3	4
Selenium	ug/L	8 U	NA	8 U	8 U	8 U	8 U	NA	8 U	8 U	8 U	8 U	—	8 U	8 U	8 U	8 U	8 U
Silver	ug/L	0.14	NA	0.4 U	0.4 U	0.4 U	0.4 U	NA	0.4 U	0.4 U	0.4 U	0.4 U	—	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Thallium	ug/L	1 U	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	—	1 U	1 U	1 U	1 U	1 U
Vanadium	ug/L	5.5	NA	5.8	4 U	4 U	0.64	NA	4 U	4 U	4 U	4 U	—	4 U	4 U	0.5	0.8	0.6
Zinc	ug/L	1.2	NA	7 U	7 U	7 U	2.3	NA	7 U	7 U	2.2	7 U	—	1	7 U	73	200	490

Notes:

deg-C = degress Celsius

mg/L = miligrams per liter, ug/L = micrograms per liter

mV = milivolts

mg N/L = miligrams of nitrogen per liter

NA = Monitoring Wells E2D and E4D were only sampled for VOCs during 23Q3 in accordance with the site sampling and analysis plan. See Table 3B for results.

NTU = nepthelometric turbidity units

ORP = oxidation reduction potential

SU = Standard units

µS/cm = microSiemens per centimeter

U = not detected above reporting limit

— = analysis not performed

Table 2B. Field Parameter, General Chemistry, and Inorganic Results - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E8D			E9D			E10D			N1D		N2D			N3D		N5D	
	Units	23Q2	23Q3	23Q4	23Q2	23Q3	23Q4	23Q2	23Q3	23Q4	22Q2	22Q4	23Q2	23Q3	23Q4	23Q2	23Q4	23Q2	23Q4
Field Measurements																			
Dissolved Oxygen	mg/L	1.06	1.43	1.72	0.99	12.1	1.35	0.97	12.38	1.28	2.39	1.1	1.05	0.91	0.92	7.54	1.59	2.01	1.59
ORP	mV	-127.5	-154.3	38.7	-85.7	-71.7	-55	-115.6	-95.3	-127.1	-12.7	-40.1	194	107.5	130.6	238.6	137.3	172.6	111.4
pH	SU	7.41	7.58	7.45	8.17	7.56	8.06	7.43	6.24	7.33	7.09	7.13	6.87	6.97	6.92	6.52	7.5	2.3	7.13
Specific Conductivity	µS/cm	559	601	554	521	556	530	929	1010	962	1425	1400	1189	1248	1180	666	674	1402	1359
Temperature	deg-C	10.8	12.4	10.3	10.3	11.5	10.5	10.1	11.2	10.4	11.5	11.9	13	13.8	13.1	12.5	12.6	11	10.7
Turbidity	NTU	3.55	3.69	3.63	5.34	7.00	4.33	2.85	5.0	2.82	2.71	3.03	3.00	7.11	3.33	2.93	4.0	2.63	2.92
General Chemistry																			
Alkalinity, Total	mg/L	260	270	320	180	190	290	380	440	410	440	460	400	460	430	250	250	560	530
Alkalinity, Bicarbonate	mg/L	260	270	320	180	190	290	380	440	410	440	460	400	460	430	250	250	560	530
Ammonia	mg-N/L	0.094	0.16	0.09	0.079	0.095	0.075	0.033	0.045	0.075 U	0.075 U	0.075 U	0.075 U	0.05	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
Calcium	mg/L	52	59	53	30	33	30	100	110	100	110	110	99	110	100	75	73	110	110
Chemical Oxygen Demand	mg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloride	mg/L	14	7	12	44	24	41	61	35	57	120	110	80	47	74	42	38	95	87
Fluoride	mg/L	0.2 U	0.12	0.19	0.2 U	0.2 U	0.17	0.2 U	0.22	0.2 U	0.2 U	0.044	0.2 U	0.13	0.2 U	0.2 U	0.2 U	0.2 U	0.14
Magnesium	mg/L	28	31	29	33	37	34	59	64	59	93	97	67	73	72	28	28	88	93
Potassium	mg/L	5	5.6	4.9	14	15	15	7.7	7.9	7.5	9.3	9	7.8	8.3	8.2	6	6.2	9.8	9.6
Sodium	mg/L	23	25	23	15	16	15	31	32	31	46	46	39	40	41	22	22	45	46
Sulfate	mg/L	24	23	24	18	18	18	46	47	48	140	140	71	71	73	26	26	83	86
Total Dissolved Solids	mg/L	670	290	380	370	310	280	720	570	570	980	900	740	670	750	730	680	830	790
Total Nitrate/Nitrite	mg-N/L	0.1 U	0.4 U	0.1 U	0.1 U	0.4 U	0.1 U	0.1 U	0.4 U	0.1 U	0.1 U	0.1 U	7.2	4.2	4.3	0.1 U	0.1 U	0.056	0.059
Total Organic Carbon	mg/L	0.6	0.76	0.76	0.82	1.1	1.1	0.88	1.2	1.2	2.8	3.2	1.4	1.7	1.8	0.54	0.87	1.9	2.3
Metals																			
Antimony	ug/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.18	0.2	0.8 U	0.8 U	0.8 U	0.14
Arsenic	ug/L	5	5.1	5.0	21	22	21	6.5	6.6	6.6	4.9	5.0	2.9	3.0	2.9	7.9	8.3	3.0	3.0
Barium	ug/L	58	58	64	25	24	26	42	43	45	88	95	26	26	27	28	30	72	80
Beryllium	ug/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Cadmium	ug/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.054	0.4 U	0.37	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chromium	ug/L	0.19	0.26	0.24	0.42	0.35	0.37	0.8 U	0.25	0.23	0.19	0.3	0.2	0.35	0.38	0.44	0.61	0.18	0.25
Cobalt	ug/L	0.15	0.15	0.19	0.084	0.04	0.4 U	0.4 U	0.4 U	0.4 U	0.3	0.32	0.071	0.077	0.088	0.059	0.096	0.19	0.17
Copper	ug/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	0.81	0.76	0.8	2 U	2 U	0.78	0.67
Iron	ug/L	1300	1300	1200	300 U	140	130	880	840	890	250	410	300 U	72	91	300 U	290	300 U	82
Lead	ug/L	0.4 U	0.4 U	0.4 U	0.071	0.043	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.14	0.11	0.23	0.4 U	0.055
Manganese	ug/L	310	330	290	31	32	27	94	97	87	340	330	18	18	19	3	27	150	120
Nickel	ug/L	0.19	0.18	3 U	0.45	0.31	0.25	1.2	1.4	1.3	7.5	7.5	4.5	4.5	4.6	0.48	0.68	7.1	6.8
Selenium	ug/L	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U
Silver	ug/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.038	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Thallium	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	ug/L	4 U	4 U	4 U	4 U	4 U	4 U	2.6	2.6	2.7	4 U	0.52	2.9	2.9	3.2	4 U	4 U	1.7	2
Zinc	ug/L	7 U	1.1	7 U	1.7	0.95	7 U	7 U	7 U	7 U	7 U	7 U	1.8	1.1	7 U	7 U	7 U	7 U	1.7

Notes:
deg-C = degress Celsius
mg/L = miligrams per liter, ug/L = micrograms per liter
mV = milivolts
mg N/L = miligrams of nitrogen per liter
NA = Monitoring Wells E2D and E4D were only sample
NTU = nepthelometric turbidity units
ORP = oxidation reduction potential
SU = Standard units
µS/cm = microSiemens per centimeter
U = not detected above reporting limit
— = analysis not performed

Table 2B. Field Parameter, General Chemistry, and Inorganic Results - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	NE1D		S11D	
	Units	23Q2	23Q4	23Q2	23Q4
Field Measurements					
Dissolved Oxygen	mg/L	1.97	2.6	0.88	0.86
ORP	mV	91.7	261.4	-89.5	118
pH	SU	7.32	7.45	7.59	7.59
Specific Conductivity	µS/cm	667	644	900	881
Temperature	deg-C	14.6	14.1	10.2	9.9
Turbidity	NTU	4.48	4.11	4.86	4.43
General Chemistry					
Alkalinity, Total	mg/L	250	250	380	340
Alkalinity, Bicarbonate	mg/L	7 U	250	380	340
Ammonia	mg-N/L	0.075 U	0.075 U	0.095	0.069
Calcium	mg/L	57	57	73	71
Chemical Oxygen Demand	mg/L	10 U	10 U	10 U	10 U
Chloride	mg/L	39	35	77	71
Fluoride	mg/L	0.2 U	0.16	0.2 U	0.22
Magnesium	mg/L	34	37	53	54
Potassium	mg/L	5.7	5.9	7.5	6.9
Sodium	mg/L	25	26	35	35
Sulfate	mg/L	38	39	32	33
Total Dissolved Solids	mg/L	590	540	830	530
Total Nitrate/Nitrite	mg-N/L	0.1 U	0.1 U	0.1 U	0.1 U
Total Organic Carbon	mg/L	0.52	0.79	1.7	2.1
Metals					
Antimony	ug/L	0.21	0.21	0.8 U	0.28
Arsenic	ug/L	7.6	7.1	7.7	7.3
Barium	ug/L	16	16	40	41
Beryllium	ug/L	0.4 U	0.4 U	0.4 U	0.4 U
Cadmium	ug/L	0.4 U	0.4 U	0.4 U	0.4 U
Chromium	ug/L	0.48	0.4	0.37	0.32
Cobalt	ug/L	0.15	0.088	0.082	0.05
Copper	ug/L	2 U	2 U	2 U	0.66
Iron	ug/L	300 U	64	170	350
Lead	ug/L	0.4 U	0.4 U	0.4 U	0.056
Manganese	ug/L	8	8	170	150
Nickel	ug/L	1.7	1.3	0.79	0.62
Selenium	ug/L	8 U	8 U	8 U	8 U
Silver	ug/L	0.4 U	0.4 U	0.4 U	0.4 U
Thallium	ug/L	1 U	1 U	1 U	0.029
Vanadium	ug/L	1.4	1.3	4 U	0.47
Zinc	ug/L	7 U	7 U	7 U	7 U

Notes:
deg-C = degress Celsius
mg/L = miligrams per liter, ug/L = micrograms per liter
mV = milivolts
mg N/L = miligrams of nitrogen per liter
NA = Monitoring Wells E2D and E4D were only sample
NTU = nepthelometric turbidity units
ORP = oxidation reduction potential
SU = Standard units
µS/cm = microSiemens per centimeter
U = not detected above reporting limit
— = analysis not performed

Table 2C. Field Parameter, General Chemistry, and Inorganic Results - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	DNR			DOT		WR1		
	Units	23Q2	23Q3	23Q4	23Q2	23Q4	23Q2	23Q3	23Q4
Field Measurements									
Dissolved Oxygen	mg/L	4.39	3.54	4.79	4.56	4.02	6.35	7.21	5.42
ORP	mV	183.7	51.7	82.9	-47.1	129.2	-18.2	342.8	2.3
pH	SU	7.48	7.74	7.45	7.6	6.24	8.17	6.25	7.34
Specific Conductivity	µS/cm	891	794	817	735	689	883	301	809
Temperature	deg-C	11.1	14.5	9.6	11.3	10.1	11.8	14.2	10.1
Turbidity	NTU	0.99	0.6	0.6	1.65	0.34	1.22	1.72	0.43
General Chemistry									
Alkalinity, Total	mg/L	290	370	300	320	340	300	350	330
Alkalinity, Bicarbonate	mg/L	290	370	300	320	340	300	350	330
Ammonia	mg-N/L	0.075 U	0.056	0.075 U	0.046	0.04	0.29	0.046	0.075 U
Calcium	mg/L	83	73	82	65	66	82	89	81
Chemical Oxygen Demand	mg/L	10 U	10 U	10 U	21	10 U	10 U	10 U	10 U
Chloride	mg/L	68	12	62	25	22	59	32	53
Fluoride	mg/L	0.2 U	0.3	0.24	0.2 U	0.043	0.2 U	0.26	0.2
Magnesium	mg/L	46	51	50	44	47	48	53	49
Potassium	mg/L	5.6	7.1	5.5	6.5	6.6	5.6	6	5.7
Sodium	mg/L	29	28	29	25	26	33	35	33
Sulfate	mg/L	58	25	60	24	26	47	46	48
Total Dissolved Solids	mg/L	640	410	670	670	420	740	560	470
Total Nitrate/Nitrite	mg-N/L	0.33	0.4 U	0.34	0.1 U	0.1 U	1.5	1.9	1.8
Total Organic Carbon	mg/L	1.7	1.0	2.1	0.75	0.97	1.4	1.6	1.6
Metals									
Antimony	ug/L	0.19	0.8 U	0.24	0.8 U	0.8 U	0.18	0.33	0.16
Arsenic	ug/L	3.7	7.1	3.3	6.0	6.7	3.8	2.9	3.2
Barium	ug/L	19	30	20	26	32	22	23	23
Beryllium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.12	0.2 U
Chromium	ug/L	4	0.3	2.2	0.17	0.17	1.2	2.2	1.9
Cobalt	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.054	0.063	0.2 U
Copper	ug/L	6.0	0.6	5.5	1.8	1.3	18	130	29
Iron	ug/L	100 U	420	110	770	580	100 U	210	150
Lead	ug/L	0.15	0.051	0.092	0.096	0.04	2.7	6	0.11
Manganese	ug/L	20 U	190	20 U	180	180	12	20 U	20 U
Nickel	ug/L	1.4	0.17	1.1	0.1 U	0.1 U	2.2	15	1.5
Selenium	ug/L	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U
Silver	ug/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.028	0.4 U
Thallium	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	0.16	1 U
Vanadium	ug/L	5.9	4 U	6.1	4 U	4 U	2.4	2.5	2.7
Zinc	ug/L	18	79	9	55	47	42	580	13

Notes:
deg-C = degress Celsius
mg/L = milligrams per liter, ug/L = micrograms per liter
mV = millivolts
mg N/L = milligrams of nitrogen per liter
ORP = oxidation reduction potential
SU = Standard units
µS/cm = microSiemens per centimeter
NTU = nepthelometric turbidity units
U = not detected above reporting limit
— = analysis not performed

Table 3A. Volatile Organic Compound Results - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	E1D		E2S		E4S		N2S		N3S		NE1S		S10S		S11S	
	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4	23Q2	23Q4
1,1 - Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.24	0.19	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1 - Dichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1 - Trichloroethane	0.2 U	0.025	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.27	0.2 U	0.2 U	0.2 U	0.2 U	0.41	0.33	0.2 U	0.2 U
1,1,1,2 - Tetrachloroethane	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1,2 - Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2 - Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2 - Dibromoethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2 - Dichlorobenzene (ortho)	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.042	0.3 U
1,2 - Dichloroethane	0.2 U	0.065	0.2 U	0.069	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.076
1,2 - Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3 - Trichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-Chloropropane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4 - Dichlorobenzene (para)	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1	0.071	0.2 U	0.2 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis - 1,2 - Dichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis - 1,3 - Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl Iodide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.085	0.5 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m, p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans - 1,2 - Dichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans - 1,3 - Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans - 1,4 - Dichloro-2-Butene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	2.6	2.4	0.5 U	0.5 U	3.4	2.8	1.1	0.99	0.5 U	0.5 U	3.8	3.4	0.5 U	0.5 U
Vinyl acetate	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	0.085	0.075	0.025	0.02 U	0.02 U	0.02 U	0.044	0.011	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Notes:

All concentrations presented in micrograms per liter (µg/L)

* = Data qualified by laboratory

U = not detected above reporting limit

Table 3B. Volatile Organic Compound Results - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

[illegible]

Notes:
(µg/L)
U = not detected above reporting

Table 3C. Volatile Organic Compound Results - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	DNR			DOT		WR1		
	23Q2	23Q3	23Q4	23Q2	23Q4	23Q2	23Q3	23Q4
1,1,1,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2 - Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichloropropane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dibromo-3-Chloropropane	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dibromoethane (EDB)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene (ortho)	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene (para)	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.035	0.2 U
Bromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.2 U	0.2 U	0.14	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m, p-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Iodide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.31	0.2 U
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,4-Dichloro-2-Butene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

Notes:
All concentrations presented in micrograms per liter (µg/L)
U = not detected above reporting limit

Table 4. Volatile Organic Compound Detections
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Well Name	Aquifer	Date Sampled	Result
1,1,1-Trichloroethane	E1D	1	10/24/2023	0.025
	E2D	2	7/27/2023	0.44
			10/25/2023	0.37
	N2D	2	10/24/2023	0.03
	N2S	1	10/24/2023	0.27
	S10S	1	4/27/2023	0.41
1,1-Dichloroethane			10/25/2023	0.33
			4/26/2023	0.2
	E2D	2	7/27/2023	0.20
			10/25/2023	0.19
	E7D	2	10/26/2023	0.04
	N2D	2	4/25/2023	0.02
1,2-Dichlorobenzene (ortho)			10/24/2023	0.05
	N2S	1	4/25/2023	0.24
	N5D	2	10/25/2023	0.19
1,2-Dichloroethane	S11S	1	10/25/2023	0.02
			4/27/2023	0.04
	E1D	1	10/24/2023	0.065
	E2S	1	10/25/2023	0.069
	E3D	2	10/25/2023	0.068
	E6D	2	10/25/2023	0.075
Acetone	NE1D	2	10/24/2023	0.055
	S11S	1	10/25/2023	0.076
Benzene	E7D	2	4/28/2023	3.1
	E2D	2	7/27/2023	0.064
	E6D	2	7/27/2023	0.058
	N2D	2	7/27/2023	0.084
Chloroethane	WR1	2	7/27/2023	0.035
	E2D	2	7/27/2023	0.12
			10/25/2023	0.32
Chloroform			4/27/2023	0.10
	S10S	1	10/25/2023	0.071
Chloromethane	DNR	2	10/26/2023	0.14
Methyl Iodide	N1D	2	10/24/2023	0.2
	S11S	1	4/27/2023	0.085
	E2D	2	7/27/2023	0.360
Toluene	E5D	2	7/27/2023	0.051
	E6D	2	7/27/2023	0.140
			4/28/2023	0.061
	E7D	2	7/27/2023	0.340
			10/26/2023	0.085
	N2D	2	7/27/2023	0.350
	WR1	2	7/27/2023	0.310
			4/26/2023	1.9
Trichlorofluoromethane	E2D	2	7/27/2023	2.3
			10/25/2023	2.2
	E2S	1	4/26/2023	2.6
			10/25/2023	2.4
	E7D	2	4/28/2023	2.8
			7/27/2023	3.2
			10/26/2023	2.2
	N2D	2	4/25/2023	0.65
			7/27/2023	0.49
			10/24/2023	0.59
	N2S	1	4/25/2023	3.4
			10/24/2023	2.8
Vinyl chloride	N3S	1	4/25/2023	1.1
			4/25/2023	0.99
	S10S	1	4/27/2023	3.8
			10/25/2023	3.4
	E1D	1	4/27/2023	0.085
			10/24/2023	0.075
	E2D	2	4/26/2023	9.7
			7/27/2023	13
			10/25/2023	9.8
	E2S	1	4/26/2023	0.025
			10/25/2023	0.023
	E4D	2	10/15/2023	0.0098
	E6D	2	7/27/2023	0.010
			10/25/2023	0.024
	N2D	2	7/27/2023	0.0078
			10/25/2023	0.012
	N2S	1	4/25/2023	0.044

Table 5. WAC 173-200 and Federal MCL Exceedences
2022 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
Field Measurements							
Specific Conductivity (µS/cm)	-	-	700 ^a	DNR	2	Q2 Q3 Q4	891 794 817
				DOT	2	Q2	735
				E10D	2	Q2 Q3 Q4	929 1,010 962
				E1D	1	Q2 Q4	1,670 1,677
				E1S	1	Q2 Q4	1,163 1,123
				E2D	2	Q2 Q3 Q4	1,411 1,436 1,369
				E2S	1	Q2 Q4	1,229 1,123
				E3D	2	Q2 Q4	730 723
				E4S	1	Q2 Q4	1,428 1,162
				E5D	2	Q2 Q3 Q4	1,655 1,474 1,392
				E6D	2	Q2 Q3 Q4	751 771 755
				E7D	2	Q4	1,240
				N1D	2	Q2 Q4	1,425 1,400
				N2D	2	Q2 Q3 Q4	1,189 1,248 1,180
				N2S	1	Q2 Q4	1,372 1,301
				N3S	1	Q2 Q4	1,029 1,004
				N5D	2	Q2 Q4	1,402 1,359
				NE1S	1	Q2 Q4	930 900
				S10S	1	Q2 Q4	1,172 1,138
				S11D	2	Q2 Q4	900 881
				S11S	1	Q2 Q4	894 880
				WR1	2	Q2 Q4	883 809
General Chemistry							
Total Dissolved Solids (mg/L)	500			DNR	2	Q2 Q4	640 670
				DOT	2	Q1	670
				E10D	2	Q2 Q3 Q4	720 570 570
				E1D	1	Q2 Q4	1,100 1,000
				E2D	2	Q2 Q4	670 810

Table 5. WAC 173-200 and Federal MCL Exceedences
2022 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result				
	WAC 173-200	Primary MCL	Secondary MCL								
Total Dissolved Solids (mg/L) (cont.)	500			E2S	1	Q2 Q4	790 640				
				E4S	1	Q2 Q4	720 780				
				E5D	2	Q2 Q3 Q4	920 880 910				
				E6D	2	Q2	520				
				E8D	2	Q1	670				
				N1D	2	Q2 Q4	980 900				
				N2D	2	Q2 Q3 Q4	740 670 750				
				N2S	1	Q2 Q4	860 860				
				N3D	2	Q2 Q4	730 680				
				N3S	1	Q2 Q4	680 530				
				N5D	2	Q2 Q4	830 790				
				NE1S	1	Q2 Q4	620 720				
				NE1D	2	Q2 Q4	590 540				
				S10S	1	Q2 Q4	770 640				
				S11D	2	Q2 Q4	830 530				
				S11S	1	Q2 Q4	550 480				
				WR1	2	Q2	670				
				Total Nitrate/Nitrite (mg/L)	10	10	-	E1S	1	Q2 Q4	30 15
								E2S	1	Q2	16
E2D	2	Q2 Q4	16 15								
E4S	1	Q2	13								
S10S	1	Q2 Q4	35 18								
Metals											
Arsenic (µg/L)	0.05	10	-	DNR	2	Q2 Q3 Q4	3.7 7.1 3.3				
				DOT	2	Q2 Q4	6.0 6.7				
				E10D	2	Q2 Q3 Q4	6.5 6.6 6.6				
				E1D	1	Q2 Q4	15.0 5.4				
				E2D	2	Q2 Q4	1.7 1.7				

Table 5. WAC 173-200 and Federal MCL Exceedences
2022 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
Arsenic (µg/L) (cont.)	0.05	10	-	E2S	1	Q2 Q4	1.4 1.3
				E3D	2	Q2 Q4	6.2 5.9
				E4D	2	Q2 Q4	16.0 17.0
				E4S	1	Q2 Q4	2.3 2.5
				E5D	2	Q2 Q3 Q4	6.1 6.2 6.2
				E6D	2	Q3 Q4	1.7 1.9
				E7D	2	Q2 Q3 Q4	0.6 1.1 1.3
				E8D	2	Q2 Q3 Q4	5.0 5.1 5.0
				E9D	2	Q2 Q3 Q4	21 22 21
				N1D	2	Q2 Q4	4.9 5.0
				N2D	2	Q2 Q3 Q4	2.9 3.0 2.9
				N2S	1	Q2 Q4	1.2 1.2
				N3D	2	Q2 Q4	7.9 8.3
				N3S	1	Q2 Q4	2.2 2.3
				N5D	2	Q2 Q4	3.0 3.0
				NE1D	2	Q2 Q4	7.6 7.1
				NE1S	1	Q2 Q4	2.2 2.0
				S10S	1	Q2 Q4	2.2 2.0
				S11D	2	Q2 Q4	7.7 7.3
				S11S	1	Q2 Q4	5.8 5.4
				WR1	2	Q2 Q3 Q4	3.8 2.9 3.2

Table 5. WAC 173-200 and Federal MCL Exceedences
2022 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
Iron (µg/L)	300	-	300	DOT	2	Q2	770
						Q4	580
				DNR	2	Q3	420
				E10D	2	Q2	880
						Q3	840
						Q4	890
				E1D	1	Q4	840
				E5D	2	Q2	1,600
						Q3	1,800
						Q4	2,200
Manganese (µg/L)	50	-	50	E6D	2	Q2	1,200
						Q3	1,600
						Q4	1,800
				E8D	2	Q2	1,300
						Q3	1,300
						Q4	1,200
				N1D	2	Q2	340
						Q4	330
				DOT	2	Q2	180
						Q4	180
				DNR	2	Q3	190
				E10D	2	Q2	94
						Q3	97
						Q4	87
				E1D	1	Q2	59
						Q4	52
				E2S	1	Q2	470
						Q4	430
				E2D	2	Q2	59
						Q4	53
				E3D	2	Q2	290
						Q4	230
				E4D	2	Q2	86
						Q4	81
				E5D	2	Q2	320
						Q3	340
						Q4	320
				E6D	2	Q2	590
						Q3	610
						Q4	530
				E7D	2	Q3	87
						Q4	140
				E8D	2	Q2	140
						Q3	310
						Q4	330
				N1D	2	Q2	340
						Q4	330
				N5D	2	Q2	150
						Q4	120
				S11D	2	Q2	170
						Q4	150
				S11S	1	Q2	200

Table 5. WAC 173-200 and Federal MCL Exceedences
2022 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
Volatile Organic Compounds							
Vinyl Chloride (µg/L)	0.02	2	-	E1D	1	Q2 Q4	0.085 0.075
				E2D	2	Q2 Q3 Q4	9.7 13.0 9.8
				E2S	1	Q2	0.025
				N2S	1	Q2	0.044

Notes:

^a = WAC 246-290-310 standard

mg/L = milligrams per liter

µg/L = micrograms per liter

MCL = Federal Maximum Contaminant Level

WSW = Water Supply Well

Aquifer 3 = locally perched zone not part of main Aquifers 1 or 2.

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)									Long Term Statistics (1985-2022)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Specific Conductivity (µS/cm)	1	E1D	3	0	1670	1762	1703	N/A	N/A	N/A	N/A	133	0	163	2490	1322.8	3151	6.127	0	increasing
	1	E1S	4	0	1068	1172	1131.5	-2	-0.34	36.71	no trend	135	0	421	2080	1196.9	979	1.86	3.14	no trend
	1	E2S	4	0	1123	1345	1233.5	-6	-1.7	4.47	no trend	133	0	420	1630	1121.6	3764	7.319	0	increasing
	1	E4S	4	0	1162	1428	1241.3	0	0	50	no trend	50	0	549.7	1428	1098.1	481	4.015	0	increasing
	1	N2S	4	0	1301	1372	1334.8	0	0	50	no trend	64	0	159	1900	1399.9	-393	-2.271	1.16	no trend
	1	N3S	4	0	650	1029	921.8	1	0	50	no trend	133	0	119	1365	848.7	5002	9.727	0	increasing
	1	NE1S	4	0	869	930	904.8	0	0	50	no trend	72	0	436	1007	820.5	454	2.202	1.38	no trend
	1	S10S	4	0	1104	1172	1132	4	1.019	15.41	no trend	74	0	665	2400	1486.6	-1506	-7.024	0	decreasing
	1	S11S	4	0	874	937	896.3	-2	-0.34	36.71	no trend	69	0	458.7	1033	874.5	460	2.377	0.87	increasing
	2	E2D	7	0	1349	1441	1397.9	0	0	50	no trend	145	0	180	2280	1210.7	3294	5.629	0	increasing
	2	E3D	4	0	721	730	723.8	3	0.722	23.51	no trend	79	0	375.2	846	712.6	1234	5.22	0	increasing
	2	E4D	7	0	524	630	552.9	8	1.051	14.66	no trend	63	0	431	933	574.6	-415	-2.456	0.7	decreasing
	2	E5D	7	0	13.9	1655	1179	9	1.202	11.48	no trend	27	0	13.9	1655	1229.3	181	3.752	0.01	increasing
	2	E6D	7	0	683	771	729.9	17	2.403	0.81	increasing	27	0	615	771	685.3	157	3.252	0.06	increasing
	2	E7D	7	0	282.2	1964	1366.5	-13	-1.8	3.58	no trend	27	0	282.2	2032	1712.6	108	2.231	1.28	no trend
	2	E8D	7	0	541	601	569.4	-3	-0.3	38.2	no trend	27	0	523	601	569.1	2	0.021	49.17	no trend
	2	E9D	7	0	514	556	538.7	-1	0	50	no trend	27	0	511	568	544.3	-7	-0.125	45.02	no trend
	2	E10D	7	0	914	1011	975.7	-1	0	50	no trend	27	0	914	1030	976.8	98	2.023	2.16	no trend
	2	N1D	4	0	1369	1425	1400	0	0	50	no trend	134	0	152	1850	1236.3	4312	8.292	0	increasing
	2	N2D	7	0	1142	1248	1185	7	0.901	18.38	no trend	150	0	122	1516	947.2	7584	12.32	0	increasing
	2	N3D	4	0	638	980	739.5	2	0.34	36.71	no trend	133	0	371	980	554	5311	10.33	0	increasing
	2	N5D	4	0	14.02	1442	1036.8	-2	-0.34	36.71	no trend	73	0	14.02	1630	1341.3	970	4.615	0	increasing
	2	NE1D	4	0	627	680	654.5	-2	-0.34	36.71	no trend	72	0	335.4	763	638.6	709	3.442	0.03	increasing
	2	S11D	4	0	877	946	901	-2	-0.34	36.71	no trend	71	0	468.1	1065	895.6	245	1.211	11.29	no trend
	WSW	DNR	7	0	794	895	859	-7	-0.9	18.38	no trend	89	0	601	969	817	1730	6.127	0	increasing
	WSW	DOT	4	0	689	766	728	-4	-1.02	15.41	no trend	118	0	388.4	780	592.1	4135	9.615	0	increasing
	WSW	WR1	7	0	30.1	902	752	-11	-1.5	6.66	no trend	88	0	30.1	911	797.6	2179	7.85	0	increasing

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)									Long Term Statistics (1985-2022)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Nitrate (mg/L)	1	E1D	3	1	0.088	0.11	0.0993	N/A	N/A	N/A	N/A	133	5	<0.000030	3.19	0.671	-3078	-5.985	0	decreasing
	1	E1S	4	0	14	30	18.25	3	0.722	23.51	no trend	135	1	<0.000030	30	4.95	3998	7.603	0	increasing
	1	E2S	4	0	5.5	16	8.68	2	0.34	36.71	no trend	132	15	<0.000030	16	2.03	-957	-1.881	3	no trend
	1	E4S	4	0	3.7	13	6.88	2	0.34	36.71	no trend	50	0	0.11	13	1.5	898	7.504	0	increasing
	1	N2S	4	0	6.5	9.4	7.55	2	0.34	36.71	no trend	65	4	<0.000030	9.4	2.72	243	1.37	8.53	no trend
	1	N3S	4	0	7.2	15	9.5	2	0.34	36.71	no trend	133	5	<0.2	15	2.89	6771	13.17	0	increasing
	1	NE1S	4	0	7.1	16	9.8	-2	-0.34	36.71	no trend	72	0	0.03	16	5.55	1448	7.034	0	increasing
	1	S10S	4	0	18	35	24.25	-1	0	50	no trend	74	0	0.02	86	33.85	-61	-0.28	38.98	no trend
	1	S11S	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	69	51	<0.00070	0.19	0.02526	-617	-3.192	0.07	decreasing
	2	E2D	4	0	11	16	13.25	3	0.722	23.51	no trend	130	11	<0.00070	16	1.567	1721	3.462	0.03	increasing
	2	E3D	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	79	24	<0.000030	0.55	0.03046	-1275	-5.395	0	decreasing
	2	E4D	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	50	49	<0.0028	0.16	0.0302	N/A	N/A	N/A	N/A
	2	E5D	7	7	<0.050	<0.4	0.0821	N/A	N/A	N/A	N/A	23	21	<0.050	0.89	0.1475	N/A	N/A	N/A	N/A
	2	E6D	7	7	<0.050	<0.4	0.0929	N/A	N/A	N/A	N/A	23	21	<0.050	2.9	0.2234	N/A	N/A	N/A	N/A
	2	E7D	7	1	<0.2	1.9	1.089	5	0.601	27.4	no trend	23	13	<0.0750	1.9	0.524	107	2.803	0.25	increasing
	2	E8D	7	7	<0.050	<0.4	0.0821	N/A	N/A	N/A	N/A	23	22	<0.050	0.47	0.0976	N/A	N/A	N/A	N/A
	2	E9D	7	7	<0.050	<0.4	0.0821	N/A	N/A	N/A	N/A	23	22	<0.050	0.47	0.0976	N/A	N/A	N/A	N/A
	2	E10D	7	7	<0.050	<0.4	0.0821	N/A	N/A	N/A	N/A	23	21	<0.050	0.6	0.121	N/A	N/A	N/A	N/A
	2	N1D	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	135	11	<0.000030	0.77	0.1036	-4643	-8.831	0	decreasing
	2	N2D	7	0	3.4	7.2	4.31	10	1.367	8.58	no trend	151	3	<0.000030	7.2	1.11	689	1.107	13.42	no trend
	2	N3D	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	132	15	<0.000030	0.7	0.0713	-3632	-7.143	0	decreasing
	2	N5D	4	2	0.056	<0.2	0.0788	-3	-0.72	23.51	no trend	73	50	<0.00070	0.91	0.03526	-459	-2.182	1.46	no trend
	2	NE1D	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	72	41	<0.00250	3.86	0.0863	912	4.43	0	increasing
	2	S11D	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	70	51	<0.00070	0.16	0.02474	-574	-2.906	0.18	decreasing
	WSW	DNR	7	4	<0.2	0.44	0.23	10	1.367	8.58	no trend	89	4	<0.000030	0.56	0.1032	-1478	-5.235	0	decreasing
	WSW	DOT	4	4	<0.050	<0.2	0.04375	N/A	N/A	N/A	N/A	119	22	<0.000030	0.3	0.0526	-2385	-5.476	0	decreasing
	WSW	WR1	7	0	1.5	1.9	1.7	6	0.751	22.64	no trend	88	6	<0.012	2.1	1.07	2135	7.691	0	increasing

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)									Long Term Statistics (1985-2022)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Sulfate (mg/L)	1	E1D	3	0	0.088	0.11	0.0993	N/A	N/A	N/A	N/A	133	0	<0.000030	3.19	0.671	3312	6.44	0	increasing
	1	E2S	4	0	5.5	16	8.68	-6	-1.7	4.47	no trend	132	0	<0.000030	16	2.03	4098	8.06	0	increasing
	1	E4S	4	0	3.7	13	6.88	2	0.34	36.71	no trend	50	0	0.11	13	1.5	779	6.509	0	increasing
	1	N2S	4	0	6.5	9.4	7.55	-6	-1.7	4.47	no trend	65	0	<0.000030	9.4	2.72	1005	5.684	0	increasing
	1	N3S	4	0	7.2	15	9.5	-1	0	50	no trend	133	0	<0.2	15	2.89	2169	4.217	0	increasing
	1	NE1S	4	0	7.1	16	9.8	2	0.34	36.71	no trend	72	1	0.03	16	5.55	226	1.094	13.7	no trend
	1	S10S	4	0	18	35	24.25	3	0.722	23.51	no trend	74	0	0.02	86	33.85	-843	-3.93	0	decreasing
	1	S11S	4	0	<0.050	<0.2	0.04375	0	0	50	no trend	69	0	<0.00070	0.19	0.02526	1246	6.45	0	increasing
	2	E2D	4	0	11	16	13.25	3	0.679	24.85	no trend	130	0	<0.00070	16	1.567	2994	6.024	0	increasing
	2	E3D	4	0	<0.050	<0.2	0.04375	-3	-0.72	23.51	no trend	79	0	<0.000030	0.55	0.03046	812	3.434	0.03	increasing
	2	E4D	4	0	<0.050	<0.2	0.04375	1	0	50	no trend	50	0	<0.0028	0.16	0.0302	-412	-3.439	0.03	decreasing
	2	E5D	7	0	<0.050	<0.4	0.0821	16	2.253	1.21	no trend	23	0	<0.050	0.89	0.1475	223	5.869	0	increasing
	2	E6D	7	0	<0.050	<0.4	0.0929	-5	-0.61	27.17	no trend	23	0	<0.050	2.9	0.2234	-174	-4.574	0	decreasing
	2	E7D	7	0	<0.2	1.9	1.089	-10	-1.35	8.82	no trend	23	0	<0.0750	1.9	0.524	84	2.194	1.41	no trend
	2	E8D	7	0	<0.050	<0.4	0.0821	-5	-0.61	27.17	no trend	23	0	<0.050	0.47	0.0976	-92	-2.409	0.8	decreasing
	2	E9D	7	0	<0.050	<0.4	0.0821	-2	-0.16	43.82	no trend	23	0	<0.050	0.47	0.0976	-111	-2.911	0.18	decreasing
	2	E10D	7	0	<0.050	<0.4	0.0821	9	1.215	11.21	no trend	23	0	<0.050	0.6	0.121	119	3.119	0.09	increasing
	2	N1D	4	0	<0.050	<0.2	0.04375	0	0	50	no trend	135	1	<0.000030	0.77	0.1036	7649	14.55	0	increasing
	2	N2D	7	0	3.4	7.2	4.31	1	0	50	no trend	151	0	<0.000030	7.2	1.11	8568	13.78	0	increasing
	2	N3D	4	0	<0.050	<0.2	0.04375	-3	-0.72	23.51	no trend	132	0	<0.000030	0.7	0.0713	5612	11.04	0	increasing
	2	N5D	4	0	0.056	<0.2	0.0788	4	1.019	15.41	no trend	73	0	<0.00070	0.91	0.03526	2406	11.45	0	increasing
	2	NE1D	4	0	<0.050	<0.2	0.04375	3	0.679	24.85	no trend	72	0	<0.00250	3.86	0.0863	1348	6.549	0	increasing
	2	S11D	4	0	<0.050	<0.2	0.04375	3	0.679	24.85	no trend	70	0	<0.00070	0.16	0.02474	656	3.321	0.04	increasing
	WSW	DNR	7	0	<0.2	0.44	0.23	2	0.15	44.03	no trend	89	0	<0.000030	0.56	0.1032	3171	11.24	0	increasing
	WSW	DOT	4	0	<0.050	<0.2	0.04375	5	1.445	7.43	no trend	119	0	<0.000030	0.3	0.0526	4363	10.02	0	increasing
	WSW	WR1	7	0	1.5	1.9	1.7	4	0.451	32.62	no trend	88	0	<0.012	2.1	1.07	118	0.422	33.66	no trend

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)									Long Term Statistics (1985-2022)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Total Dissolved Solids (mg/L)	1	E1D	3	0	1000	1100	1066.7	N/A	N/A	N/A	N/A	71	0	770	1600	1124.2	-1768	-8.771	0	decreasing
	1	E2S	4	0	640	1000	852.5	-4	-1.02	15.41	no trend	73	0	551	1000	794.7	274	1.3	9.68	no trend
	1	E4S	4	0	720	1100	835	-2	-0.34	36.71	no trend	50	0	510	1100	662.1	388	3.237	0.06	increasing
	1	N2S	4	0	720	860	812.5	5	1.445	7.43	no trend	43	0	610	1136	939.7	-693	-7.243	0	decreasing
	1	N3S	4	0	530	720	617.5	-2	-0.34	36.71	no trend	71	0	500	724	653.5	-168	-0.829	20.36	no trend
	1	NE1S	4	0	530	720	610	6	1.698	4.47	no trend	72	0	380	720	526	147	0.71	23.89	no trend
	1	S10S	4	0	640	850	732.5	-4	-1.02	15.41	no trend	74	0	620	1410	954.9	-1965	-9.166	0	decreasing
	1	S11S	4	0	480	890	660	-6	-1.7	4.47	no trend	69	0	440	890	522	-250	-1.29	9.86	no trend
	2	E2D	4	0	670	1000	840	-4	-1.02	15.41	no trend	73	0	452	1277	1071	-994	-4.729	0	decreasing
	2	E3D	4	0	340	590	432.5	-4	-1.02	15.41	no trend	73	0	320	590	414.3	413	1.962	2.49	no trend
	2	E4D	4	0	290	600	412.5	-2	-0.34	36.71	no trend	50	0	260	600	352.1	-651	-5.438	0	decreasing
	2	E5D	7	0	680	920	845.7	12	1.671	4.74	no trend	23	0	520	920	717.8	147	3.857	0.01	increasing
	2	E6D	7	0	370	680	461.4	3	0.3	38.2	no trend	23	0	290	680	377.8	97	2.536	0.56	increasing
	2	E7D	7	0	52	1800	966	-7	-0.9	18.38	no trend	23	0	52	1800	1104.4	82	2.142	1.61	no trend
	2	E8D	7	0	290	670	412.9	-2	-0.15	43.96	no trend	23	0	140	670	305.2	66	1.718	4.29	no trend
	2	E9D	7	0	220	370	291.4	8	1.051	14.66	no trend	23	0	120	370	254.3	38	0.978	16.42	no trend
	2	E10D	7	0	560	720	611.4	-4	-0.46	32.43	no trend	23	0	310	720	537	79	2.062	1.96	no trend
	2	N1D	4	0	770	1100	937.5	0	0	50	no trend	72	0	740	1100	927.2	-682	-3.311	0.05	decreasing
	2	N2D	7	0	640	750	700	12	1.652	4.93	no trend	84	0	403	767	678	285	1.097	13.63	no trend
	2	N3D	4	0	370	730	595	4	1.019	15.41	no trend	72	0	298	730	374.4	923	4.482	0	increasing
	2	N5D	4	0	590	830	760	-1	0	50	no trend	73	0	310	891	790.3	684	3.253	0.06	increasing
	2	NE1D	4	0	360	590	467.5	2	0.34	36.71	no trend	72	0	250	590	382.1	570	2.766	0.28	increasing
	2	S11D	4	0	510	830	645	0	0	50	no trend	70	0	440	830	535.5	-325	-1.643	5.02	no trend
	WSW	DNR	7	0	410	670	515.7	4	0.451	32.62	no trend	82	0	310	670	477.8	208	0.829	20.36	no trend
	WSW	DOT	4	0	420	670	542.5	-2	-0.34	36.71	no trend	73	0	190	670	379.8	1145	5.448	0	increasing
	WSW	WR1	7	0	470	740	575.7	1	0	50	no trend	73	0	360	740	481.9	262	1.243	10.69	no trend

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)									Long Term Statistics (1985-2022)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Arsenic, Total (µg/L)	1	E1D	3	0	0.0046	0.015	0.00833	N/A	N/A	N/A	N/A	118	5	0.0046	<200	9.48	-2712	-6.306	0	decreasing
	1	E2S	4	0	0.0013	0.0017	0.00145	-3	-0.68	24.85	no trend	121	6	0.0013	<200	10.09	-4842	-10.85	0	decreasing
	1	E4S	4	0	0.0023	0.0025	0.00243	1	0	50	no trend	50	1	0.0023	4	2.38	-153	-1.272	10.17	no trend
	1	N2S	4	0	0.0012	0.0015	0.00128	-1	0	50	no trend	58	25	0.0012	<20	1.074	142	0.946	17.21	no trend
	1	N3S	4	0	0.0022	0.0025	0.00233	-1	0	50	no trend	118	12	0.0022	<200	8.49	-2742	-6.376	0	decreasing
	1	NE1S	4	0	0.0022	0.0024	0.00233	-1	0	50	no trend	72	0	0.0022	6	2.71	-854	-4.148	0	decreasing
	1	S10S	4	0	0.002	0.0022	0.00208	1	0	50	no trend	74	5	0.002	3.6	1.85	331	1.54	6.17	no trend
	1	S11S	4	0	0.0054	0.0058	0.00563	0	0	50	no trend	69	0	0.0054	7	5.46	-677	-3.502	0.02	decreasing
	2	E2D	4	0	0.0015	0.002	0.00173	1	0	50	no trend	120	13	0.0015	<200	7.26	-2851	-6.465	0	decreasing
	2	E3D	4	0	0.0059	0.0063	0.00613	-2	-0.34	36.71	no trend	79	0	0.0059	10	6.26	-1046	-4.424	0	decreasing
	2	E4D	4	0	0.015	0.017	0.01575	5	1.445	7.43	no trend	50	0	0.015	26	15.78	-542	-4.527	0	decreasing
	2	E5D	7	0	0.0055	0.0064	0.00601	10	1.367	8.58	no trend	23	1	0.0055	7.4	4.02	-113	-2.96	0.15	decreasing
	2	E6D	7	0	0.0012	0.0019	0.0017	9	1.215	11.21	no trend	23	0	0.0012	1.6	0.953	-61	-1.587	5.62	no trend
	2	E7D	7	0	0.00058	0.0021	0.00161	-8	-1.06	14.38	no trend	23	0	0.00058	3.7	1.47	-143	-3.752	0.01	decreasing
	2	E8D	7	0	0.0048	0.0051	0.00493	10	1.352	8.82	no trend	23	0	0.0048	5.5	2.99	-35	-0.898	18.46	no trend
	2	E9D	7	0	0.02	0.022	0.02114	0	0	50	no trend	23	0	0.02	22	14.22	-65	-1.692	4.53	no trend
	2	E10D	7	0	0.0061	0.0067	0.0065	6	0.76	22.38	no trend	23	0	0.0061	13	4.39	-52	-1.348	8.88	no trend
	2	N1D	4	0	0.0049	0.0056	0.00513	-3	-0.68	24.85	no trend	120	3	0.0049	<200	9.38	-3596	-8.155	0	decreasing
	2	N2D	7	0	0.0029	0.0032	0.00297	2	0.152	43.96	no trend	131	13	0.0029	<200	7.26	-3183	-6.331	0	decreasing
	2	N3D	4	0	0.0074	0.0083	0.0079	2	0.34	36.71	no trend	117	2	0.0074	<200	11.98	-2030	-4.78	0	decreasing
	2	N5D	4	0	0.003	0.0033	0.00313	-5	-1.45	7.43	no trend	73	0	0.003	9	3.9	-1283	-6.106	0	decreasing
	2	NE1D	4	0	0.0071	0.0077	0.00743	-4	-1.02	15.41	no trend	72	1	0.0071	9	6.46	389	1.887	2.96	no trend
	2	S11D	4	0	0.0073	0.0077	0.00745	-1	0	50	no trend	70	0	0.0073	9.6	7.38	-530	-2.682	0.37	decreasing
	WSW	DNR	7	0	0.0033	0.0071	0.00424	-4	-0.46	32.43	no trend	89	0	0.0033	12	5.08	-2066	-7.319	0	decreasing
	WSW	DOT	4	0	0.006	0.0067	0.00625	0	0	50	no trend	119	2	0.006	<200	10.4	-2820	-6.475	0	decreasing
	WSW	WR1	7	0	0.0022	0.0038	0.00317	2	0.15	44.03	no trend	88	16	0.0022	5	2.42	29	0.101	45.98	no trend

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)								Long Term Statistics (1985-2022)									
			Summary Statistics					Mann-Kendall Trend Analysis			Summary Statistics					Mann-Kendall Trend Analysis				
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Iron, Total (mg/L)	1	E1D	3	1	<0.150	7	2.64	N/A	N/A	N/A	N/A	133	63	163	2490	1322.8	-2828	-6.834	0	decreasing
	1	E2S	4	1	<0.150	0.27	0.1388	-4	-1.02	15.41	no trend	133	4	420	1630	1121.6	-4166	-9.688	0	decreasing
	1	E4S	4	1	0.068	0.22	0.1158	-2	-0.34	36.71	no trend	50	24	549.7	1428	1098.1	-519	-4.468	0	decreasing
	1	N2S	4	1	0.067	0.27	0.127	-2	-0.34	36.71	no trend	64	48	159	1900	1399.9	N/A	N/A	N/A	N/A
	1	N3S	4	1	0.054	0.2	0.103	-2	-0.34	36.71	no trend	133	37	119	1365	848.7	-3248	-7.849	0	decreasing
	1	NE1S	4	1	0.05	0.12	0.0805	-4	-1.02	15.41	no trend	72	37	436	1007	820.5	-1005	-4.882	0	decreasing
	1	S10S	4	1	<0.150	0.12	0.0903	-4	-1.02	15.41	no trend	74	31	665	2400	1486.6	-1408	-6.568	0	decreasing
	1	S11S	4	1	<0.150	0.16	0.1263	-2	-0.34	36.71	no trend	69	18	458.7	1033	874.5	849	4.393	0	increasing
	2	E2D	4	1	0.063	0.25	0.122	-2	-0.34	36.71	no trend	145	57	180	2280	1210.7	-3267	-7.999	0	decreasing
	2	E3D	4	2	<0.050	<0.150	0.0528	-2	-0.34	36.71	no trend	79	34	375.2	846	712.6	-1580	-6.814	0	decreasing
	2	E4D	4	1	<0.150	0.49	0.254	-2	-0.34	36.71	no trend	63	17	431	933	574.6	-627	-5.238	0	decreasing
	2	E5D	7	0	1.7	2.5	2.07	10	1.352	8.82	no trend	27	0	13.9	1655	1229.3	134	3.515	0.02	increasing
	2	E6D	7	0	1.2	2.2	1.743	15	2.127	1.67	no trend	27	0	615	771	685.3	200	5.259	0	increasing
	2	E7D	7	3	<0.150	0.53	0.208	6	0.76	22.38	no trend	27	17	282.2	2032	1712.6	6	0.132	44.74	no trend
	2	E8D	7	0	1.1	1.5	1.329	1	0	50	no trend	27	0	523	601	569.1	-30	-0.767	22.16	no trend
	2	E9D	7	3	<0.150	0.22	0.1293	-4	-0.46	32.43	no trend	27	19	511	568	544.3	N/A	N/A	N/A	N/A
	2	E10D	7	0	0.84	1	0.92	-5	-0.6	27.4	no trend	27	1	914	1030	976.8	-136	-3.567	0.02	decreasing
	2	N1D	4	0	0.29	0.41	0.355	2	0.34	36.71	no trend	134	1	152	1850	1236.3	-1066	-2.509	0.61	decreasing
	2	N2D	7	3	0.051	0.18	0.0884	-6	-0.76	22.38	no trend	150	60	122	1516	947.2	-3603	-7.507	0	decreasing
	2	N3D	4	1	<0.150	0.29	0.1788	4	1.019	15.41	no trend	133	1	371	980	554	-2820	-6.904	0	decreasing
	2	N5D	4	1	0.047	0.12	0.081	-4	-1.02	15.41	no trend	73	44	14.02	1630	1341.3	-873	-4.154	0	decreasing
	2	NE1D	4	2	<0.050	<0.150	0.0563	0	0	50	no trend	72	17	335.4	763	638.6	-1283	-6.233	0	decreasing
	2	S11D	4	1	<0.150	0.41	0.311	1	0	50	no trend	71	16	468.1	1065	895.6	-755	-3.823	0.01	decreasing
	WSW	DNR	7	3	<0.150	0.42	0.1793	6	0.76	22.38	no trend	89	19	601	969	817	-951	-3.367	0.04	decreasing
	WSW	DOT	4	0	0.58	1.3	0.853	0	0	50	no trend	118	8	388.4	780	592.1	1059	2.525	0.58	increasing
	WSW	WR1	7	4	<0.050	0.23	0.12	3	0.304	38.06	no trend	88	23	30.1	911	797.6	-1599	-5.76	0	decreasing

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)									Long Term Statistics (1985-2022)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Manganese, Total (mg/L)	1	E1D	3	0	0.05	0.059	0.0537	N/A	N/A	N/A	N/A	115	3	<0.0010	7	0.159	1743	4.211	0	increasing
	1	E2S	4	0	0.43	0.54	0.4875	-6	-1.7	4.47	no trend	118	1	<0.00130	23	2.585	-1452	-3.375	0.04	decreasing
	1	E4S	4	4	<0.010	<0.02	0.0075	N/A	N/A	N/A	N/A	49	3	<0.0010	0.22	0.0433	-781	-6.528	0	decreasing
	1	N2S	4	4	<0.010	<0.02	0.0075	N/A	N/A	N/A	N/A	56	16	<0.002	3.6	0.1075	-353	-2.488	0.64	decreasing
	1	N3S	4	4	<0.010	<0.02	0.0075	N/A	N/A	N/A	N/A	115	16	<0.0010	16	1.119	-3309	-7.996	0	decreasing
	1	NE1S	4	4	<0.010	<0.02	0.0075	N/A	N/A	N/A	N/A	72	16	<0.0010	0.22	0.0449	-1484	-7.211	0	decreasing
	1	S10S	4	4	<0.010	<0.02	0.0075	N/A	N/A	N/A	N/A	74	12	<0.0010	2.05	0.134	-2304	-10.75	0	decreasing
	1	S11S	4	0	0.17	0.2	0.19	-3	-0.68	24.85	no trend	69	0	<0.002	0.25	0.1146	816	4.222	0	increasing
	2	E2D	4	0	0.05	0.059	0.0545	2	0.34	36.71	no trend	114	23	<0.0010	23	0.298	2975	7.189	0	increasing
	2	E3D	4	0	0.17	0.3	0.2475	0	0	50	no trend	78	0	<0.0010	0.3	0.0474	933	4.021	0	increasing
	2	E4D	4	0	0.081	0.096	0.0888	-4	-1.02	15.41	no trend	50	0	<0.150	3.41	0.65	-559	-4.668	0	decreasing
	2	E5D	7	0	0.3	0.34	0.32	6	0.76	22.38	no trend	23	0	1.4	2.5	1.874	166	4.361	0	increasing
	2	E6D	7	0	0.53	0.61	0.569	6	0.76	22.38	no trend	23	0	0.32	2.2	1.313	-130	-3.411	0.03	decreasing
	2	E7D	7	0	0.0026	0.75	0.441	-3	-0.3	38.2	no trend	23	0	<0.150	0.53	0.135	24	0.607	27.18	no trend
	2	E8D	7	0	0.29	0.33	0.307	7	0.901	18.38	no trend	23	0	1	1.6	1.326	-51	-1.321	9.32	no trend
	2	E9D	7	0	0.027	0.035	0.0317	-6	-0.76	22.38	no trend	23	0	<0.150	0.22	0.0915	-177	-4.65	0	decreasing
	2	E10D	7	0	0.08	0.097	0.0893	9	1.202	11.48	no trend	23	0	<0.150	1.5	1.002	-5	-0.106	45.79	no trend
	2	N1D	4	0	0.32	0.34	0.3275	3	0.722	23.51	no trend	117	0	<0.0012	2.77	0.467	4257	10.03	0	increasing
	2	N2D	7	4	<0.010	0.019	0.01143	11	1.537	6.22	no trend	127	37	<0.0012	1.85	0.0745	484	1.007	15.71	no trend
	2	N3D	4	1	0.0027	0.027	0.01618	0	0	50	no trend	114	1	<0.0012	2.04	0.328	-1695	-4.148	0	decreasing
	2	N5D	4	0	0.12	0.15	0.1375	-1	0	50	no trend	73	1	<0.0010	0.12	0.02945	833	3.962	0	increasing
	2	NE1D	4	2	<0.010	<0.02	0.0077	-4	-1.02	15.41	no trend	72	17	<0.0010	3.92	0.1662	-1648	-8.008	0	decreasing
	2	S11D	4	0	0.15	0.17	0.16	-1	0	50	no trend	70	0	<0.150	2.27	0.402	-265	-1.339	9.04	no trend
	WSW	DNR	7	6	<0.010	0.19	0.03286	N/A	N/A	N/A	N/A	89	21	<0.150	15.1	0.475	-942	-3.335	0.04	decreasing
	WSW	DOT	4	0	0.17	0.18	0.175	4	1.162	12.27	no trend	116	0	<0.010	1.3	0.283	1727	4.118	0	increasing
	WSW	WR1	7	6	<0.010	0.012	0.00814	N/A	N/A	N/A	N/A	88	15	<0.0012	2.13	0.115	-1690	-6.088	0	decreasing

Table 6. Short and Long Term Statistics for Select Parameters
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2021-2022)									Long Term Statistics (1985-2022)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean ^a	S	Z	Probability	Result
Vinyl Chloride (µg/L)	1	E1D	3	0	0.076	0.11	0.0903	N/A	N/A	N/A	N/A	82	15	<0.010	<3.0	0.371	-206	-0.821	20.59	no trend
	1	E2S	4	1	<0.010	0.034	0.02175	0	0	50	no trend	96	7	<0.010	2.98	0.905	-3108	-9.835	0	decreasing
	1	E4S	4	3	<0.010	<0.050	0.014	3	0.679	24.85	no trend	50	32	<0.00590	0.52	0.0555	343	2.862	0.21	increasing
	1	N2S	4	1	<0.010	0.044	0.02425	2	0.34	36.71	no trend	56	6	<0.010	7.9	2.33	-954	-6.736	0	decreasing
	1	N3S	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	89	80	<0.00590	<3.0	0.0958	N/A	N/A	N/A	N/A
	1	NE1S	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	72	68	<0.00590	0.26	0.02423	N/A	N/A	N/A	N/A
	1	S10S	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	74	20	<0.010	7.71	1.542	-2316	-10.81	0	decreasing
	1	S11S	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	69	65	<0.00590	0.26	0.0207	N/A	N/A	N/A	N/A
	2	E2D	7	0	9.7	17	13.93	-14	-1.98	2.41	no trend	100	7	<0.010	53.6	17.06	1673	4.98	0	increasing
	2	E3D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	79	72	<0.00590	0.26	0.03895	N/A	N/A	N/A	N/A
	2	E4D	7	6	<0.010	<0.10	0.01211	N/A	N/A	N/A	N/A	65	32	<0.010	0.26	0.03526	-1095	-6.195	0	decreasing
	2	E5D	7	7	<0.010	<0.10	0.0143	N/A	N/A	N/A	N/A	40	34	<0.00590	0.4	0.039	N/A	N/A	N/A	N/A
	2	E6D	7	3	<0.010	0.035	0.01457	7	0.911	18.1	no trend	40	15	<0.010	0.4	0.0519	-385	-4.476	0	decreasing
	2	E7D	7	3	<0.010	1.9	0.926	-9	-1.2	11.48	no trend	41	4	<0.010	18.1	4.985	-650	-7.29	0	decreasing
	2	E8D	7	7	<0.010	<0.10	0.0143	N/A	N/A	N/A	N/A	40	32	<0.00590	0.4	0.03625	-191	-2.216	1.34	no trend
	2	E9D	7	7	<0.010	<0.10	0.0143	N/A	N/A	N/A	N/A	28	28	<0.010	<0.10	0.00732	N/A	N/A	N/A	N/A
	2	E10D	7	7	<0.010	<0.10	0.0143	N/A	N/A	N/A	N/A	28	28	<0.010	<0.10	0.00732	N/A	N/A	N/A	N/A
	2	N1D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	85	78	<0.00590	<3.0	0.0994	N/A	N/A	N/A	N/A
	2	N2D	7	3	<0.010	0.025	0.01111	2	0.152	43.96	no trend	103	27	<0.010	<3.0	0.0978	-1189	-3.385	0.04	decreasing
	2	N3D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	83	77	<0.00590	<3.0	0.0814	N/A	N/A	N/A	N/A
	2	N5D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	73	22	<0.010	0.26	0.03134	-280	-1.329	9.2	no trend
	2	NE1D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	72	68	<0.00590	0.26	0.02423	N/A	N/A	N/A	N/A
	2	S11D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	71	67	<0.00590	0.26	0.0245	N/A	N/A	N/A	N/A
	WSW	DNR	7	7	<0.010	<0.10	0.0143	N/A	N/A	N/A	N/A	89	85	<0.00590	0.26	0.03764	N/A	N/A	N/A	N/A
	WSW	DOT	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	81	75	<0.00590	<3.0	0.0742	N/A	N/A	N/A	N/A
	WSW	WR1	7	7	<0.010	<0.10	0.0143	N/A	N/A	N/A	N/A	88	84	<0.00590	0.26	0.0609	N/A	N/A	N/A	N/A

Notes

^a Arithmetic Mean

µg/L = micrograms per liter

mg/L = milligrams per liter

N = number of samples

N/A = not applicable (insufficient sample size available, or calculation not applicable due to percent of non-detects)

With the exception of the 2 year event in 2020, E1S has only been sampled for field parameters and Nitrate beginning in 2018 in accordance with the site sampling and analysis plan.

therefore it is not listed in Table 6 for parameters that were not analyzed.

Mann-Kendall Analysis for Short Term Statistics required a minimum of four samples in order to assess.

Mann-Kendall Analysis for Long Term Statistics required a minimum of eight samples in order to assess.

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-BL-LG	4/18/2023 11:00	41.4	17.8	0.3	40.5	46.2	-22.03	-22	4.27	94.5	94.4	
IC-BL-LG	6/6/2023 9:42	44.2	16.8	0.3	38.7	69.2	-20.61	-20.6	4.271	93.5	93.5	
IC-BL-LG	7/24/2023 11:27	44	19.9	0.3	35.8	65.6	-20.65	-20.65	4.38	94.1	92.6	
IC-BL-LG	9/12/2023 9:25	40.7	20	0.3	39	62.6	-21.09	-21.09	4.458	94.3	94.4	
IC-BL-LG	10/23/2023 12:44	52.3	19.9	0.1	27.7	51.8	-22.31	-22.33	4.196	94.9	94.9	
IC-BL-LG	10/23/2023 12:44	52.3	19.9	0.1	27.7	51.8	-22.31	-22.33	4.196	94.9	94.9	
IC-BL-LG	12/5/2023 8:58	54.4	18.5	0.1	27	51	-22.5	-22.5	4.107	96.3	96.4	
IC-BL-SV	4/18/2023 10:57	6.5	16.7	1.5	75.3	48.4	-24.38	-24.38	2.85	71.4	71.4	
IC-BL-SV	6/6/2023 9:40	6.9	14.1	1.5	77.5	71.9	-22.84	-22.86	3.049	72.9	72.9	
IC-BL-SV	7/24/2023 11:29	6.9	16.3	1	75.8	66.2	-22.34	-22.33	3.035	72.8	72.8	
IC-BL-SV	9/12/2023 9:27	5.3	15.5	1.3	77.9	64.2	-22.39	-22.38	3.148	74.2	73.1	
IC-BL-SV	10/23/2023 12:42	5.4	15.3	1.5	77.8	51.8	-23.55	-23.53	3.062	73.7	73.9	
IC-BL-SV	10/23/2023 12:42	5.4	15.3	1.5	77.8	51.8	-23.55	-23.53	3.062	73.7	73.9	
IC-BL-SV	12/5/2023 8:56	3.9	15.4	1.8	78.9	51.5	-26.03	-25.95	2.828	69.5	69.4	
IC-FL-IN	4/18/2023 11:06	41.3	17.9	0.3	40.5	52.5	1.87	1.87	0.309	97.2	97.4	
IC-FL-IN	6/6/2023 9:47	44.1	16.9	0.3	38.7	66.9	1.93	1.93	0.327	99.6	99.2	
IC-FL-IN	7/24/2023 11:49	43.5	19.7	0.1	36.7	72	1.95	1.97	0.3	94	92.7	
IC-FL-IN	9/12/2023 9:34	40.3	19.9	0.3	39.5	65.6	1.98	1.98	0.327	98	97.4	
IC-FL-IN	10/23/2023 12:50	52.2	19.9	0.1	27.8	53	1.9	1.9	0.318	100.5	100.9	
IC-FL-IN	10/23/2023 12:50	52.2	19.9	0.1	27.8	53	1.9	1.9	0.318	100.5	100.9	
IC-FL-IN	10/23/2023 12:51	51.5	19.5	0.2	28.8	53.6	1.93	1.93	0.281	94.5	96	
IC-FL-IN	10/23/2023 12:51	51.5	19.5	0.2	28.8	53.6	1.93	1.93	0.281	94.5	96	
IC-FL-IN	12/5/2023 9:04	54.1	18.5	0.1	27.3	52.9	1.82	1.82	0.325	102.6	103.1	
IC-GP11D	4/19/2023 9:40	0	0.9	0.3	98.8							
IC-GP11D	7/25/2023 9:25	0	1.7	19.6	78.7							
IC-GP11S	4/19/2023 9:39	0	0.3	3.7	96							
IC-GP11S	7/25/2023 9:24	0	1.7	19.7	78.6							
IC-GP13D	4/18/2023 11:30	0	0.9	19.8	79.3							
IC-GP13D	7/24/2023 12:34	0	1.4	19.9	78.7							
IC-GP13S	4/18/2023 11:30	0	0.4	20.4	79.2							
IC-GP13S	7/24/2023 12:33	0.1	1.2	20.8	77.9							
IC-GP15D	4/18/2023 8:30	0	5.4	15.1	79.5							
IC-GP15D	6/6/2023 7:46	0	3	17.2	79.8							
IC-GP15D	7/24/2023 8:09	0.2	3.1	17.1	79.6							
IC-GP15D	9/12/2023 7:42	0	5.2	14.6	80.2							
IC-GP15D	12/5/2023 7:58	0.1	6.6	12.6	80.7							
IC-GP15S	4/18/2023 8:29	0	4.2	15.7	80.1							
IC-GP15S	6/6/2023 7:45	0	3	16.6	80.4							
IC-GP15S	7/24/2023 8:08	0.2	3.2	15.8	80.8							
IC-GP15S	9/12/2023 7:41	0	4.2	15.1	80.7							
IC-GP15S	12/5/2023 7:57	0.1	4	15.6	80.3							
IC-GP17D	4/18/2023 8:53	0	3.3	17.5	79.2							
IC-GP17D	6/6/2023 7:52	0	2.4	18.5	79.1							
IC-GP17D	7/24/2023 8:15	0.2	2.3	18.3	79.2							
IC-GP17D	9/12/2023 7:47	0	2.5	18.7	78.8							
IC-GP17D	12/5/2023 8:02	0	2.1	18.4	79.5							
IC-GP17S	4/18/2023 8:52	0	0.3	20.9	78.8							
IC-GP17S	6/6/2023 7:50	0	2.7	18.2	79.1							
IC-GP17S	7/24/2023 8:13	0.2	1.1	20.3	78.4							
IC-GP17S	9/12/2023 7:46	0	3	18.3	78.7							

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-GP17S	12/5/2023 8:01	0	0.4	20.1	79.5							
IC-GP-1D	4/19/2023 9:20	0	0.3	3.6	96.1							
IC-GP-1D	7/25/2023 12:19	0	0.2	19.8	80							
IC-GP-1D	10/24/2023 9:47	0	1.9	19.5	78.6							
IC-GP-1S	4/19/2023 9:19	0	0.2	17.7	82.1							
IC-GP-1S	7/25/2023 12:18	0	0.4	19.3	80.3							
IC-GP-1S	10/24/2023 9:46	0	1.3	20	78.7							
ICGP2018	4/18/2023 11:46	0	3	17.9	79.1							
ICGP2018	7/25/2023 9:42	0	3.7	17.9	78.4							
ICGP2038	4/18/2023 11:51	0	5.7	14.9	79.4							
ICGP2038	7/25/2023 9:46	0	5.7	15	79.3							
ICGP2058	4/18/2023 11:56	0	7.6	12.4	80							
ICGP2058	7/25/2023 9:52	0	7.5	12.6	79.9							
ICGP2078	4/18/2023 12:02	0	9.2	10.1	80.7							
ICGP2078	7/25/2023 9:56	0	8.7	10.5	80.8							
ICGP2098	4/18/2023 12:06	0	0.2	20.3	79.5							
ICGP2098	7/25/2023 10:03	0	0.1	20.9	79							
ICGP2118	4/18/2023 12:18	0	3.1	17.6	79.3							
ICGP2118	7/25/2023 10:15	0	2.4	19	78.6							
ICGP2118	10/24/2023 8:38	0	3.2	18.4	78.4							
ICGP2138	4/18/2023 12:25	0	3.6	17.5	78.9							
ICGP2138	7/25/2023 10:20	0	3.4	17.9	78.7							
ICGP2138	10/24/2023 8:38	0	3.8	17.6	78.6							
ICGP2158	4/18/2023 12:29	0	4.1	17	78.9							
ICGP2158	7/25/2023 10:25	0	4.1	16.9	79							
ICGP2158	10/24/2023 8:39	0	4.2	17	78.8							
ICGP2178	4/18/2023 12:32	0	3.2	18.1	78.7							
ICGP2178	7/25/2023 10:30	0	4.5	16.4	79.1							
ICGP2178	10/24/2023 8:42	0	3.5	17.9	78.6							
ICGP2198	4/18/2023 12:34	0	3.1	18.1	78.8							
ICGP2198	7/25/2023 10:34	0	4.4	16.4	79.2							
ICGP2198	10/24/2023 8:45	0	4.2	16.8	79							
IC-GP-22	4/18/2023 8:41	0	2.1	19.3	78.6							
IC-GP-22	7/24/2023 8:26	0	2.1	19	78.9							
IC-GP-22	10/24/2023 8:19	0	2.8	18.3	78.9							
ICGP2318	4/19/2023 9:51	0	1.2	19.2	79.6							
ICGP2318	7/25/2023 10:46	0	2.9	18.7	78.4							
ICGP2318	10/24/2023 8:57	0	3.2	18.3	78.5							
ICGP2338	4/19/2023 9:56	0	2.8	15.9	81.3							
ICGP2338	7/25/2023 10:50	0	2.9	18.7	78.4							
ICGP2338	10/24/2023 9:03	0	3.1	18.4	78.5							
ICGP2358	4/19/2023 10:01	0	2.6	13	84.4							
ICGP2358	7/25/2023 10:56	0	2.9	18.5	78.6							
ICGP2358	10/24/2023 9:07	0	3.1	18.2	78.7							
ICGP2378	4/19/2023 10:06	0	0.2	13.3	86.5							
ICGP2378	7/25/2023 11:02	0	0.1	20.9	79							
ICGP2378	10/24/2023 9:11	0	3.3	17.7	79							
ICGP2398	4/19/2023 10:09	0	2.7	11.8	85.5							
ICGP2398	7/25/2023 11:06	0	3	17.7	79.3							
ICGP2398	10/24/2023 9:16	0	3.3	17.8	78.9							

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
ICGP2418	4/19/2023 8:44	0	2.4	12.9	84.7							
ICGP2418	7/25/2023 11:50	0	3.1	17.6	79.3							
ICGP2418	10/24/2023 9:27	0	3.5	17.7	78.8							
ICGP2438	4/19/2023 9:05	0	1.4	3.7	94.9							
ICGP2438	7/25/2023 11:54	0	3.4	16.7	79.9							
ICGP2438	10/24/2023 9:31	0	4	16.7	79.3							
ICGP2458	4/19/2023 9:06	0	2.4	6.9	90.7							
ICGP2458	7/25/2023 12:03	0	3.9	15.7	80.4							
ICGP2458	10/24/2023 9:35	0	5.6	13.6	80.8							
ICGP2478	4/19/2023 9:09	0	1.7	5.2	93.1							
ICGP2478	7/25/2023 12:08	0	0.5	19.7	79.8							
ICGP2478	10/24/2023 9:39	0	5.2	14.5	80.3							
ICGP2498	4/19/2023 9:13	0	0.2	9.3	90.5							
ICGP2498	7/25/2023 12:14	0	0.1	19.9	80							
ICGP2498	10/24/2023 9:43	0	5.6	13.5	80.9							
ICGP2518	4/19/2023 8:10	0.1	7.5	9.4	83							
ICGP2518	7/25/2023 11:15	0	9.5	12	78.5							
ICGP2518	10/23/2023 13:06	0	9	13.1	77.9							
ICGP2518	10/23/2023 13:06	0	9	13.1	77.9							
ICGP2538	4/19/2023 8:13	0	5.6	15.3	79.1							
ICGP2538	7/25/2023 11:19	0	6.2	14.3	79.5							
ICGP2538	10/23/2023 13:12	0	7.1	13.8	79.1							
ICGP2538	10/23/2023 13:12	0	7.1	13.8	79.1							
ICGP2558	4/19/2023 8:20	0	6.1	7.2	86.7							
ICGP2558	7/25/2023 11:26	0	5.6	14.9	79.5							
ICGP2558	10/23/2023 13:20	0	5.7	14.5	79.8							
ICGP2558	10/23/2023 13:20	0	5.7	14.5	79.8							
ICGP2578	4/19/2023 8:24	0	6.3	6	87.7							
ICGP2578	7/25/2023 11:30	0	5.8	14.7	79.5							
ICGP2578	10/23/2023 13:25	0	5.6	14.6	79.8							
ICGP2578	10/23/2023 13:25	0	5.6	14.6	79.8							
ICGP2598	4/19/2023 8:28	0	0.4	3.5	96.1							
ICGP2598	7/25/2023 11:36	0	2.7	18.2	79.1							
ICGP2598	10/23/2023 13:31	0	5.4	14.6	80							
ICGP2598	10/23/2023 13:31	0	5.4	14.6	80							
ICGP2618	4/18/2023 11:16	0.1	3.9	16	80							
ICGP2618	7/24/2023 12:42	0	4.1	16.1	79.8							
ICGP2638	4/18/2023 11:21	0	2.2	18.2	79.6							
ICGP2638	7/24/2023 12:46	0	3	17.9	79.1							
ICGP2658	4/18/2023 11:26	0	3.6	15	81.4							
ICGP2658	7/24/2023 12:49	0	3.4	15.3	81.3							
IC-GP-27	4/18/2023 11:40	0	9.1	10.8	80.1							
IC-GP-27	7/25/2023 9:34	0	8.1	11.2	80.7							
IC-GP-28	4/18/2023 12:12	0	7	12.7	80.3							
IC-GP-28	7/25/2023 10:07	0	6.7	13.3	80							
IC-GP-28	10/24/2023 8:24	0.1	6.8	13.4	79.7							
ICGP2998	4/18/2023 8:38	0	3.2	17	79.8							
ICGP2998	7/24/2023 8:20	0.2	2.8	17.1	79.9							
ICGP2998	10/24/2023 8:17	0	3.9	15.6	80.5							
ICGP3018	4/18/2023 9:12	41.1	4.8	1.3	52.8							

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
ICGP3018	6/6/2023 8:11	43.3	4.6	0	52.1							
ICGP3018	7/24/2023 8:47	41.6	4.6	0.4	53.4							
ICGP3018	9/12/2023 7:58	38.9	4.6	0.2	56.3							
ICGP3018	12/5/2023 9:14	48.8	5.4	0.5	45.3							
ICGP3038	4/18/2023 9:15	30.8	11	0	58.2							
ICGP3038	6/6/2023 8:14	24.2	8.4	0	67.4							
ICGP3038	7/24/2023 8:52	25	9.1	0	65.9							
ICGP3038	9/12/2023 8:01	21.6	8.4	0	70							
ICGP3038	12/5/2023 9:19	29.4	9.2	0	61.4							
ICGP3069	4/18/2023 9:19	5.8	20.1	0	74.1							
ICGP3069	6/6/2023 8:19	5	17.8	0	77.2							
ICGP3069	7/24/2023 8:57	4.4	19	0	76.6							
ICGP3069	9/12/2023 8:05	3.4	18.1	0	78.5							
ICGP3069	12/5/2023 9:23	6.2	18.4	0	75.4							
ICGP3081	4/18/2023 9:25	1.8	19.6	0	78.6							
ICGP3081	6/6/2023 8:25	1.2	17.3	0	81.5							
ICGP3081	7/24/2023 9:02	1.5	18.2	0	80.3							
ICGP3081	9/12/2023 8:10	0.7	17.8	0	81.5							
ICGP3081	12/5/2023 9:29	1.7	18.2	0	80.1							
ICGP3092	4/18/2023 9:32	0	19	0.3	80.7							
ICGP3092	6/6/2023 8:32	0	14.1	4.1	81.8							
ICGP3092	7/24/2023 9:08	0.1	17.7	0	82.2							
ICGP3092	9/12/2023 8:18	0	16.5	1.2	82.3							
ICGP3092	12/5/2023 9:36	0	17.6	0	82.4							
IC-GP-6D	4/19/2023 8:37	0	0.2	20.7	79.1							
IC-GP-6D	7/25/2023 11:41	0	0.5	20.5	79							
IC-GP-6D	10/24/2023 9:22	0	2.2	18.9	78.9							
IC-GP-6S	4/19/2023 8:36	0	0.3	20.6	79.1							
IC-GP-6S	7/25/2023 11:40	0	0.9	20.3	78.8							
IC-GP-6S	10/24/2023 9:21	0	4.8	15.7	79.5							
IC-GPS6D	4/18/2023 9:01	0	0.2	20.9	78.9							
IC-GPS6D	6/6/2023 8:00	0	6.8	12.6	80.6							
IC-GPS6D	7/24/2023 8:40	0	0.2	20.9	78.9							
IC-GPS6D	9/12/2023 7:51	0	5.1	14.7	80.2							
IC-GPS6D	12/5/2023 8:07	0	9.7	7.8	82.5							
IC-GPS6S	4/18/2023 9:00	0	0.2	20.9	78.9							
IC-GPS6S	6/6/2023 7:59	0	6.3	11.7	82							
IC-GPS6S	7/24/2023 8:40	0	0.2	20.9	78.9							
IC-GPS6S	9/12/2023 7:50	0	1.4	19.7	78.9							
IC-GPS6S	12/5/2023 8:05	0	0.2	20.4	79.4							
IC-GP-W1	4/19/2023 9:27	0	0.4	20.4	79.2							
IC-GP-W1	7/25/2023 9:10	0	2.4	18.9	78.7							
IC-HGW-1	4/18/2023 9:55	32.7	16.6	0	50.7	51.1	0.01	0.01	-0.003	0	0	-4.99
IC-HGW-1	6/6/2023 8:40	35.3	16	0	48.7	67.1	0	0	0.003	0	0	-4.07
IC-HGW-1	7/24/2023 9:15	34.1	18	0	47.9	57.9	0	-0.01	-0.001	0	0	-4.06
IC-HGW-1	9/12/2023 8:24	30.5	18.4	0	51.1	58.2	0	0	-0.001	0	0	-4.35
IC-HGW-1	10/23/2023 11:35	29.9	17.9	0	52.2	51.1	0	-0.01	0	0	0	-5.69
IC-HGW-1	10/23/2023 11:35	29.9	17.9	0	52.2	51.1	0	-0.01	0	0	0	-5.69
IC-HGW-1	12/5/2023 8:11	33.4	18.1	0	48.5	50.6	0	0	-0.001	0	0	-5.81
IC-HGW-2	4/18/2023 10:03	54.5	18	0	27.5	49.7	-3.48	-3.48	1.941	20.4	20.4	-4.44

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-HGW-2	6/6/2023 8:51	53.9	15.5	0	30.6	77.9	-2.71	-2.71	1.817	19.4	19.4	-3.71
IC-HGW-2	7/24/2023 9:33	54.1	21.2	0	24.7	57.4	-2.68	-2.68	1.718	18.9	18.7	-3.69
IC-HGW-2	9/12/2023 8:33	50.8	22.1	0	27.1	63.2	-2.88	-2.88	1.714	18.5	18.6	-3.82
IC-HGW-2	10/23/2023 11:45	61.9	19.8	0	18.3	55.6	-3.72	-3.73	2.466	23.2	23.6	-4.95
IC-HGW-2	10/23/2023 11:45	61.9	19.8	0	18.3	55.6	-3.72	-3.73	2.466	23.2	23.6	-4.95
IC-HGW-2	12/5/2023 8:19	70.2	22.4	0	7.4	49	-3.87	-3.87	2.477	23.7	23.7	-5.23
IC-HGW-3	4/18/2023 10:09	26	22.2	0	51.8	51.7	-0.88	-0.88	3.035	1.5	1.5	-5.26
IC-HGW-3	6/6/2023 8:56	35.3	22.2	0	42.5	87.1	0	-0.01	0	0	0	-4.09
IC-HGW-3	7/24/2023 9:44	38.3	25.5	0	36.2	60.7	-0.38	-0.37	2.388	1.4	1.4	-4.27
IC-HGW-3	9/12/2023 8:38	38.3	29	0	32.7	61.4	0	0	0	0	0	-4.54
IC-HGW-3	10/23/2023 11:51	42.2	26.6	0	31.2	55.9	0	0.01	0.002	0	0	-6
IC-HGW-3	10/23/2023 11:51	42.2	26.6	0	31.2	55.9	0	0.01	0.002	0	0	-6
IC-HGW-3	12/5/2023 8:22	37.1	24	0	38.9	50.8	-0.71	-0.7	3.436	1.7	1.7	-6.12
IC-HGW-3	12/5/2023 8:22	37.1	24	0	38.9	50.8	-0.71	-0.7	3.436	1.7	1.7	-6.12
IC-HGW-4	4/18/2023 10:16	33.5	21.3	0	45.2	49.7	-0.97	-0.97	1.392	2.6	2.6	-5.39
IC-HGW-4	6/6/2023 9:02	37.1	18.3	0	44.6	72.4	-0.09	-0.08	1.329	2.5	2.5	-4.3
IC-HGW-4	7/24/2023 9:53	40.2	23.5	0	36.3	61.8	-0.32	-0.32	1.4	2.6	2.6	-4.42
IC-HGW-4	9/12/2023 8:45	38.3	23.9	0	37.8	60.1	-0.27	-0.26	1.441	2.6	2.6	-4.65
IC-HGW-4	10/23/2023 11:59	43.5	21.8	0	34.7	55.6	-0.52	-0.51	1.882	3	3	-6.15
IC-HGW-4	10/23/2023 11:59	43.5	21.8	0	34.7	55.6	-0.52	-0.51	1.882	3	3	-6.15
IC-HGW-4	12/5/2023 8:27	39.5	21.6	0	38.9	49.8	-0.65	-0.64	1.902	3	3	-5.82
IC-HGW-5	4/18/2023 10:21	45.3	23.3	0	31.4	52.4	-0.95	-0.95	2.082	1.3	1.3	-5.45
IC-HGW-5	6/6/2023 9:07	35.5	19.9	0	44.6	89.9	-0.07	-0.06	2.036	1.2	1.3	-4.31
IC-HGW-5	7/24/2023 10:06	43.3	25.7	0	31	63.4	-0.38	-0.38	2.122	1.3	1.3	-4.52
IC-HGW-5	9/12/2023 8:49	37.1	25	0	37.9	65.1	-0.27	-0.26	2.063	1.3	1.3	-4.71
IC-HGW-5	10/23/2023 12:05	50.7	25.1	0	24.2	57.2	-0.51	-0.5	2.589	1.5	1.5	-6.3
IC-HGW-5	10/23/2023 12:05	50.7	25.1	0	24.2	57.2	-0.51	-0.5	2.589	1.5	1.5	-6.3
IC-HGW-5	12/5/2023 8:30	54.4	23.4	0	22.2	50.9	-0.68	-0.68	2.793	1.6	1.6	-6.29
IC-HGW-6	4/18/2023 10:24	39	17.2	0	43.8	49.8	-1.35	-1.34	1.188	9.2	9.1	-5.55
IC-HGW-6	6/6/2023 9:10	42.6	17	0	40.4	88.3	-0.46	-0.46	1.074	8.5	8.5	-4.41
IC-HGW-6	7/24/2023 10:15	43.2	19.2	0	37.6	68.8	-0.67	-0.68	1.018	8.4	8.4	-4.5
IC-HGW-6	9/12/2023 8:53	38.6	19.8	0	41.6	61.6	-0.71	-0.71	1.152	8.7	8.8	-4.72
IC-HGW-6	10/23/2023 12:08	46.7	19.2	0	34.1	53.8	-1.08	-1.07	1.386	10	10.5	-6.36
IC-HGW-6	10/23/2023 12:08	46.7	19.2	0	34.1	53.8	-1.08	-1.07	1.386	10	10.5	-6.36
IC-HGW-6	12/5/2023 8:32	50.6	18.1	0	31.3	51.2	-1.17	-1.17	1.444	10.4	10.4	-6.35
IC-HGW-7	4/18/2023 10:30	34.3	13.7	0	52	62.3	-1.45	-1.46	1.215	9.2	9.2	-5.6
IC-HGW-7	6/6/2023 9:15	39.1	10.3	0	50.6	73.4	-0.53	-0.53	1.152	9	9	-4.58
IC-HGW-7	7/24/2023 10:30	40.7	15.3	0	44	62.6	-0.78	-0.79	1.155	9	9	-4.62
IC-HGW-7	9/12/2023 8:57	36.8	12.9	0	50.3	62.2	-0.79	-0.79	1.133	8.9	8.9	-4.97
IC-HGW-7	10/23/2023 12:15	44.9	15.7	0	39.4	55.6	-1.1	-1.1	1.35	9.7	9.9	-6.45
IC-HGW-7	10/23/2023 12:15	44.9	15.7	0	39.4	55.6	-1.1	-1.1	1.35	9.7	9.9	-6.45
IC-HGW-7	12/5/2023 8:36	47.3	15.1	0	37.6	49.8	-1.23	-1.23	1.243	9.6	9.6	-6.68
IC-HGW-8	4/18/2023 10:38	38.7	13.6	0	47.7	48.3	-1.01	-1.01	1.635	2.9	2.9	-5.68
IC-HGW-8	6/6/2023 9:22	41.8	13.6	0	44.6	77.6	-0.21	-0.21	1.632	2.7	2.8	-4.7
IC-HGW-8	7/24/2023 10:43	44.7	15.6	0	39.7	66.3	-0.42	-0.43	1.753	2.9	2.9	-4.72
IC-HGW-8	9/12/2023 9:05	42.7	16.2	0	41.1	63.8	-0.41	-0.4	1.701	2.9	2.9	-5.11
IC-HGW-8	10/23/2023 12:26	51	15.8	0	33.2	55.3	-0.71	-0.67	2.34	3.4	3.5	-6.58
IC-HGW-8	10/23/2023 12:26	51	15.8	0	33.2	55.3	-0.71	-0.67	2.34	3.4	3.5	-6.58
IC-HGW-8	12/5/2023 8:41	51.4	14.7	0	33.9	49.2	-0.68	-0.69	2.397	3.5	3.6	-6.84
IC-HGW-9	4/18/2023 10:48	41.4	14.9	4.5	39.2	54.9	-1.34	-1.35	2.136	1.4	1.4	-5.68

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-HGW-9	6/6/2023 9:32	38.6	14.2	4.3	42.9	78	-1.03	-1.03	1.662	1.2	1.2	-4.53
IC-HGW-9	7/24/2023 11:12	36.7	17.8	4.6	40.9	61.6	-1.14	-1.14	1.654	1.2	1.2	-4.81
IC-HGW-9	9/12/2023 9:17	33.9	18.3	4.6	43.2	61.9	-1.11	-1.11	1.826	1.2	1.2	-5.04
IC-HGW-9	10/23/2023 12:35	61.3	24.1	0	14.6	57.5	-0.47	-0.46	3.044	1.7	1.7	-6.61
IC-HGW-9	10/23/2023 12:35	61.3	24.1	0	14.6	57.5	-0.47	-0.46	3.044	1.7	1.7	-6.61
IC-HGW-9	12/5/2023 8:49	65	20.6	0	14.4	48.5	-0.65	-0.65	3.341	1.8	1.8	-6.78
IC-SC-OF	4/18/2023 8:46	0	0.3	20.9	78.8							
IC-SC-OF	7/24/2023 8:33											
IC-SC-OF	10/24/2023 8:49	0	0.3	20.9	78.8							
IC-SH-BA	4/18/2023 8:46	0	0.3	20.8	78.9							
IC-SH-BA	7/24/2023 8:31	0	1	20.9	78.1							
IC-SH-BA	10/24/2023 8:48	0	0.4	20.4	79.2							
IC-T-LG	4/18/2023 11:02	41.5	17.8	0.3	40.4	45.9	-8.16	-8.6	8.372	0	0	
IC-T-LG	6/6/2023 9:44	44.4	16.8	0.2	38.6	72.1	-6.2	-6.21	6.057	0	0	
IC-T-LG	7/24/2023 11:37	43.7	19.9	0.1	36.3	69.4	-5.79	-5.8	5.915	0	0	
IC-T-LG	9/12/2023 9:30	40.5	19.8	0.2	39.5	62.1	-6.1	-6.1	6.249	0	0	
IC-T-LG	10/23/2023 12:46	52.4	19.8	0.1	27.7	52.3	-8.41	-8.45	8.698	0	0	
IC-T-LG	10/23/2023 12:46	52.4	19.8	0.1	27.7	52.3	-8.41	-8.45	8.698	0	0	
IC-T-LG	12/5/2023 9:00	54.7	18.5	0.1	26.7	52	-8.36	-8.86	8.609	0	0	
IC-T-SV	4/18/2023 11:03	7	17	1.3	74.7	48.5	-19.66	-19.66	>>>>	0	0	
IC-T-SV	6/6/2023 9:45	7.9	14.8	1.3	76	73.4	-17.82	-17.81	>>>>	0	0	
IC-T-SV	7/24/2023 11:39	6.9	16.1	1	76	68.9	-17.31	-17.3	>>>>	0	0	
IC-T-SV	9/12/2023 9:31	5.3	15.6	1.3	77.8	62.6	-17.17	-17.17	>>>>	0	0	
IC-T-SV	10/23/2023 12:48	6	15.7	1.3	77	55.4	-18.55	-18.48	>>>>	0	0	
IC-T-SV	10/23/2023 12:48	6	15.7	1.3	77	55.4	-18.55	-18.48	>>>>	0	0	
IC-T-SV	12/5/2023 9:01	4.4	15.7	1.6	78.3	50.6	-21.5	-21.5	>>>>	0	0	
IC-VGW-1	4/18/2023 9:58	3.7	17.1	0	79.2	47.2	-3.18	-3.18	0.814	7.1	7.1	-18.08
IC-VGW-1	6/6/2023 8:47	3.1	14.6	0	82.3	78.2	-2	-1.99	0.742	6.6	6.6	-16.42
IC-VGW-1	7/24/2023 9:22	3.4	15.8	0	80.8	59.8	-2.79	-2.79	1.023	7.8	7.8	-16.8
IC-VGW-1	9/12/2023 8:26	2.4	15.4	0	82.2	56.8	-2.82	-2.82	1.205	8.5	8.5	-16.61
IC-VGW-1	10/23/2023 11:38	3.6	15.7	0	80.7	53.5	-3.28	-3.29	1.512	9.6	9.6	-16.94
IC-VGW-1	10/23/2023 11:38	3.6	15.7	0	80.7	53.5	-3.28	-3.29	1.512	9.6	9.6	-16.94
IC-VGW-1	12/5/2023 8:13	3.7	15.8	0	80.5	49.8	-3.28	-3.27	1.156	8.4	8.4	-20.08
IC-VGW-2	4/18/2023 10:01	37.5	7.8	0	54.7	51.3	-1.21	-1.2	2.712	1.6	1.6	-5.22
IC-VGW-2	4/18/2023 10:01	37.5	7.8	0	54.7	51.3	-1.21	-1.2	2.712	1.6	1.6	-5.22
IC-VGW-2	6/6/2023 8:49	34.3	8.6	0	57.1	77.9	-0.46	-0.46	2.519	1.5	1.4	-4.14
IC-VGW-2	7/24/2023 9:31	35	7.9	0	57.1	57.8	-0.6	-0.62	2.553	1.5	1.4	-4.22
IC-VGW-2	9/12/2023 8:31	32.3	7.6	0	60.1	59.1	-0.7	-0.69	2.624	1.5	1.5	-4.47
IC-VGW-2	10/23/2023 11:43	42.5	6.4	0	51.1	59.1	-0.8	-0.81	3.528	1.8	1.8	-5.99
IC-VGW-2	10/23/2023 11:43	42.5	6.4	0	51.1	59.1	-0.8	-0.81	3.528	1.8	1.8	-5.99
IC-VGW-2	12/5/2023 8:17	42.6	6.6	0	50.8	49.3	-0.95	-0.95	3.963	1.9	1.9	-6.01
IC-VGW-3	4/18/2023 10:14	38.2	15.8	0	46	49.1	-1.16	-1.17	3.081	1.6	1.6	-5.34
IC-VGW-3	4/18/2023 10:14	38.2	15.8	0	46	49.1	-1.16	-1.17	3.081	1.6	1.6	-5.34
IC-VGW-3	6/6/2023 9:00	34.9	14.7	0	50.4	75.3	-0.12	-0.12	2.979	1.6	1.6	-4.21
IC-VGW-3	7/24/2023 9:51	38.7	14	0	47.3	63.5	-0.49	-0.48	2.857	1.6	1.6	-4.4
IC-VGW-3	9/12/2023 8:43	35	16	0	49	60.6	-0.46	-0.46	3.069	1.6	1.6	-4.53
IC-VGW-3	10/23/2023 11:57	45.6	15	0	39.4	55.9	-0.59	-0.6	3.689	1.8	1.8	-6.11
IC-VGW-3	10/23/2023 11:57	45.6	15	0	39.4	55.9	-0.59	-0.6	3.689	1.8	1.8	-6.11
IC-VGW-3	12/5/2023 8:25	47.7	14.8	0	37.5	50.5	-0.88	-0.88	3.861	1.8	1.9	-6.1
IC-VGW-4	4/18/2023 10:27	39	6.5	0.1	54.4	62.5	-0.01	-0.01	-0.003	0	0	-5.53

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-VGW-4	6/6/2023 9:12	40.6	8.7	0	50.7	77.9	-0.4	-0.39	3.011	1.6	1.6	-4.47
IC-VGW-4	7/24/2023 10:18	41.1	6.1	0	52.8	65.5	-0.77	-0.75	3.007	1.6	1.6	-4.67
IC-VGW-4	9/12/2023 8:55	36.6	7.5	0	55.9	60.9	-0.59	-0.59	3.167	1.7	1.7	-4.76
IC-VGW-4	10/23/2023 12:10	46.6	7.8	0	45.6	54.6	-0.98	-0.97	3.944	1.9	1.9	-6.49
IC-VGW-4	10/23/2023 12:10	46.6	7.8	0	45.6	54.6	-0.98	-0.97	3.944	1.9	1.9	-6.49
IC-VGW-4	12/5/2023 8:34	48.9	8.7	0	42.4	49.2	-1.21	-1.19	4.156	2	2	-6.62
IC-VGW-5	4/18/2023 10:35	4.6	18.1	0.4	76.9	61.2	-11.01	-11	5.517	30.2	32.3	-17.03
IC-VGW-5	6/6/2023 9:18	4.6	15.3	0.5	79.6	78.5	-8.7	-8.72	6.284	31.9	32	-14.92
IC-VGW-5	7/24/2023 10:36	4.1	16.8	0.3	78.8	65.6	-8.55	-8.57	6.306	32.3	32.6	-14.77
IC-VGW-5	9/12/2023 9:02	3	16.3	0.4	80.3	63.4	-8.8	-8.81	6.166	32	32	-15.31
IC-VGW-5	10/23/2023 12:22	4.9	16.5	0.5	78.1	53.2	-9.29	-9.79	5.641	31	32.5	-15.58
IC-VGW-5	10/23/2023 12:22	4.9	16.5	0.5	78.1	53.2	-9.29	-9.79	5.641	31	32.5	-15.58
IC-VGW-5	12/5/2023 8:39	5.2	16.7	0.5	77.6	50.1	-11.45	-11.61	6.95	34.4	34.8	-18.88
IC-VGW-6	4/18/2023 10:40	42.1	11.2	0	46.7	47.9	-1.29	-1.29	3.102	1.6	1.7	-5.54
IC-VGW-6	6/6/2023 9:23	41.7	11.5	0	46.8	88.1	-0.27	-0.28	3.08	1.6	1.6	-4.62
IC-VGW-6	7/24/2023 10:45	42.7	11	0	46.3	60.8	-0.58	-0.58	3.04	1.6	1.6	-4.87
IC-VGW-6	9/12/2023 9:07	38.9	11.4	0	49.7	63.3	-0.51	-0.52	3.335	1.7	1.7	-5.09
IC-VGW-6	10/23/2023 12:28	50.5	11.5	0	38	56.8	-0.71	-0.71	4.189	2	2	-6.46
IC-VGW-6	10/23/2023 12:28	50.5	11.5	0	38	56.8	-0.71	-0.71	4.189	2	2	-6.46
IC-VGW-6	12/5/2023 8:43	50	11.3	0	38.7	48	-0.93	-0.93	4.422	2	2	-6.61
IC-VGW-7	4/18/2023 10:46	2	21.9	0	76.1	48.8	-13.37	-14.57	3.798	1.6	1.4	-17.93
IC-VGW-7	6/6/2023 9:30	0.9	17.7	0.6	80.8	89.1	-13.42	-13.38	2.45	1.3	1.3	-16.08
IC-VGW-7	7/24/2023 11:09	1.3	20.2	0	78.5	66.6	-13.64	-13.13	2.001	1.2	1.3	-15.93
IC-VGW-7	9/12/2023 9:15	0.6	19.4	0	80	63.1	-12.77	-12.75	3.002	1.4	1.3	-16.07
IC-VGW-7	10/23/2023 12:34	1.5	19.9	0	78.6	56.2	-13.27	-14.11	2.834	1.4	1.2	-16.23
IC-VGW-7	10/23/2023 12:34	1.5	19.9	0	78.6	56.2	-13.27	-14.11	2.834	1.4	1.2	-16.23
IC-VGW-7	12/5/2023 8:48	2.5	20.6	0.1	76.8	49.5	-14.94	-14.03	4.372	1.7	1.9	-19.62
IC-VGW-8	4/18/2023 10:43	12.7	24.5	0	62.8	51.7	-0.24	-0.24	1.51	2.5	2.5	-5.62
IC-VGW-8	6/6/2023 9:28	14.1	17.1	0	68.8	87	0	0	-0.001	0	0	-4.41
IC-VGW-8	7/24/2023 11:05	13.3	21.3	0	65.4	64.9	0	0	0.001	0.1	0	-4.53
IC-VGW-8	9/12/2023 9:13	8.7	18.8	4	68.5	59.9	-0.01	0	0.001	0.1	0	-4.77
IC-VGW-8	10/23/2023 12:31	18.5	26.8	0	54.7	61.3	0.04	0.04	-0.011	0	0	-6.21
IC-VGW-8	10/23/2023 12:31	18.5	26.8	0	54.7	61.3	0.04	0.04	-0.011	0	0	-6.21
IC-VGW-8	12/5/2023 8:46	13.9	26.2	0	59.9	48.1	0.01	0	0.001	0.1	0	-6.4
IC-VGW-9	4/18/2023 10:50	0.5	6.8	13.1	79.6	52.8	-1.77	-1.77	0.063	3.3	3.4	-18.21
IC-VGW-9	6/6/2023 9:34	0.6	6.6	13	79.8	80.2	-0.57	-0.56	0.045	2.8	2.8	-16.46
IC-VGW-9	7/24/2023 11:14	0.5	6.7	13.4	79.4	65.1	-0.81	-0.82	0.062	3.3	3.3	-16.36
IC-VGW-9	9/12/2023 9:19	0	6.6	13.4	80	63.4	-0.87	-0.87	0.078	3.7	3.7	-15.96
IC-VGW-9	10/23/2023 12:37	0.4	6.3	13	80.3	52.5	-1.05	-1.05	0.052	3	3.2	-17.24
IC-VGW-9	10/23/2023 12:37	0.4	6.3	13	80.3	52.5	-1.05	-1.05	0.052	3	3.2	-17.24
IC-VGW-9	12/5/2023 8:51	0.7	6.7	12.7	79.9	48.3	-1.39	-1.39	0.11	4.4	4.4	-19.72
IC-VGW-4	12/8/2022 11:31	29.6	10.7	1.4	58.3	45.1	0	0	0 >>>>		0	45.2
IC-VGW-5	1/18/2022 10:43	8	17.5	0.2	74.3	46.4	7.385	35.8	34.9 >>>>		-10.05	46.1
IC-VGW-5	3/2/2022 12:09	6.1	16.9	0	77	51.4	7.646	36	36.1 >>>>		-10.19	51.3
IC-VGW-5	4/19/2022 11:10	5.8	16.5	0	77.7	52.2	7.129	34.8	34.7 >>>>		-10.05	52.8
IC-VGW-5	6/1/2022 11:02	14.6	11.4	0	74	70.1	0	0	0 >>>>		-9.26	70.9
IC-VGW-5	7/7/2022 11:11	7.2	16	0.5	76.3	82	6.911	32.8	33.6 >>>>		-9.76	82.2
IC-VGW-5	10/17/2022 11:52	5	16	0	79	64.6	7.014	34.2	34.6 >>>>		-9.66	64.5
IC-VGW-5	12/8/2022 11:37	4.7	17.4	0.5	77.4	44.9	5.607	30.8	34.4	94	-11.51	44.9
IC-VGW-6	1/18/2022 10:52	50.2	12.1	0	37.7	47	4.496	2.1	2.1 >>>>		-1	47

Table 7. Landfill Gas Monitoring Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-VGW-6	3/2/2022 12:14	50.1	11.6	0	38.3	52.3	4.282	2	2	>>>>	-0.57	52.3
IC-VGW-6	4/19/2022 11:14	49.2	11	0	39.8	49.3	4.028	1.9	1.9	>>>>	-0.75	49.6
IC-VGW-6	6/1/2022 11:10	43	12.4	0	44.6	74.2	0.001	0	0	>>>>	-0.1	74.3
IC-VGW-6	7/7/2022 11:21	37.3	11.3	0	51.4	82.7	2.909	1.5	1.6	>>>>	-0.8	82.9
IC-VGW-6	10/17/2022 11:59	41.3	13.2	0	45.5	66.4	3.283	1.7	1.7	>>>>	-0.49	66.7
IC-VGW-6	12/8/2022 11:41	40.1	14.3	0	45.6	44.2	4.135	1.9	1.9	>>>>	-0.5	44.1
IC-VGW-7	1/18/2022 11:06	3.3	20.4	0.1	76.2	47.7	3.405	1.6	1.6	66	-12.95	47.8
IC-VGW-7	3/2/2022 12:21	2.2	20.4	0	77.4	52	5.551	2	2	44	-11.92	51.8
IC-VGW-7	4/19/2022 11:22	3	20	0	77	54.5	4.539	1.8	1.8	60	-13.04	54.5
IC-VGW-7	6/1/2022 11:17	4.4	18.9	0	76.7	68	0.002	0	0	88	-12.05	68.5
IC-VGW-7	7/7/2022 11:45	2.2	19.1	0	78.7	82.4	4.451	1.7	1.7	44	-12.01	82.6
IC-VGW-7	10/17/2022 12:11	2.5	19.7	0	77.8	74.1	3.884	1.6	1.9	50	-11.81	74.3
IC-VGW-7	12/8/2022 11:45	1.6	21.7	0	76.7	44.2	5.889	2	2.1	32	-12.98	44.2
IC-VGW-8	1/18/2022 11:03	14.4	24.5	0	61.1	46.2	-0.001	0	0	>>>>	-0.06	46.1
IC-VGW-8	3/2/2022 12:18	13.5	25.9	0	60.6	52.8	-0.001	0	0	>>>>	0	52.7
IC-VGW-8	4/19/2022 11:20	12.3	23.9	0	63.8	49.8	1.941	2.9	2.9	>>>>	-0.1	49.5
IC-VGW-8	6/1/2022 11:15	22.5	15.5	0	62	73.4	0.001	0.1	0.1	>>>>	-0.13	73.4
IC-VGW-8	7/7/2022 11:34	8.9	21.2	0	69.9	80.7	1.426	2.4	2.4	>>>>	-0.2	80.9
IC-VGW-8	10/17/2022 12:09	20.8	18.5	0	60.7	69	1.075	2.2	2.2	>>>>	-0.01	69.1
IC-VGW-8	12/8/2022 11:44	18	20.8	0	61.2	45.6	1.55	2.6	2.6	>>>>	-0.14	45.6
IC-VGW-9	1/18/2022 11:10	1.3	8.6	11.1	79	47.4	0.164	5.4	5.5	26	-1.5	47.3
IC-VGW-9	3/2/2022 12:25	0.8	8.1	9.4	81.7	52.7	0.077	3.7	3.7	16	-1.13	52.7
IC-VGW-9	4/19/2022 11:26	0.5	7.4	11.5	80.6	52.4	0.067	3.4	3.4	10	-1.29	52.3
IC-VGW-9	6/1/2022 11:21	0.8	7.3	12.2	79.7	70	0.002	0.5	0.6	16	-0.89	70
IC-VGW-9	7/7/2022 11:55	0.2	7	12.5	80.3	85.8	0.075	3.5	3.5	4	-1.45	85.9
IC-VGW-9	10/17/2022 12:17	0.2	6.2	11.2	82.4	74.9	0.107	4.2	4.2	4	-1.14	74.9
IC-VGW-9	12/8/2022 11:49	0.8	9.1	12.9	77.2	42.5	0.116	4.4	4.5	16	-0.93	42.4
ICGPS-6D	10/17/2022 10:13	0	4.1	16.1	79.8							
ICGPS-6S	10/17/2022 10:09	0	1.5	17.9	80.6							

Blank cells = Reading not available

Table 8. Source Control Operations Data
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date	LFG Blower (cumulative hrs.)	Soil Gas Blower (cumulative hrs.)	Sump Discharge (cumulative cu. ft.)	Sump Discharge (cumulative gallons)	Comments
12/27/2005	43,217	49,603	317	2,371	
12/26/2006	45,921	53,933	3,027	22,642	
12/31/2007	49,169	58,359	4,682	35,021	
12/31/2008	52,316	62,748	6,970	52,136	
12/29/2009	55,487	67,095	9,286	69,459	
12/14/2010	58,094	71,249	11,877	88,840	
12/27/2011	60,562	75,787	14,481	108,318	
12/26/2012	62,956	80,160	20,061	150,056	
12/31/2013	65,243	84,585	21,430	160,296	
12/30/2014	67,247	88,899	23,850	178,398	
12/30/2015	69,882	93,290	26,260	196,425	
12/31/2016	70,865	95,440	28,568	213,689	
12/26/2017	71,395	98,345	30,006	224,445	
12/26/2018	71,989	100,458	32,696	244,566	
12/31/2019	72,909	102,693	34,634	259,062	
12/29/2020	73,835	104,890	36,806	275,309	
12/21/2021	74,355	107,047	39,713	297,053	
12/27/2022	74,704	109,153	41,512	310,510	
2/7/2023	74,739	109,403	41,935	313,674	
2/14/2023	74,744	109,445	41,970	313,936	
2/28/2023	74,755	109,529	42,183	315,529	
3/7/2023	74,761	109,576	42,234	315,910	
3/14/2023	74,766	109,613	42,283	316,277	
3/20/2023	74,770	109,649	42,314	316,509	
3/28/2023	74,784	109,743	42,443	317,474	
4/10/2023	74,788	109,775	42,461	317,608	
4/26/2023	74,808	109,878	42,547	318,252	
5/4/2023	74,815	109,922	42,567	318,401	
5/18/2023	74,827	110,010	42,625	318,835	
5/30/2023	74,836	110,078	42,629	318,865	
6/6/2023	74,836	110,120	42,629	318,865	
6/13/2023	74,846	110,126	42,631	318,880	
6/28/2023	74,860	110,126	42,632	318,887	
7/11/2023	74,870	110,198	42,632	318,887	
7/20/2023	74,878	110,254	42,632	318,887	
7/26/2023	74,887	110,291	42,634	318,902	
8/2/2023	74,893	110,333	42,634	318,902	
8/16/2023	74,905	110,417	42,635	318,910	
8/29/2023	74,917	110,499	42,635	318,910	
9/12/2023	74,928	110,579	42,642	318,962	
9/19/2023	74,936	110,628	42,642	318,962	
10/11/2023	74,956	110,767	42,658	319,082	
10/23/2023	74,967	110,832	42,658	319,082	
11/1/2023	74,978	110,886	42,658	319,082	
11/8/2023	74,983	110,928	42,660	319,097	
11/13/2023	74,987	110,958	42,753	319,792	
11/30/2023	75,003	111,060	42,876	320,712	
12/6/2023	75,012	111,100	42,913	320,989	
12/18/2023	75,022	111,174	43,037	321,917	
12/27/2023	75,029	111,225	43,094	322,343	
Total Hours	32,019	62,031			
Avg hrs./day	4.90	9.50			
Total Hours (2023)	325	2,072			
Avg hrs./day (2023)	0.89	5.68			

Data obtained from 2005 through 2022 has been summarized as annual totals for brevity.

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	10/25/2005													
	11/2/2005													
	11/15/2005													
	11/22/2005	43,010								49,194				
	11/29/2005	43,069	59	120.0	424,800	424,800	70.0	247,800	247,800	49,267	73	94.0	411,720	411,720
	12/5/2005	43,069								49,267				
	12/13/2005	43,147								49,434				
	12/20/2005	43,190								49,519				
	12/27/2005	43,217	148	120.0	1,065,600	1,490,400	70.0	621,600	869,400	49,603	336	94.0	1,895,040	2,306,760
	1/3/2006	43,259								49,688				
1/13/2006	1/10/2006	43,295								49,722				
	1/17/2006	43,325								49,816				
	1/24/2006	43,384								49,940				
	1/31/2006	43,431	214	120.0	1,540,800	3,031,200	70.0	898,800	1,768,200	50,036	433	94.0	2,442,120	4,748,880
	2/7/2006	43,465								50,099				
	2/14/2006	43,506								50,184				
	2/21/2006	43,539								50,268				
3/1/2006	2/28/2006	43,587	156	87.0	814,320	3,845,520	53.0	496,080	2,264,280	50,351	315	85.0	1,606,500	6,355,380
	3/7/2006	43,628								50,435				
	3/14/2006	43,670								50,519				
	3/21/2006	43,710								50,603				
4/3/2006	3/28/2006	43,752	165	88.0	871,200	4,716,720	59.0	584,100	2,848,380	50,687	336	77.0	1,552,320	7,907,700
	4/4/2006	43,782								50,768				
	4/11/2006	43,845								50,854				
	4/18/2006	43,881								50,938				
	4/25/2006	43,924								51,021				
5/1/2006	5/2/2006	43,977	225	82.0	1,107,000	5,823,720	46.0	621,000	3,469,380	51,106	419	81.0	2,036,340	9,944,040
	5/9/2006	44,018								51,190				
	5/16/2006	44,057								51,274				
	5/23/2006	44,118								51,357				
6/5/2006	5/30/2006	44,166	189	83.0	941,220	6,764,940	54.0	612,360	4,081,740	51,442	335.5	65.0	1,308,450	11,252,490
	6/6/2006	44,214								51,526				
	6/13/2006	44,257								51,610				
	6/20/2006	44,309								51,693				
	6/27/2006	44,350								51,778				
	7/4/2006	44,375								51,862				
7/13/2006	7/11/2006	44,400	234	53.0	744,120	7,509,060	34.0	477,360	4,559,100	51,944	502.5	81.0	2,442,150	13,694,640
	7/18/2006	44,511								52,026				
	7/25/2006	44,577								52,113				
	8/1/2006	44,637								52,193				
	8/8/2006	44,700								52,278				
	8/15/2006	44,763								52,362				
8/18/2006	8/22/2006	44,817	417	73.0	1,826,460	9,335,520	42.0	1,050,840	5,609,940	52,439	495	81.0	2,405,700	16,100,340
	8/29/2006	44,872								52,517				
	9/5/2006	44,943								52,614				
9/14/2006	9/13/2006	45,014	197	62.0	732,840	10,068,360	40.0	472,800	6,082,740	52,710	271	87.0	1,414,620	17,514,960
	9/18/2006	45,068								52,782				
	9/26/2006	45,131								52,866				
	10/3/2006	45,195								52,952				
	10/10/2006	45,259								53,036				
10/19/2006	10/17/2006	45,324	310	63.0	1,171,800	11,240,160	42.0	781,200	6,863,940	53,122	412	93.0	2,298,960	19,813,920
	10/31/2006	45,447								53,288				
	11/7/2006	45,500								53,371				
	11/14/2006	45,563								53,455				
	11/21/2006	45,618								53,528				
	11/28/2006	45,680								53,612				
12/4/2006	12/5/2006	45,746	422	75.0	1,899,000	13,139,160	51.0	1,291,320	8,155,260	53,700	578	93.0	3,225,240	23,039,160
	12/12/2006	45,802								53,776				
	12/19/2006	45,854								53,844				
	12/26/2006	45,921								53,933				
	1/1/2007	45,966								54,000				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	1/2/2007	45,982								54,016				
1/15/2007	1/9/2007	46,039	293	49.0	861,420	14,000,580	33.0	580,140	8,735,400	54,094	394	90.0	2,127,600	25,166,760
	1/16/2007	46,096								54,176				
	1/23/2007	46,156								54,257				
	1/30/2007	46,223								54,346				
	2/7/2007	46,290								54,437				
	2/13/2007	46,344								54,509				
2/23/2007	2/20/2007	46,397	358	86.0	1,847,280	15,847,860	57.0	1,224,360	9,959,760	54,593	499	88.0	2,634,720	27,801,480
	2/27/2007	46,460								54,676				
	3/6/2007	46,525								54,763				
	3/13/2007	46,580								54,841				
3/23/2007	3/20/2007	46,643	246	86.0	1,269,360	17,117,220	65.0	959,400	10,919,160	54,926	333	84.0	1,678,320	29,479,800
	3/27/2007	46,707								55,011				
	4/3/2007	46,762								55,096				
	4/10/2007	46,813								55,178				
	4/17/2007	46,876								55,262				
	4/24/2007	46,938								55,345				
5/1/2007	5/1/2007	47,001	358	58.0	1,245,840	18,363,060	40.0	859,200	11,778,360	55,429	503	86.0	2,595,480	32,075,280
	5/8/2007	47,064								55,514				
5/17/2007	5/15/2007	47,127	126	56.0	423,360	18,786,420	38.0	287,280	12,065,640	55,597	168	86.0	866,880	32,942,160
	5/22/2007	47,190								55,683				
	5/29/2007	47,253								55,766				
	6/5/2007	47,377								55,850				
6/14/2007	6/12/2007	47,440	313	67.0	1,258,260	20,044,680	44.0	826,320	12,891,960	55,932	335	84.0	1,688,400	34,630,560
	6/19/2007	47,440								56,102				
	6/26/2007	47,495								56,185				
	7/3/2007	47,588								56,185				
	7/10/2007	47,620								56,269				
7/19/2007	7/17/2007	47,684								56,354	422	80.0	2,025,600	36,656,160
	7/24/2007	--								--				
	7/31/2007	47,811								56,524				
8/8/2007	8/7/2007	47,873	433	46.0	1,195,080	21,239,760	30.0	779,400	13,671,360	56,606	252	87.0	1,315,440	37,971,600
	8/14/2007	47,946								56,703				
	8/21/2007	47,998								56,773				
	8/28/2007	48,061								56,858				
9/7/2007	9/4/2007	48,126	253	42.0	637,560	21,877,320	29.0	440,220	14,111,580	56,944	338	86.0	1,744,080	39,715,680
	9/11/2007	48,186								57,025				
	9/18/2007	48,249								57,109				
	9/24/2007	48,311								57,193				
	10/2/2007	48,372								57,278				
	10/9/2007	48,434								57,360				
10/26/2007	10/24/2007	48,566	440	44.0	1,161,600	23,038,920	30.0	792,000	14,903,580	57,541	597	94.0	3,367,080	43,082,760
	10/30/2007	48,614								57,613				
	11/7/2007	48,676								57,698				
	11/13/2007	48,739								57,782				
11/26/2007	11/21/2007	48,812	246	45.0	664,200	23,703,120	36.0	531,360	15,434,940	57,879	338	92.0	1,865,760	44,948,520
	11/27/2007	48,864								57,949				
	12/4/2007	48,927								58,033				
12/12/2007	12/11/2007	48,995	183	85.0	933,300	24,636,420	71.0	779,580	16,214,520	58,124	245	91.0	1,337,700	46,286,220
	12/18/2007	49,052								58,202				
	12/24/2007	49,110								58,358				
	12/31/2007	49,169								58,359				
	1/8/2008	49,243								58,510				
	1/15/2008	49,303								58,544				
	1/22/2008	49,359								58,622				
	1/29/2008	49,408								58,705				
1/30/2008	1/30/2008	49,425	430	47.0	1,212,600	25,849,020	43.0	1,109,400	17,323,920	58,726	182	91.0	993,720	47,279,940
	2/5/2008	49,469								58,790				
	2/13/2008	49,541								58,886				
	2/19/2008	49,595								58,958				
2/27/2008	2/25/2008	49,657	232	59.0	821,280	26,670,300	35.0	487,200	17,811,120	59,041	251	91.0	1,370,460	48,650,400

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	3/4/2008	49,720								59,126				
	3/11/2008	49,781								59,208				
3/19/2008	3/18/2008	49,844	187	39.0	437,580	27,107,880	36.0	403,920	18,215,040	59,292	251	81.0	1,219,860	49,870,260
	3/25/2008	49,907								59,376				
	4/1/2008	49,970								59,461				
	4/8/2008	50,035								59,547				
	4/15/2008	50,096								59,629				
4/22/2008	4/22/2008	50,158	314	121.0	2,279,640	29,387,520	102.0	1,921,680	20,136,720	59,712	251	162.0	2,439,720	52,309,980
	4/23/2008	50,173								59,730				
	4/29/2008	50,221								59,796				
	5/6/2008	50,280								59,879				
	5/13/2008	50,344								59,965				
	5/20/2008	50,407								60,048				
5/29/2008	5/27/2008	50,470	312	51.0	954,720	30,342,240	43.0	804,960	20,941,680	60,133	254	81.0	1,234,440	53,544,420
	6/3/2008	50,529								60,217				
	6/10/2008	50,591								60,301				
	6/17/2008	50,654								60,385				
6/30/2008	6/24/2008	50,717	247		0	30,342,240		0	20,941,680	60,469	252		0	53,544,420
	7/1/2008	50,780								60,553				
	7/8/2008	50,840								60,639				
	7/15/2008	50,895								60,716				
7/22/2008	7/23/2008	50,964	247	46.0	681,720	31,023,960	31.0	459,420	21,401,100	60,809	256	83.0	1,274,880	54,819,300
	7/29/2008	51,021								60,883				
	8/5/2008	51,084								60,968				
	8/12/2008	51,140								61,049				
	8/19/2008	51,201								61,134				
8/26/2008	8/27/2008	51,275	311	48.0	895,680	31,919,640	26.0	485,160	21,886,260	61,232	264	85.0	1,346,400	56,165,700
	9/2/2008	51,326								61,301				
	9/9/2008	51,389								61,385				
	9/16/2008	51,450								61,469				
9/24/2008	9/23/2008	51,506	231	49.0	679,140	32,598,780	28.0	388,080	22,274,340	61,553	252	90.0	1,360,800	57,526,500
	9/29/2008	51,568								61,637				
	10/8/2008	51,640								61,733				
	10/14/2008	51,694								61,805				
	10/21/2008	51,757								61,892				
10/29/2008	10/28/2008	51,820	314	37.0	697,080	33,295,860	29.0	546,360	22,820,700	61,973	240	87.0	1,252,800	58,779,300
	11/4/2008	51,884								62,059				
	11/11/2008	51,945								62,141				
	11/18/2008	52,001								62,227				
11/25/2008	11/25/2008	52,062	242	36.0	522,720	33,818,580	25.0	363,000	23,183,700	62,309	250	91.0	1,365,000	60,144,300
	12/2/2008	--								--				
	12/9/2008	52,179								62,478				
	12/16/2008	52,235								62,563				
	12/23/2008	52,252								62,648				
12/30/2008	12/30/2008	52,302	240	30.0	432,000	34,250,580	22.0	316,800	23,500,500	62,730	252	91.0	1,375,920	61,520,220
	12/31/2008	52,316								62,748				
	1/13/2009	52,431								62,902				
	1/21/2009	52,480								62,995				
1/28/2009	1/27/2009	52,523	271	31.0	504,060	34,754,640	24.0	390,240	23,890,740	63,068	420	86.0	2,167,200	63,687,420
	2/4/2009	52,593								63,162				
	2/10/2009	52,657								63,243				
	2/17/2009	52,713								63,323				
2/24/2009	2/24/2009	52,769	246	37.0	546,120	35,300,760	32.0	472,320	24,363,060	63,402	334	86.0	1,723,440	65,410,860
	3/3/2009	52,829								63,487				
	3/10/2009	52,891								63,569				
	3/17/2009	52,957								63,657				
3/23/2009	3/23/2009	53,015	246	38.0	560,880	35,861,640	30.0	442,800	24,805,860	63,737	335	87.0	1,748,700	67,159,560
	3/31/2009	53,078								63,822				
	4/7/2009	53,141								63,906				
	4/14/2009	53,208								63,989				
4/20/2009	4/21/2009	53,223	208	37.0	461,760	36,323,400	24.0	299,520	25,105,380	64,074	337	86.0	1,738,920	68,898,480

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	4/28/2009	53,318								64,158				
	5/5/2009	53,380								64,244				
	5/12/2009	53,440								64,325				
5/18/2009	5/18/2009	53,499	276	36.0	596,160	36,919,560	24.0	397,440	25,502,820	64,325	251	84.0	1,265,040	70,163,520
	5/19/2009	53,502								64,408				
	5/26/2009	53,563								64,490				
	6/3/2009	53,635								64,586				
	6/11/2009	53,689								64,659				
	6/16/2009	53,754								64,744				
	6/23/2009	53,814								64,826				
6/25/2009	6/25/2009	53,837	338	38.0	770,640	37,690,200	22.0	446,160	25,948,980	64,854	529	84.0	2,666,160	72,829,680
	6/30/2009	53,879								64,913				
	7/7/2009	54,002								65,080				
	7/14/2009	53,937								64,994				
7/16/2009	7/16/2009	54,023	186	41.0	457,560	38,147,760	26.0	290,160	26,239,140	65,107	253	83.0	1,259,940	74,089,620
	7/21/2009	54,063								65,162				
	7/28/2009	54,126								65,246				
	8/4/2009	54,189								65,330				
	8/11/2009	54,254								65,416				
	8/18/2009	54,314								65,497				
8/26/2009	8/25/2009	54,377	354	35.0	743,400	38,891,160	22.0	467,280	26,706,420	65,582	475	82.0	2,337,000	76,426,620
	9/1/2009	54,440								65,666				
	9/8/2009	54,503								65,750				
	9/15/2009	54,565								65,833				
9/22/2009	9/22/2009	54,629	252	37.0	559,440	39,450,600	31.0	468,720	27,175,140	65,918	336	67.0	1,350,720	77,777,340
	9/29/2009	54,690								66,002				
	10/6/2009	54,753								66,085				
	10/13/2009	54,816								66,170				
	10/20/2009	54,880								66,254				
	10/27/2009	54,943								66,339				
	11/3/2009	55,008								66,425				
	11/10/2009	55,069								66,507				
	11/17/2009	55,131								66,591				
11/23/2009	11/24/2009	55,192	563	38.0	1,283,640	40,734,240	22.0	743,160	27,918,300	66,673	755	67.0	3,035,100	80,812,440
	12/1/2009	55,256								66,759				
	12/8/2009													
	12/15/2009	55,372								66,927				
	12/22/2009	55,432								67,010				
12/28/2009	12/29/2009	55,487	356	38.0	811,680	41,545,920	23.0	491,280	28,409,580	67,095	504	82.0	2,479,680	83,292,120
	1/5/2010	55,549								67,178				
	1/12/2010	55,616								67,266				
	1/19/2010	55,676								67,348				
	1/26/2010	55,739								67,432				
	2/2/2010	55,800								67,515				
2/10/2010	2/9/2010	55,849	362	37.0	803,640	42,349,560	23.0	499,560	28,909,140	67,601	506	49.0	1,487,640	84,779,760
	2/16/2010	55,909								67,683				
	2/23/2010	55,963								67,767				
	3/2/2010	56,008								67,851				
	3/9/2010	50,071								67,935				
	3/16/2010	56,012								68,018				
3/26/2010	3/23/2010	56,182	333	39.0	779,220	43,128,780	3.0	59,940	28,969,080	68,101	500	53.0	1,590,000	86,369,760
	3/30/2010	56,243								68,188				
	4/7/2010	56,316								68,287				
	4/14/2010	56,391								68,364				
	4/21/2010	56,459								68,440				
	4/27/2010	56,575								68,522				
	5/4/2010	56,649								68,606				
	5/11/2010	56,730								68,689				
5/21/2010	5/18/2010	56,874	692	6.0	249,120	43,377,900	1.0	41,520	29,010,600	68,776	675	62.0	2,511,000	88,880,760
	5/25/2010	56,914								68,826				
	6/1/2010	56,969								68,909				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	6/8/2010	57,035								68,997				
	6/15/2010	57,073								69,078				
	6/22/2010	57,115								69,162				
6/28/2010	6/28/2010	57,156	282	36.0	609,120	43,987,020	17.0	287,640	29,298,240	69,246	470	21.0	592,200	89,472,960
	7/6/2010	57,197								69,331				
	7/13/2010	57,235								69,323				
	7/20/2010	57,279								69,497				
	7/27/2010	57,320								69,581				
	8/3/2010	57,362								69,665				
8/11/2010	8/11/2010	57,410	254	39.0	594,360	44,581,380	24.0	365,760	29,664,000	69,761	515	28.0	865,200	90,338,160
	8/17/2010	57,441								69,835				
	8/25/2010	57,493								69,940				
	8/31/2010	57,520								70,001				
	9/7/2010	57,562								70,085				
	9/15/2010	57,610								70,185				
9/23/2010	9/21/2010	57,643	233	35.0	489,300	45,070,680	26.0	363,480	30,027,480	70,253	492	72.0	2,125,440	92,463,600
	9/28/2010	57,684								70,336				
	10/5/2010	57,720								70,422				
	10/12/2010	57,759								70,506				
	10/19/2010	57,798								70,588				
	10/26/2010	57,836								70,673				
	11/2/2010	57,878								70,757				
11/18/2010	11/9/2010	57,920	277	36.0	598,320	45,669,000	34.0	565,080	30,592,560	70,845	592	69.0	2,450,880	94,914,480
	11/16/2010													
	12/8/2010	58,059								71,178				
12/22/2010	12/14/2010	58,094	174	36.0	375,840	46,044,840	41.0	428,040	31,020,600	71,249	404	81.0	1,963,440	96,877,920
	1/4/2011	58,192								71,500				
	1/11/2011	58,228								71,585				
	1/18/2011	58,271								71,670				
	1/25/2011	58,311								71,756				
	2/1/2011	58,350								71,837				
2/9/2011	2/8/2011	58,386	292	65.0	1,138,800	47,183,640	47.4	830,623	31,851,223	71,920	671	102.0	1,787,040	98,664,960
	2/15/2011	58,419								72,004				
	2/22/2011	58,457								72,091				
	3/1/2011	58,487								72,173				
3/10/2011	3/8/2011	58,525	139	55.0	458,700	47,642,340	42.9	357,786	32,209,009	72,259	339	92.0	767,280	99,432,240
	3/15/2011	58,555								72,340				
	3/22/2011	58,593								72,422				
	3/29/2011	58,632								72,508				
	4/5/2011	58,690								72,593				
	4/12/2011	58,730								72,674				
	4/19/2011	58,772								72,760				
	4/26/2011	58,814								72,844				
5/4/2011	5/3/2011	58,855	330	56.0	1,108,800	48,751,140	50.7	1,004,573	33,213,582	72,926	667	86.0	1,702,800	101,135,040
	5/10/2011	58,898								73,012				
	5/17/2011	58,939								73,096				
	5/24/2011	58,978								73,180				
	5/31/2011	58,021								73,265				
	6/7/2011	59,061								73,346				
6/17/2011	6/15/2011	59,111								73,446				
	6/22/2011	59,145								73,516				
	6/28/2011	59,186								73,591				
	7/5/2011	59,228								73,683				
	7/12/2011	59,262								73,767				
	7/19/2011	59,276								73,851				
	7/26/2011	59,282								73,934				
8/4/2011	8/2/2011	59,288	433	57.0	1,480,860	50,232,000	53.1	1,380,162	34,593,744	74,019	1093	84.0	2,182,320	103,317,360
	8/9/2011	59,328								74,103				
	8/16/2011	59,368								74,184				
	8/23/2011	59,407								74,267				
	8/31/2011	59,474								74,365				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	9/5/2011	59,528								74,436				
	9/13/2011	59,571								74,520				
9/20/2011	9/22/2011	59,680	392	67.0	1,575,840	51,807,840	42.3	995,931	35,589,674	74,631	612	99.0	2,328,480	105,645,840
	9/27/2011	59,743								74,688				
	10/4/2011	59,818								74,772				
	10/11/2011	59,898								74,855				
	10/18/2011	59,957								74,940				
	10/25/2011	60,016								75,023				
11/3/2011	11/1/2011	60,127	447	54.0	1,448,280	53,256,120	32.9	883,451	36,473,125	75,108	477	62.0	1,662,840	107,308,680
	11/8/2011	60,256								75,193				
	11/16/2011	60,347								75,290				
	11/22/2011	60,382								75,361				
	12/6/2011	60,460								75,532				
	12/13/2011	60,497								75,614				
	12/20/2011	60,538								75,699				
12/29/2011	12/27/2011	60,562	435	54.0	1,409,400	54,665,520	39.7	1,037,318	37,510,444	75,787	679	78.0	2,035,800	109,344,480
	1/3/2012	60,599								75,865				
	1/10/2012	60,659								75,949				
	1/17/2012													
	1/24/2012	60,740								76,117				
	1/31/2012	60,781								76,201				
2/7/2012	2/7/2012	60,823	261	55.0	861,300	55,526,820	37.0	579,420	38,089,864	76,286	499	51.0	798,660	110,143,140
	2/14/2012	60,868								76,373				
	2/21/2012	60,906								76,453				
	2/28/2012	60,951								76,541				
	3/6/2012	60,990								76,621				
	3/13/2012	61,032								76,706				
	3/20/2012	61,073								76,789				
3/28/2012	3/27/2012	61,115	292	51.0	893,520	56,420,340	42.0	735,840	38,825,704	76,873	587	51.0	893,520	111,036,660
	4/3/2012	61,157								76,957				
	4/10/2012	61,234								77,040				
	4/17/2012	61,295								77,124				
	4/24/2012	61,338								77,209				
	5/1/2012	61,380								77,293				
5/9/2012	5/8/2012	61,439	324	46.0	894,240	57,314,580	29.0	563,760	39,389,464	77,376	503	51.0	991,440	112,028,100
	5/15/2012	61,534								77,462				
	5/22/2012	61,611								77,545				
	5/29/2012	61,672								77,628				
	6/5/2012	61,714								77,712				
	6/12/2012	61,756								77,796				
	6/19/2012	61,823								77,880				
6/27/2012	6/26/2012	61,864	425	81.0	2,065,500	59,380,080	75.0	1,912,500	41,301,964	77,964	588	37.0	943,500	112,971,600
	7/3/2012	61,907								78,046				
	7/10/2012	61,948								78,133				
	7/18/2012	61,996								78,229				
	7/24/2012	62,031								78,300				
	7/31/2012	62,073								78,385				
	8/7/2012	62,117								78,471				
8/9/2012	8/14/2012	62,157	293	74.0	1,300,920	60,681,000	65.0	1,142,700	42,444,664	78,553	589	52.0	914,160	113,885,760
	8/21/2012	62,201								78,640				
	8/28/2012	62,240								78,720				
	9/4/2012	62,284								78,807				
	9/11/2012	62,330								78,899				
	9/18/2012	62,366								78,973				
9/26/2012	9/25/2012	62,407	250	40.0	600,000	61,281,000	35.0	525,000	42,969,664	79,056	503	54.0	810,000	114,695,760
	10/2/2012	62,449								79,139				
	10/9/2012	62,491								79,225				
	10/16/2012	62,534								79,310				
	10/22/2012	62,575								79,393				
	11/6/2012	62,658								79,561				
11/6/2012	11/13/2012	62,703	296	45.0	799,200	62,080,200	43.0	763,680	43,733,344	79,649	593	69.0	1,225,440	115,921,200

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	11/20/2012	62,742								79,728				
	11/27/2012	62,781								79,814				
	12/4/2012	62,825								79,895				
	12/11/2012	62,866								79,979				
	12/18/2012	62,908								80,064				
12/20/2012	12/26/2012	62,956	253	84.0	1,275,120	63,355,320	71.0	1,077,780	44,811,124	80,160	346	67.0	1,017,060	116,938,260
	1/2/2013	62,998								80,244				
	1/8/2013	63,033								80,318				
	1/15/2013	63,065								80,394				
	1/22/2013	63,104								80,478				
1/30/2013	1/29/2013	63,148	192	21.0	241,920	63,597,240	13.4	154,829	44,965,952	80,564	404	14.0	161,280	117,099,540
	2/5/2013	63,184								80,646				
	2/12/2013	63,231								80,736				
	2/19/2013	63,268								80,815				
	2/26/2013	63,309								80,897				
	3/5/2013	63,347								80,976				
	3/12/2013	63,389								81,059				
	3/19/2013	63,431								81,143				
3/21/2013	3/26/2013	63,473	325	26.0	507,000	64,104,240	15.1	294,060	45,260,012	81,228	664	17.0	331,500	117,431,040
	4/2/2013	63,511								81,311				
	4/9/2013	63,556								81,395				
	4/16/2013	63,594								81,479				
	4/23/2013	63,633								81,569				
4/30/2013	4/30/2013	63,666	193	24.0	277,920	64,382,160	14.6	168,975	45,428,988	81,647	419	14.0	162,120	117,593,160
	5/7/2013	63,705								81,731				
	5/14/2013	63,744								81,815				
	5/21/2013	63,784								81,898				
	5/28/2013	63,818								81,980				
	6/4/2013	63,861								82,067				
	6/11/2013	63,901								82,149				
6/18/2013	6/18/2013	63,942	276	27.0	447,120	64,829,280	19.4	321,926	45,750,914	82,233	586	17.0	281,520	117,874,680
	6/25/2013	63,987								82,320				
	7/2/2013	64,028								82,405				
	7/9/2013	64,067								82,485				
	7/16/2013	64,125								82,569				
	7/23/2013	64,182								82,653				
	7/30/2013	64,225								82,738				
8/1/2013	8/6/2013	64,268	326	15.0	293,400	65,122,680	9.2	179,561	45,930,475	82,823	590	15.0	293,400	118,168,080
	8/13/2013	64,309								82,907				
	8/20/2013	64,349								82,989				
	8/27/2013	64,393								83,077				
	9/4/2013	64,470								83,159				
	9/10/2013	64,509								83,241				
	9/17/2013	64,553								83,327				
9/19/2013	9/24/2013	64,593	325	20.0	390,000	65,512,680	15.9	310,440	46,240,915	83,409	586	15.0	292,500	118,460,580
	10/1/2013	64,636								83,495				
	10/8/2013	64,677								83,578				
	10/15/2013	64,717								83,661				
	10/22/2013	64,762								83,749				
10/29/2013	10/29/2013	64,819	226	34.0	461,040	65,973,720	18.8	255,416	46,496,331	83,831	422	9.0	122,040	118,582,620
	11/5/2013	64,860								83,914				
	11/12/2013	64,890								83,998				
	11/26/2013	64,970								84,160				
	12/3/2013	65,012								84,250				
	12/10/2013	65,051								84,334				
	12/17/2013	65,096								84,422				
	12/24/2013	65,141								84,510				
12/17/2013	12/31/2013	65,243	424	39.0	992,160	66,965,880	23.2	591,327	47,087,658	84,585	754	12.0	305,280	118,887,900
	1/8/2014	65,289								84,672				
	1/14/2014	65,328								84,750				
	1/21/2014	65,368								84,833				
	1/28/2014	35,048								84,916				
	2/4/2014	65,449								85,000				
2/13/2014	2/11/2014	65,478	235	27.0	380,700	67,346,580	16.1	226,897	47,314,556	85,084	499	11.0	155,100	119,043,000
	2/18/2014	65,515								85,164				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	2/25/2014	65,555								85,212				
	3/4/2014	65,598								85,300				
	3/11/2014	65,640								85,380				
	3/18/2014	65,663								85,465				
	3/25/2014	65,693								85,549				
	4/1/2014	65,718								85,630				
	4/8/2014	65,742								85,714				
	4/15/2014	65,769								85,800				
	4/22/2014	65,787								85,881				
	4/29/2014	65,803								85,966				
5/7/2014	5/6/2014	65,826	348	34.0	709,920	68,056,500	20.3	423,112	47,737,668	86,049	965	0.0	0	119,043,000
	5/20/2014	65,880								86,218				
	6/3/2014	65,974								86,391				
	6/10/2014	66,012								86,474				
6/18/2014	6/17/2014	66,052	226	14.0	189,840	68,246,340	8.3	113,145	47,850,813	86,556	507	0.0	0	119,043,000
	6/24/2014	66,092								86,638				
	7/1/2014	66,133								86,723				
	7/8/2014	66,174								86,806				
	7/16/2014	66,224								86,904				
	7/22/2014	66,257								86,973				
	7/29/2014	66,299								87,059				
8/5/2014	8/5/2014	66,340	288	30.1	520,128	68,766,468	17.9	309,996	48,160,809	87,141	585	0.0	0	119,043,000
	8/12/2014	66,382								87,225				
	8/19/2014	66,464								87,313				
	8/26/2014	66,507								87,393				
	9/2/2014	66,591								87,480				
	9/9/2014	66,547								87,562				
9/16/2014	9/16/2014	66,591	251	25.3	381,018	69,147,486	15.1	227,087	48,387,896	87,649	508	0.0	0	119,043,000
	9/23/2014	66,630								87,730				
	9/30/2014	66,669								87,813				
	10/7/2014	66,713								87,901				
	10/14/2014	66,749								87,984				
	10/21/2014	66,789								88,068				
10/29/2014	10/28/2014	66,830	239	23.4	335,556	69,483,042	13.9	199,991	48,587,887	88,150	501	0.0	0	119,043,000
	11/4/2014	66,892								88,236				
	11/18/2014	66,974								88,403				
	11/25/2014	67,016								88,487				
	12/2/2014	67,016								88,571				
	12/9/2014	67,093								88,655				
12/16/2014	12/16/2014	67,129	299	41.0	735,540	70,218,582	30.3	542,829	49,130,716	88,728	578	0.0	0	119,043,000
	12/23/2014	67,206								88,814				
	12/30/2014	67,247								88,899				
	1/6/2015	67,291								88,987				
	1/13/2015	67,329								89,065				
	1/20/2015	67,370								89,149				
	1/27/2015	67,485								89,234				
2/3/2015	2/3/2015	67,517	388	41.2	959,136	71,177,718	24.9	579,318	49,710,034	89,317	589	0.0	0	119,043,000
	2/10/2015	67,557								89,400				
	2/17/2015	67,598								89,485				
	2/24/2015	67,637								89,567				
	3/3/2015	67,667								89,650				
	3/10/2015	67,717								89,733				
3/18/2015	3/17/2015	67,758	241	45.5	657,930	71,835,648	24.7	356,598	50,066,632	89,824	507	21.4	650,988	119,693,988
	3/24/2015	67,790								89,904				
	3/31/2015	67,825								89,986				
	4/7/2015	67,861								90,069				
	4/14/2015	67,897								90,154				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	4/21/2015	67,936								90,239				
4/29/2015	4/28/2015	67,975	217	44.0	572,880	72,408,528	24.1	313,938	50,380,570	90,323	499	13.4	401,196	120,095,184
	5/5/2015	68,014								90,407				
	5/12/2015	68,054								90,491				
	5/19/2015	68,095								90,576				
	5/26/2015	68,134								90,658				
	6/2/2015	68,170								90,744				
	6/9/2015	68,209								90,826				
6/16/2015	6/16/2015	68,250	275	41.9	691,350	73,099,878	24.0	395,452	50,776,022	90,909	586	17.6	618,816	120,714,000
	6/23/2015	68,377								90,995				
	6/30/2015	68,450								91,076				
	7/7/2015	68,513								91,162				
	7/14/2015	68,268								91,247				
	7/21/2015	68,589								91,329				
	7/28/2015	68,666								91,413				
8/4/2015	8/11/2015	68,831	581	43.9	1,530,354	74,630,232	20.5	713,145	51,489,167	91,586	677	0.0	0	120,714,000
	8/18/2015	68,893								91,666				
	8/25/2015	68,941								91,749				
	9/1/2015	69,033								91,832				
	9/8/2015	69,074								91,918				
9/15/2015	9/15/2015	69,145	314	42.3	796,932	75,427,164	21.3	401,654	51,890,821	91,997	411	16.7	411,822	121,125,822
	9/22/2015	69,199								92,086				
	9/29/2015	69,283								92,166				
	10/6/2015	69,344								92,253				
	10/13/2015	69,395								92,340				
	10/20/2015	69,395								92,418				
10/28/2015	10/27/2015	69,466	321	38.7	745,362	76,172,526	22.6	435,291	52,326,112	92,502	505	19.1	578,730	121,704,552
	11/3/2015	69,533								92,588				
	11/10/2015	69,553								92,672				
	11/17/2015	69,621								92,755				
	11/24/2015	69,674								92,839				
	12/1/2015	69,694								92,925				
12/10/2015	12/8/2015	69,759	293	40.4	710,232	76,882,758	25.5	448,867	52,774,979	93,010	508	5.3	161,544	121,866,096
	12/15/2015	69,809								93,093				
	12/22/2015	69,835								93,175				
	12/29/2015	69,871								93,259				
	12/30/2015	69,882								93,290				
	1/5/2016	69,879								93,344				
	1/12/2016	69,925								93,430				
	1/19/2016	69,957								93,518				
	1/26/2016	69,957								93,596				
2/3/2016	2/2/2016	70,020	261	0.0	0	76,882,758	0.0	0	52,774,979	93,680	670	0.0	0	121,866,096
	2/9/2016	70,085								93,760				
	2/16/2016	70,114								93,844				
	2/23/2016	70,155								93,929				
	3/1/2016	70,178								94,013				
	3/8/2016	70,221								94,096				
	3/15/2016	70,278								94,179				
3/23/2016	3/21/2016	70,312	292	0.0	0	76,882,758	0.0	0	52,774,979	94,262	582	0.0	0	121,866,096
	3/29/2016	70,363								94,346				
	4/5/2016	70,407								94,430				
	4/12/2016	70,408								94,515				
	4/19/2016	70,496								94,599				
	4/25/2016	70,533								94,681				
	5/3/2016	70,607								94,765				
5/12/2016	5/10/2016	70,657	345	50.0	1,035,000	77,917,758	22.2	459,540	53,234,519	94,852	590	18.0	637,200	122,503,296
	5/17/2016	70,699								94,888				
	5/24/2016	70,702								94,896				
	5/31/2016	70,702								94,986				
	6/7/2016	70,710								94,921				
	6/14/2016	70,728								94,949				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	6/21/2016	70,741								94,987				
	6/28/2016	70,754								95,023				
	7/5/2016	70,754								95,062				
	7/12/2016	70,759								95,077				
7/25/2016	7/19/2016	70,761	104	51.0	318,240	78,235,998	46.9	292,781	53,527,300	95,080	228	0.0	0	122,503,296
	7/26/2016	70,773								95,102				
	8/2/2016	70,775								95,105				
	8/9/2016	70,775								95,105				
	8/16/2016	70,775								95,105				
	8/23/2016	70,775								95,105				
	8/30/2016	70,775								95,105				
	9/6/2016	70,775								95,105				
	9/12/2016	70,775								95,105				
	9/20/2016	70,775								95,105				
	9/27/2016	70,775								95,105				
	10/4/2016	70,775								95,105				
	10/11/2016	70,775								95,105				
	10/18/2016	70,775								95,105				
	11/1/2016	70,775								95,105				
	11/2/2016	70,775								95,105				
	11/3/2016	--								--				
	11/9/2016	70,791								95,133				
11/18/2016	11/15/2016	70,805	44	50.0	132,000	78,367,998	50.7	133,848	53,661,148	95,168	88	33.0	174,240	122,677,536
	11/22/2016	70,816								95,213				
	11/29/2016	70,836								95,253				
	12/6/2016	70,828								95,294				
	12/13/2016	70,836								95,339				
12/20/2016	12/20/2016	70,848	43	50.0	129,000	78,496,998	48.1	124,098	53,785,246	95,379	211	29.0	367,140	123,044,676
	12/27/2016	70,859								95,422				
	12/31/2016	70,865								95,440				
	1/3/2017	70,871								95,463				
	1/10/2017	70,874								95,506				
	1/17/2017	70,885								95,547				
2/1/2017	1/31/2017	70,891	43	32.0	82,560	78,579,558	29.1	74,964	53,860,210	95,583	204	19.6	239,904	123,284,580
	2/7/2017	70,914								95,672				
	2/14/2017	70,924								95,710				
	2/26/2017	70,930								95,756				
	2/28/2017	70,934								95,794				
	3/7/2017	70,944								95,836				
	3/14/2017	70,954								95,878				
	3/21/2017	70,962								95,924				
	3/28/2017	70,972								96,036				
	4/4/2017	70,980								96,201				
	4/11/2017	70,984								96,371				
	4/25/2017	71,002								96,708				
5/4/2017	5/2/2017	71,002	111	38.8	258,408	78,837,966	36.9	246,004	54,106,215	96,874	1,291	20.1	1,556,946	124,841,526
	5/9/2017	71,012								96,984				
	5/16/2017	71,023								97,001				
	5/23/2017	71,043								97,037				
	5/30/2017	71,053								97,085				
	6/6/2017	71,061								97,127				
	6/13/2017	71,069								97,163				
	6/20/2017	71,084								97,211				
	6/27/2017	71,094								97,247				
	5/16/2017	71,023								97,001				
	5/23/2017	71,043								97,037				
	5/30/2017	71,053								97,085				
	6/6/2017	71,061								97,127				
6/14/2017	6/13/2017	71,069	67	39.3	157,986	78,995,952	38.0	152,614	54,258,829	97,163	289	20.4	353,736	125,195,262
	6/20/2017	71,084								97,211				
	6/27/2017	71,094						36		97,247				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	7/25/2017	71,135								97,421				
8/2/2017	8/1/2017	71,145	76	35.7	162,792	79,158,744	35.1	160,187	54,419,016	97,463	300	21.0	378,000	125,573,262
	8/9/2017	71,162								97,505				
	8/15/2017	71,174								97,541				
	8/22/2017	71,186								97,589				
	8/29/2017	71,198								97,627				
	9/5/2017	71,205								97,667				
	9/12/2017	71,215								97,709				
	9/19/2017	71,227								97,751				
9/27/2017	9/26/2017	71,235	90	30.3	163,620	79,322,364	29.9	161,657	54,580,673	97,797	334	18.9	378,756	125,952,018
	10/3/2017	71,271								97,841				
	10/10/2017	71,285								97,885				
	10/17/2017	71,291								97,923				
	10/24/2017	71,303								97,969				
	10/31/2017	71,315								98,012				
11/8/2017	11/7/2017	71,323	88	36.2	191,136	79,513,500	35.2	185,784	54,766,457	98,053	256	21.2	325,632	126,277,650
	11/14/2017	71,338								98,097				
	11/21/2017	71,350								98,139				
	11/28/2017	71,358								98,175				
	12/2/2017	71,368								98,218				
12/15/2017	12/12/2017	71,376	53	31.1	98,898	79,612,398	30.8	97,909	54,864,366	98,262	209	21.6	270,864	126,548,514
	12/19/2017	71,387								98,304				
	12/26/2017	71,395								98,345				
	1/2/2018	71,399								98,389				
	1/9/2018	71,409								98,429				
	1/16/2018	71,421								98,475				
	1/23/2018	71,431								98,516				
	1/30/2018	71,441								98,558				
2/8/2018	2/6/2018	71,450	74	39.0	173,349	79,785,747	42.2	187,564	55,051,930	98,598	336	23.5	474,414	127,022,928
	2/13/2018	71,468								98,647				
	2/20/2018	71,474								98,686				
	2/27/2018	71,482								98,731				
	3/6/2018	71,494								98,773				
	3/13/2018	71,502								98,809				
	3/20/2018	71,510								98,851				
3/28/2018	3/27/2018	71,518	68	41.3	168,470	79,954,217	40.8	166,448	55,218,378	98,893	295	25.4	449,456	127,472,384
	4/3/2018	71,521								98,903				
	4/10/2018	71,521								98,903				
	4/17/2018	71,527								98,934				
	4/24/2018	71,539								98,976				
	5/1/2018	71,551								99,013				
	5/8/2018	71,561								99,057				
5/16/2018	5/15/2018	71,569	51	41.2	126,218	80,080,435	46.7	142,879	55,361,257	99,096	203	30.2	367,452	127,839,836
	5/22/2018	71,577								99,142				
	5/29/2018	71,577								99,186				
	6/5/2018	71,587								99,229				
	6/12/2018	71,597								99,265				
	6/19/2018	71,607								99,313				
	6/26/2018	71,619								99,355				
7/5/2018	7/3/2018	71,631	62	42.9	159,686	80,240,121	46.8	174,058	55,535,315	99,393	297	29.8	531,803	128,371,639
	7/10/2018	71,646								99,393				
	7/17/2018	71,658								99,438				
	7/24/2018	71,670								99,483				
	7/31/2018	71,678								99,567				
	8/7/2018	71,688								99,603				
8/20/2018	8/14/2018	71,696	65	40.9	159,320	80,399,441	42.2	164,737	55,700,051	99,645	252	30.0	453,217	128,824,856
	8/21/2018	71,712								99,696				
	8/28/2018	71,722								99,736				
	9/4/2018	71,728								99,776				
9/17/2018	9/11/2018	71,738	42	48.5	122,157	80,521,598	52.2	131,441	55,831,492	99,816	171	30.2	309,560	129,134,416
	9/18/2018	71,750								99,865				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	9/26/2018	71,768								99,907				
	10/2/2018	71,776								99,943				
	10/9/2019	71,794								99,991				
	10/16/2018	71,812								100,031				
	10/23/2018	71,830								100,075				
	10/30/2018	71,848								100,116				
11/7/2018	11/6/2018	71,863	125	41.3	309,813	80,831,411	42.6	319,728	56,151,220	100,159	343	33.1	682,018	129,816,434
	11/13/2018	71,882								100,203				
	11/20/2018	71,899								100,242				
	11/27/2018	71,915								100,282				
12/10/2018	12/4/2018	71,933	70	43.9	184,402	81,015,814	43.6	183,296	56,334,516	100,328	169	37.7	382,242	130,198,676
	12/11/2018	71,949								100,366				
	12/18/2018	71,967								100,409				
	12/26/2018	71,989								100,458				
	1/2/2019	72,002								100,496				
	1/8/2019	72,017								100,533				
	1/15/2019	72,035								100,578				
	1/22/2019	72,053								100,618				
	1/29/2019	72,071								100,662				
	2/5/2019	72,083								100,702				
2/11/2019	2/12/2019	72,101	168	44.0	443,520	81,459,334	42.9	431,988	56,766,504	100,746	418	43.6	1,092,439	131,291,115
	2/19/2019	72,113								100,791				
	2/26/2019	72,131								100,828				
	3/5/2019	72,148								100,872				
	3/12/2019	72,164								100,911				
3/21/2019	3/19/2019	72,182	81	43.1	209,390	81,668,723	38.6	187,613	56,954,117	100,953	207	42.7	530,018	131,821,133
	3/26/2019	72,198								100,998				
	4/2/2019	72,214								101,038				
	4/9/2019	72,228								101,080				
	4/16/2019	72,246								101,122				
	4/23/2019	72,264								101,164				
5/1/2019	4/30/2019	72,280	98	43.4	255,330	81,924,053	39.4	231,839	57,185,957	101,208	255	61.6	942,850	132,763,983
	5/7/2019	72,299								101,253				
	5/14/2019	72,317								101,296				
	5/21/2019	72,331								101,335				
	5/28/2019	72,349								101,382				
	6/4/2019	72,367								101,419				
	6/11/2019	72,385								101,463				
6/20/2019	6/18/2019	72,403	123	41.6	307,274	82,231,327	37.7	278,390	57,464,347	101,503	295	64.8	1,146,397	133,910,380
	6/25/2019	72,424								101,549				
	7/4/2019	72,446								101,603				
	7/9/2019	72,458								101,633				
	7/16/2019	72,476								101,677				
7/24/2019	7/24/2019	72,501	98	41.9	246,415	82,477,742	38.8	228,181	57,692,527	101,730	227	68.8	937,365	134,847,745
	7/30/2019	72,514								101,761				
	8/6/2019	72,532								101,805				
	8/13/2019	72,550								101,845				
	8/20/2019	72,585								101,892				
	8/27/2019	72,501								101,933				
	9/3/2019	72,603								101,975				
	9/10/2019	72,621								102,013				
	9/17/2019	72,639								102,061				
9/26/2019	9/24/2019	72,657	156	42.1	393,594	82,871,337	38.5	360,532	58,053,060	102,099	369	69.0	1,528,557	136,376,302
	10/1/2019	72,680								102,144				
	10/8/2019	72,698								102,187				
	10/15/2019	72,716								102,223				
	10/22/2019	72,732								102,268				
10/28/2019	10/29/2019	72,752	95	42.3	241,331	83,112,668	37.8	215,268	58,268,328	102,309	210	66.1	832,610	137,208,912
	11/5/2019	72,770								102,351				
	11/12/2019	72,788								102,396				
	11/19/2019	72,805								102,437				
	11/26/2019	72,823								102,477				
	12/3/2019	72,841								102,519				
	12/10/2019	72,859								102,561				
12/17/2019	12/17/2019	72,877	125	42.4	317,676	83,430,344	36.3	271,931	58,540,259	102,603	294	65.9	1,161,964	138,370,875

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	12/26/2019	72,901								102,661				
	12/31/2019	72,909								102,693				
	1/7/2020	72,927								102,731				
	1/14/2020	72,945								102,777				
	1/21/2020	72,960								102,817				
	1/28/2020	72,978								102,859				
2/4/2020	2/4/2020	72,996	119	53.5	381,990	83,812,334	35.7	255,169	58,795,428	102,899	296	43.6	774,336	139,145,211
	2/11/2020	73,018								102,947				
	2/18/2020	73,036								102,990				
	2/25/2020	73,054								103,028				
	3/3/2020	73,072								103,071				
	3/10/2020	73,089								103,111				
	3/17/2020	73,107								103,153				
3/24/2020	3/24/2020	73,125	129	42.7	330,498	84,142,832	36.7	284,228	59,079,656	103,195	296	49.7	882,672	140,027,883
	3/31/2020	73,145								103,243				
	4/7/2020	73,163								103,285				
	4/14/2020	73,181								103,325				
	4/21/2020	73,199								103,371				
	4/28/2020	73,215								103,407				
	5/5/2020	73,233								103,451				
5/12/2020	5/12/2020	73,252	127	41.6	316,992	84,459,824	34.0	259,299	59,338,956	103,494	299	49	879,060	140,906,943
	5/19/2020	73,275								103,538				
	5/26/2020	73,285								103,580				
	6/2/2020	73,301								103,622				
	6/9/2020	73,319								103,668				
	6/16/2020	73,331								103,711				
	6/23/2020	73,345								103,748				
6/26/2020	6/30/2020	73,364	112	42.8	287,616	84,747,440	34.8	234,119	59,573,075	103,792	298	57	1,019,160	141,926,103
	7/7/2020	73,381								103,835				
	7/14/2020	73,399								103,876				
	7/21/2020	73,417								103,918				
	7/28/2020	73,435								103,965				
	8/3/2020	73,453								104,005				
	8/11/2020	73,471								104,044				
8/12/2020	8/18/2020	73,494	130	42.8	333,840	85,081,280	34.0	265,069	59,838,144	104,090	298	57.2	1,022,736	142,948,839
	8/25/2020	73,510								104,134				
	9/1/2020	73,528								104,176				
9/8/2020	9/8/2020	73,541	47	42.3	119,286	85,200,566	30.5	85,886	59,924,030	104,221	131	53.9	423,654	143,372,493
	9/17/2020	73,566								104,272				
	9/22/2020	73,578								104,301				
	9/29/2020	73,591								104,346				
	10/6/2020	73,609								104,391				
	10/13/2020	73,632								104,438				
	10/20/2020	73,645								104,475				
	10/27/2020	73,663								104,517				
11/5/2020	11/3/2020	73,680	139	43.4	361,956	85,562,522	36.0	300,423	60,224,453	104,553	332	55.1	1,097,592	144,470,085
	11/10/2020	73,707								104,602				
	11/17/2020	73,723								104,641				
	11/24/2020	73,741								104,680				
	12/1/2020	73,758								104,720				
12/8/2020	12/8/2020	73,777	97	43.2	251,424	85,813,946	32.7	190,579	60,415,033	104,762	209	56.6	709,764	145,179,849
	12/15/2020	73,802								104,805				
	12/22/2020	73,817								104,847				
	12/29/2020	73,835								104,890				
	1/5/2021	73,853								104,932				
	1/12/2021	73,871								104,978				
	1/19/2021	73,883								105,015				
	1/26/2021	73,901								105,055				
	2/2/2021	73,919								105,099				
	2/9/2021	73,939								105,137				
	2/16/2021	73,957								105,185				
	2/22/2021	73,975								105,224				
	3/2/2021	73,993								105,266				
	3/9/2021	74,011								105,305				
3/16/2021	3/16/2021	74,029	252	43.6	659,928	86,473,875	31.4	475,148	60,890,181	105,347	585	62.4	2,189,987	147,369,837

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft ³)	Flow @ 50% CH ₄ (scfm)	Monthly Volume @ 50% CH ₄ (ft ³)	Accum. Volume @ 50% CH ₄ (ft ³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft ³)	Accum. Volume (ft ³)
	3/23/2021	74,055								105,392				
	3/30/2021	74,073								105,440				
	4/6/2021	74,091								105,480				
4/14/2021	4/13/2021	74,109	80	43.1	206,696	86,680,571	31.1	149,235	61,039,416	105,522	175	61.4	644,256	148,014,093
	4/20/2021	74,120								105,568				
	4/27/2021	74,126								105,610				
	5/4/2021	74,132								105,652				
	5/11/2021	74,138								105,690				
	5/18/2021	74,146								105,748				
5/26/2021	5/25/2021	74,150	41	42.8	105,285	86,785,855	35.1	86,333	61,125,749	105,779	257	61.1	942,759	148,956,852
	6/1/2021	74,161								105,820				
	6/8/2021	74,167								105,864				
	6/15/2021	74,172								105,903				
	6/22/2021	74,178								105,948				
	6/29/2021	74,184								105,990				
7/6/2021	7/6/2021	74,194	44	42.6	112,521	86,898,376	36.5	96,318	61,222,067	106,032	253	60.8	922,492	149,879,344
	7/13/2021	74,203								106,077				
	7/20/2021	74,209								106,120				
	7/28/2021	74,214								106,165				
	8/3/2021	74,220								106,206				
	8/10/2021	74,226								106,248				
	8/17/2021	74,232								106,290				
	8/31/2021	74,244								106,369				
	9/7/2021	74,250								106,415				
	9/14/2021	74,262								106,461				
	9/22/2021	74,268								106,504				
	9/29/2021	74,274								106,542				
	10/5/2021	74,280								106,587				
	10/13/2021	74,286								106,630				
	10/20/2021	74,293								106,676				
	10/26/2021	74,298								106,712				
11/2/2021	11/2/2021	74,303	109	43.2	282,443	87,180,820	40.9	267,756	61,489,823	106,750	718	61.7	2,657,218	152,536,561
	11/9/2021	74,317								106,800				
	11/16/2021	74,322								106,835				
	11/23/2021	74,328								106,877				
12/1/2021	11/30/2021	74,334	31	44.2	82,217	87,263,036	42.7	79,421	61,569,245	106,919	169	61.3	622,080	153,158,641
	12/7/2021	74,344								106,963				
	12/24/2021	74,349								107,005				
	12/21/2021	74,355								107,047				
	1/4/2022	74,366								107,131				
	1/11/2022	74,372								107,173				
1/18/2022	1/18/2022	74,378	29	44.6	77,653	87,340,689	44.9	78,118	61,647,363	107,209	290	75.7	1,317,180	154,475,821
	1/26/2022	74,390								107,262				
	2/15/2022	74,406								107,385				
	2/23/2022	74,414								107,433				
3/2/2022	3/2/2022	74,418	40	44.3	106,234	87,446,923	42.5	101,985	61,749,348	107,470	261	61.5	963,642	155,439,464
	3/8/2022	74,429								107,513				
	3/15/2022	74,434								107,553				
	3/24/2022	74,441								107,607				
	3/30/2022	74,446								107,644				
	4/5/2022	74,451								107,644				
	4/12/2022	74,457								107,717				
4/19/2022	4/20/2022	74,469	51	63.1	193,222	87,640,145	58.9	180,083	61,929,431	107,769	299	57.1	1,024,920	156,464,383
	4/26/2022	74,475								107,805				
	5/4/2022	74,482								107,857				
	5/17/2022	74,492								107,931				
	5/24/2022	74,498								107,976				
6/1/2022	5/31/2022	74,504	35	44.0	92,354	87,732,500	40.7	85,520	62,014,951	108,015	246	61.8	912,165	157,376,548
	6/7/2022	74,513								108,025				
	6/14/2022	74,519								108,025				
7/7/2022	6/23/2022	74,527	23	43.3	59,820	87,792,320	31.3	43,190	62,058,141	108,242	227	61.1	831,973	158,208,521
	8/4/2022	74,570								108,752				
	8/9/2022	74,574								108,783				
8/17/2022	8/17/2022	74,584	57	43.6	149,217	87,941,537	38.1	130,416	62,188,557	108,833	591	61.3	2,172,090	160,380,611
	8/23/2022	74,588								108,865				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft³)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft³)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft³)	Accum. Volume @ 50% CH4 (ft³)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft³)	Accum. Volume (ft³)
	8/31/2022	74,594								108,913				
	9/7/2022	74,602								108,960				
	9/13/2022	74,606								108,991				
	9/30/2022	74,613								109,044				
	10/7/2022	74,628								109,140				
	10/11/2022	74,630								109,163				
10/17/2022	10/18/2022	74,639	55	43.9	144,993	88,086,530	39.5	130,204	62,318,761	109,202	369	61.8	1,368,577	161,749,187
	10/25/2022	74,646								109,254				
	11/2/2022	74,652								109,297				
	11/17/2022	74,665								109,382				
	11/30/2022	74,676								109,457				
12/8/2022	12/6/2022	74,680	41	44.7	109,898	88,196,428	37.3	91,655	62,410,415	109,496	294	62.9	1,109,012	162,858,199
	12/13/2022	74,693								109,535				
	12/27/2022	74,704								109,621				
	2/7/2023	74,739								109,871				
	2/14/2023	74,744								109,913				
	2/28/2023	74,755								109,997				
	3/7/2023	74,761								110,044				
	3/14/2023	74,766								110,081				
	3/20/2023	74,770								110,117				
	3/28/2023	74,784								110,211				
	4/10/2023	74,788								110,243				
4/18/2023	4/26/2023	74,808	128	44.7	343,603	88,540,031	37.0	284,503	62,694,919	110,346	850	62.9	3,209,940	166,068,139
	5/4/2023	74,815								110,390				
	5/18/2023	74,827								110,478				
	5/30/2023	74,836								110,546				
6/6/2023	6/6/2023	74,836	28	43.8	73,634	88,613,665	38.7	65,093	62,760,012	110,588	242	61.7	895,158	166,963,297
	6/13/2023	74,846								110,594				
	6/28/2023	74,860								110,594				
	7/11/2023	74,870								110,666				
	7/20/2023	74,878								110,722				
7/24/2023	7/26/2023	74,887	51	44.0	134,579	88,748,244	38.7	118,429	62,878,441	110,759	171	62.0	636,428	167,599,725
	8/2/2023	74,893								110,801				
	8/16/2023	74,905								110,885				
	8/29/2023	74,917								110,967				
9/12/2023	9/12/2023	74,928	41	44.1	108,437	88,856,681	35.9	88,268	62,966,709	111,047	288	62.1	1,073,779	168,673,504
	9/19/2023	74,936								111,096				
	10/11/2023	74,956								111,235				
10/23/2023	10/23/2023	74,967	39	44.5	104,060	88,960,741	46.6	109,055	63,075,763	111,300	253	62.8	953,304	169,626,808
	11/1/2023	74,978								111,354				
	11/8/2023	74,983								111,396				
	11/13/2023	74,987								111,426				
	11/30/2023	75,003								111,528				
12/5/2023	12/6/2023	75,012	45	44.5	120,150	89,080,891	48.4	130,723	63,206,486	111,568	268	62.6	1,006,769	170,633,577
	12/18/2023	75,022								111,642				
	12/27/2023	75,029								111,693				
Total Hours		32,019								Total Hours	62,499			
Avg hrs./day		5.11								Avg hrs./day	9.96			
Total Days Operational		6,272												

Table 10. LFG and SVE System Flow Rates
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date	SVE System				LFG System				
	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Flow @ 50% CH ₄ (scfm)
1/13/2006	4.4	19.6	0.2	94.0	29.3	21.0	0.1	120.0	70.3
3/1/2006	4.0	18.5	1.3	85.0	30.5	19.7	0.6	87.0	53.1
4/3/2006	3.2	18.0	1.7	77.0	33.8	20.6	1.1	88.0	59.5
5/1/2006	2.6	15.2	4.3	81.0	27.8	19.1	1.1	82.0	45.6
6/5/2006	2.9	16.7	2.4	65.0	32.8	20.5	0.3	83.0	54.4
7/13/2006	2.9	16.3	2.8	81.0	32.1	21.1	0.5	53.0	34.0
8/18/2006	2.7	15.8	3.0	81.0	29.1	20.8	0.5	73.0	42.5
9/14/2006	2.8	15.9	3.1	87.0	32.2	21.8	0.4	62.0	39.9
10/19/2006	2.8	16.0	3.3	93.0	33.3	21.3	0.4	63.0	42.0
12/4/2006	3.0	16.1	3.3	93.0	34.0	21.0	0.7	75.0	51.0
1/15/2007	2.8	16.0	3.0	90.0	33.6	20.0	0.6	49.0	32.9
2/23/2007	1.8	10.0	10.0	88.0	33.2	19.3	1.0	86.0	57.1
3/23/2007	3.2	15.6	3.4	84.0	37.9	25.0	0.0	86.0	65.2
5/1/2007	2.8	15.3	3.5	86.0	34.3	20.1	0.1	58.0	39.8
5/17/2007	2.9	14.9	3.6	86.0	33.7	20.3	0.2	56.0	37.7
6/14/2007	2.9	14.9	3.9	84.0	32.8	21.6	0.4	67.0	44.0
7/19/2007	2.9	14.5	3.9	80.0	36.5	22.2	0.5	N/M	
8/8/2007	2.9	14.4	4.5	87.0	32.6	20.9	2.7	46.0	30.0
9/7/2007	3.0	14.8	4.1	86.0	34.3	21.3	2.6	42.0	28.8
10/26/2007	3.2	15.0	4.0	94.0	34.5	19.5	4.0	44.0	30.4
11/26/2007	3.2	15.6	3.8	92.0	40.1	19.1	3.6	45.0	36.1
12/12/2007	3.3	15.3	3.6	91.0	41.8	20.0	2.5	85.0	71.1
1/30/2008	3.0	14.7	3.9	91.0	45.4	20.3	0.3	47.0	42.7
2/27/2008	2.9	14.7	4.2	91.0	29.8	18.4	0.9	59.0	35.2
3/18/2008	3.4	12.2	4.5	87.0	32.3	17.2	1.0	43.0	27.8
3/19/2008	3.5	14.5	3.9	81.0	46.5	19.4	0.0	39.0	36.3
8/26/2008	2.4	11.9	6.5	86.0	27.5	20.3	0.7	45.0	24.8
9/24/2008	2.7	12.6	6.2	90.0	29.0	21.3	0.3	45.0	26.1
10/29/2008	2.5	12.4	6.6	87.0	39.6	20.5	0.4	35.0	27.7
11/25/2008	2.8	12.8	6.2	88.0	34.3	19.6	0.2	34.0	23.3
12/30/2008	2.8	13.0	6.0	89.0	36.9	17.7	0.0	24.0	17.7
1/28/2009	2.4	12.8	11.4	86.0	39.0	19.5	0.0	31.0	24.2
2/24/2009	2.7	14.1	4.5	86.0	42.7	19.4	0.0	37.0	31.6
3/23/2009	2.7	14.4	4.4	87.0	39.8	19.6	0.0	38.0	30.2
4/20/2009	2.5	12.4	5.4	86.0	32.0	17.6	1.3	37.0	23.7
5/18/2009	2.0	12.7	5.8	84.0	33.9	18.3	0.6	36.0	24.4
6/25/2009	2.2	13.3	5.6	84.0	29.4	22.0	0.9	38.0	22.3
7/16/2009	2.5	14.3	4.4	83.0	31.7	21.5	0.9	41.0	26.0
8/26/2009	2.0	12.4	5.4	82.0	32.0	21.0	0.2	35.0	22.4
9/22/2009	3.8	15.2	0.5	67.0	42.0	21.5	0.0	37.0	31.1
11/23/2009	3.4	14.7	2.5	67.0	29.4	18.4	0.9	38.0	22.3
12/28/2009	8.9	14.1	3.7	82.0	30.3	17.5	1.8	38.0	23.0
2/10/2010	8.9	14.1	4.2	49.0	30.9	18.2	0.5	37.0	22.9
3/26/2010	0.0	8.1	3.8	53.0	4.0	8.9	1.6	39.0	3.1
5/21/2010	16.2	17.4	0.2	62.0	4.6	3.5	15.4	6.0	0.6
6/28/2010	12.8	17.7	0.9	21.0	24.0	18.7	0.6	36.0	17.3

Table 10. LFG and SVE System Flow Rates
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date	SVE System				LFG System				
	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Flow @ 50% CH ₄ (scfm)
8/11/2010	14.1	16.1	2.2	28.0	30.3	19.2	0.4	39.0	23.6
9/23/2010	4.5	22.7	3.0	72.0	36.8	35.6	0.0	35.0	25.8
11/18/2010	2.1	16.0	4.6	69.0	46.6	24.2	0.0	36.0	33.6
12/22/2010	2.0	12.8	6.1	81.0	56.7	24.0	0.5	36.0	40.8
2/9/2011	1.5	13.5	7.6	102.0	43.1	16.8	0.7	55.0	47.4
3/10/2011	1.8	11.7	7.9	92.0	39.0	16.8	2.5	55.0	42.9
5/4/2011	3.6	13.5	5.8	86.0	45.3	19.2	1.3	56.0	50.7
8/4/2011	5.2	14.6	4.2	84.0	46.6	24.5	0.1	57.0	53.1
9/20/2011	4.3	12.5	6.3	99.0	31.6	17.1	5.2	67.0	42.3
11/3/2011	2.3	14.4	4.5	62.0	30.5	18.4	0.0	54.0	32.9
12/29/2011	5.6	13.6	4.0	78.0	36.8	18.4	0.7	54.0	39.7
2/7/2012	5.4	12.3	3.4	51.0	34.1	17.0	0.5	55.0	37.5
3/28/2012	35.7	14.9	1.2	51.0	0.3	4.0	20.4	51.0	0.3
5/9/2012	30.4	17.0	0.0	51.0	3.2	13.6	2.9	46.0	2.9
6/27/2012	1.0	14.4	4.0	37.0	30.3	18.5	0.1	81.0	49.1
8/9/2012	4.1	14.1	4.2	52.0	31.7	19.4	1.4	74.0	46.9
9/26/2012	2.9	9.2	10.1	54.0	31.9	18.3	4.2	40.0	25.5
11/8/2012	1.5	7.8	11.9	69.0	36.2	20.8	0.9	45.0	32.6
12/20/2012	2.8	11.9	7.9	67.0	37.8	20.1	1.0	84.0	63.5
1/30/2013	2.9	11.9	6.8	14.0	32.0	17.4	1.7	21.0	13.4
3/21/2013	2.5	12.3	7.3	17.0	29.0	18.3	1.2	26.0	15.1
4/30/2013	2.9	12.1	7.1	14.0	30.4	17.6	1.4	24.0	14.6
6/18/2013	2.7	11.5	6.9	17.0	36.0	19.3	0.9	27.0	19.4
8/1/2013	2.4	10.5	8.7	15.0	30.6	18.2	3.6	15.0	9.2
9/19/2013	1.9	8.2	11.6	15.0	39.8	22.3	0.3	20.0	15.9
10/29/2013	1.9	8.0	11.4	9.0	27.7	15.7	5.3	34.0	18.8
12/17/2013	2.3	10.1	9.5	12.0	29.8	16.0	4.0	39.0	23.2
2/13/2014	19.8	14.4	5.3	16.0	29.3	16.1	1.0	32.0	18.8
5/7/2014	N/M	N/M	N/M	N/M	33.9	17.7	1.3	54.0	36.6
6/18/2014	N/M	N/M	N/M	N/M	37.8	19.2	0.0	46.0	34.8
8/5/2014	N/M	N/M	N/M	N/M	32.5	19.3	1.7	41.4	26.9
9/16/2014	N/M	N/M	N/M	N/M	36.3	20.4	1.5	43.8	31.8
10/29/2014	N/M	N/M	N/M	N/M	33.4	19.2	1.7	41.3	27.6
12/16/2014	N/M	N/M	N/M	N/M	36.9	18.7	1.1	41.0	30.3
2/3/2015	N/M	N/M	N/M	N/M	30.2	17.2	1.6	41.2	24.9
3/18/2015	0.1	0.5	21.1	21.4	27.1	16.5	1.6	45.5	24.7
4/29/2015	9.4	10.1	8.5	13.4	27.4	17.1	0.9	44.0	24.1
6/16/2015	0.0	0.3	20.2	17.6	28.6	18.7	1.3	41.9	24.0
8/4/2015	0.1	0.6	19.8	0.0	23.3	16.9	3.1	43.9	20.5
9/15/2015	4.1	3.7	17.3	16.7	25.2	15.2	6.8	42.3	21.3
10/28/2015	0.0	0.5	20.3	19.1	29.2	19.2	0.5	38.7	22.6
12/10/2015	0.0	0.2	21.0	5.3	31.6	15.9	3.5	40.4	25.5
2/3/2016	0.0	0.6	20.5	0.0	24.6	14.1	3.8	0.0	0.0
3/23/2016	11.1	15.7	1.3	0.0	26.9	16.8	0.7	0.0	0.0
5/12/2016	24.5	15.9	1.4	18.0	22.2	13.5	2.9	50.0	22.2
7/25/2016	21.1	16.3	0.1	0.0	46.0	21.5	0.0	51.0	46.9

Table 10. LFG and SVE System Flow Rates
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date	SVE System				LFG System				
	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Flow @ 50% CH ₄ (scfm)
11/18/2016	1.4	15.0	0.9	33.0	50.7	21.2	0.2	50.0	50.7
12/20/2016	0.8	12.3	4.3	29.0	48.1	19.9	0.0	50.0	48.1
2/1/2017	13.8	12.4	1.7	19.6	45.4	17.8	2.2	32.0	29.1
5/4/2017	2.8	13.7	0.9	20.1	47.6	17.6	0.3	38.8	36.9
6/14/2017	3.6	12.5	3.8	20.4	48.3	18.1	1.1	39.3	38.0
8/2/2017	4.3	12.5	2.6	21.0	49.2	18.7	1.6	35.7	35.1
9/27/2017	0.9	3.6	15.8	18.9	49.4	20.3	1.9	30.3	29.9
11/8/2017	0.0	1.8	20.1	21.2	48.6	21.3	0.1	36.2	35.2
12/15/2017	2.7	14.9	1.2	21.6	49.5	20.7	0.1	31.1	30.8
2/8/2018	3.3	14.6	1.1	23.5	54.1	18.1	0.0	39.0	42.2
3/28/2018	2.8	14.1	2.9	25.4	49.4	18.4	0.0	41.3	40.8
5/16/2018	0.6	6.8	10.7	30.2	56.6	17.6	0.3	41.2	46.7
7/5/2018	3.3	14.2	1.1	29.8	54.5	19.8	0.1	42.9	46.8
8/20/2018	4.1	13.3	2.4	30.0	51.7	21.6	0.6	40.9	42.2
9/17/2018	2.5	11.8	3.2	30.2	53.8	21.1	0.8	48.5	52.2
11/7/2018	3.3	14.1	1.9	33.1	51.6	19.9	0.5	41.3	42.6
12/10/2018	1.7	12.3	3.3	37.7	49.7	18.0	0.0	43.9	43.6
2/11/2019	4.0	15.0	0.9	43.6	48.7	17.5	0.0	44.0	42.9
3/21/2019	3.6	14.3	1.0	42.7	44.8	16.0	0.0	43.1	38.6
5/1/2019	4.1	14.2	1.8	61.6	45.4	17.7	0.6	43.4	39.4
6/20/2019	3.8	13.9	2.1	64.8	45.3	18.7	0.5	41.6	37.7
7/24/2019	3.2	13.6	2.6	68.8	46.3	19.9	0.2	41.9	38.8
9/26/2019	5.2	13.1	2.4	69.0	45.8	19.2	1.5	42.1	38.5
10/28/2019	3.1	13.3	3.8	66.1	44.6	18.8	1.6	42.3	37.8
12/17/2019	5.0	17.6	0.8	65.9	42.8	19.8	1.2	42.4	36.3
2/4/2020	2.9	14.5	2.5	43.6	33.4	15.5	2.6	53.5	35.7
3/24/2020	7.0	12.6	2.9	49.7	43.0	16.7	1.0	42.7	36.7
5/12/2020	4.5	14.4	2.2	49.0	40.9	17.8	0.0	41.6	34.0
6/26/2020	5.3	12.1	2.7	57.0	40.7	17.5	0.7	42.8	34.8
8/12/2020	4.7	12.9	3.0	57.2	39.7	18.4	0.9	42.8	34.0
9/8/2020	4.0	9.8	6.1	53.9	36.0	17.0	3.0	42.3	30.5
11/5/2020	3.9	13.9	2.4	55.1	41.5	19.9	0.0	43.4	36.0
12/8/2020	3.2	15.9	0.8	56.6	37.9	18.3	0.1	43.2	32.7
3/16/2021	2.2	13.2	3.8	62.4	36.0	16.0	0.2	43.6	31.4
4/14/2021	1.9	12.7	4.6	61.4	36.1	16.2	0.3	43.1	31.1
5/26/2021	2.4	13.3	4.0	61.1	41.0	17.6	0.5	42.8	35.1
7/6/2021	4.6	13.4	2.8	60.8	42.8	18.6	0.3	42.6	36.5
11/2/2021	3.3	14.1	3.6	61.7	47.4	19.6	0.6	43.2	40.9
12/1/2021	4.1	15.3	0.9	61.3	48.3	18.0	0.6	44.2	42.7
1/18/2022	6.8	16.4	1.1	75.7	50.3	17.6	0.8	44.6	44.9
3/2/2022	4.5	15.5	1.7	61.5	48.0	16.5	0.4	44.3	42.5
4/19/2022	4.3	15.2	1.0	57.1	46.6	16.7	0.3	63.1	58.9
6/1/2022	0.6	1.9	8.0	61.8	46.3	15.3	0.5	44.0	40.7
7/7/2022	4.4	13.8	1.8	61.1	36.1	18.1	0.5	43.3	31.3
8/17/2022	4.0	14.2	1.4	61.3	43.7	19.8	0.2	43.6	38.1
10/17/2022	3.4	14.7	0.7	61.8	44.9	19.9	0.0	43.9	39.5

Table 10. LFG and SVE System Flow Rates
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

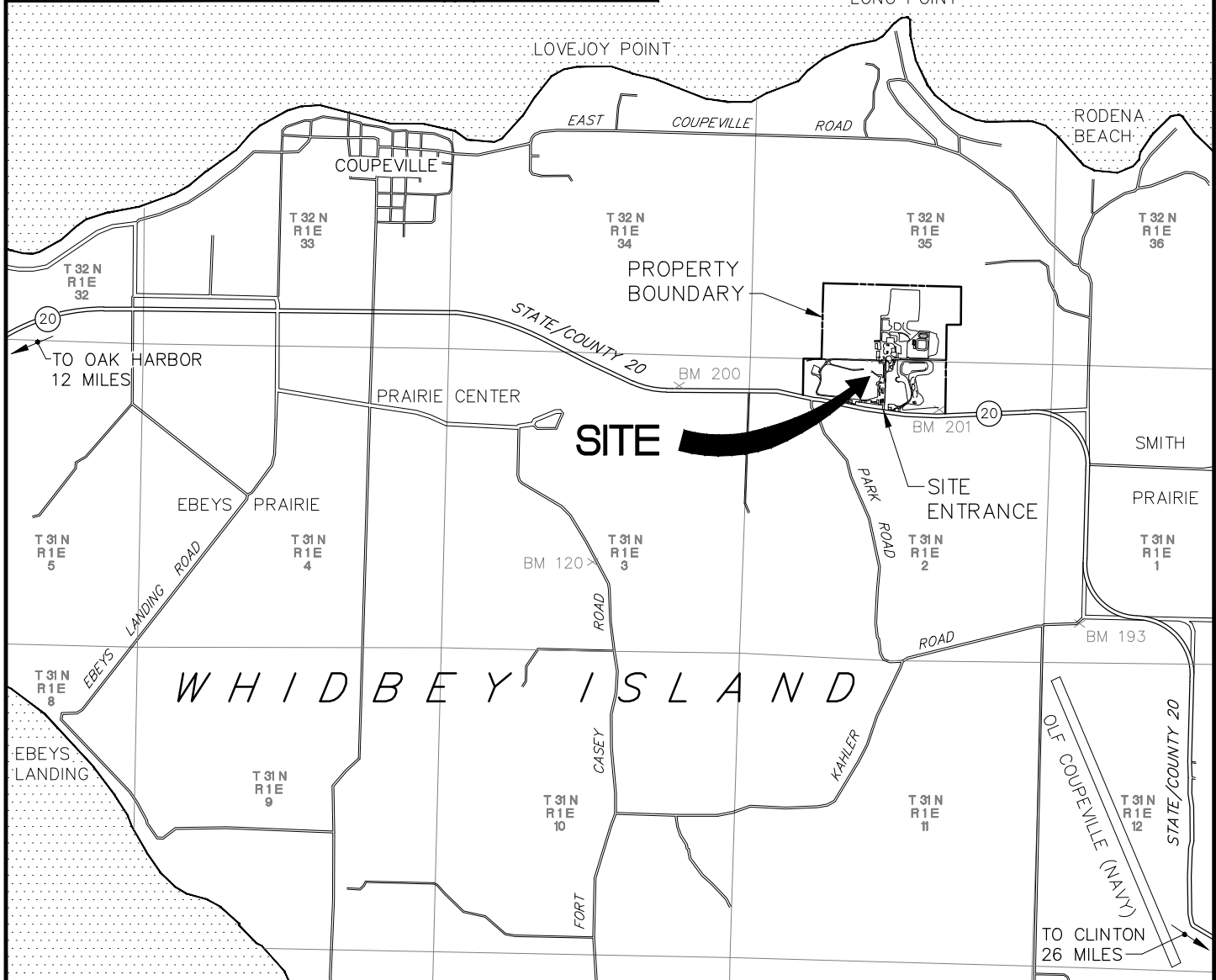
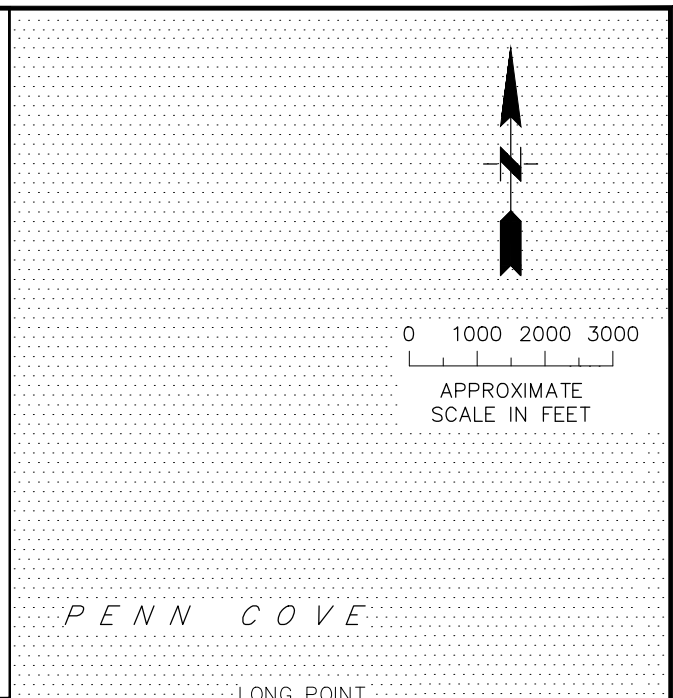
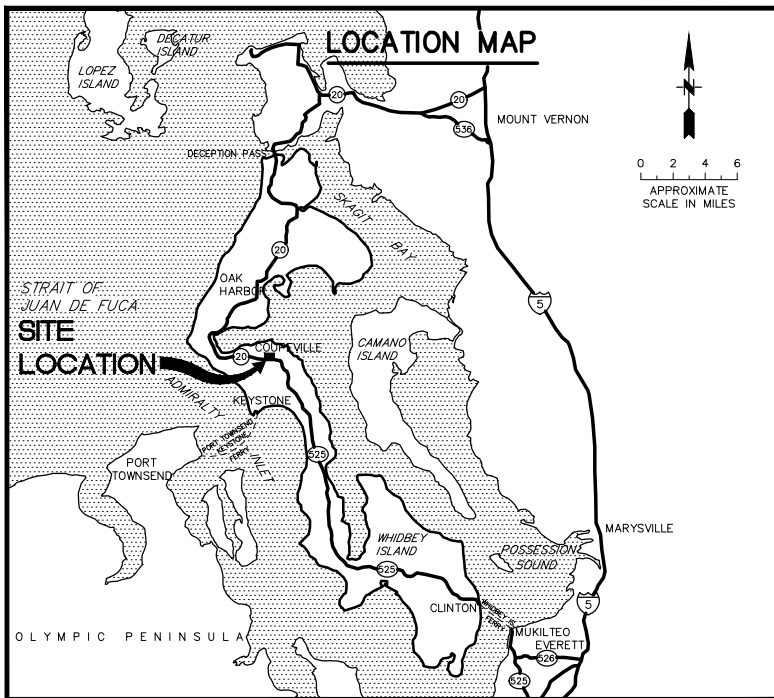
Date	SVE System				LFG System				
	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Flow @ 50% CH ₄ (scfm)
12/8/2022	2.8	15.1	2.0	62.9	41.7	20.0	0.6	44.7	37.3
4/18/2023	6.5	16.7	1.5	62.9	41.4	17.8	0.3	44.7	37.0
6/6/2023	6.9	14.1	1.5	61.7	44.2	16.8	0.3	43.8	38.7
7/24/2023	6.9	16.3	1.0	62.0	44.0	19.9	0.3	44.0	38.7
9/12/2023	5.3	15.5	1.3	62.1	40.7	20.0	0.3	44.1	35.9
10/23/2023	5.4	15.3	1.5	62.8	52.4	19.9	0.1	44.5	46.6
12/5/2023	3.9	15.4	1.8	62.6	54.4	18.5	0.1	44.5	48.4

N/M - Not measured



Figures





SCS ENGINEERS

Environmental Consultants and Contractors

2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

PROJECT NO.
04223020.03

SCALE
AS SHOWN

CAD FILE
FIGURE 1

DES BY
L.E.L.

CHK BY
D.V.

APP BY
G.H.

SITE LOCATION MAP
2022 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

DATE
FEBRUARY 2024

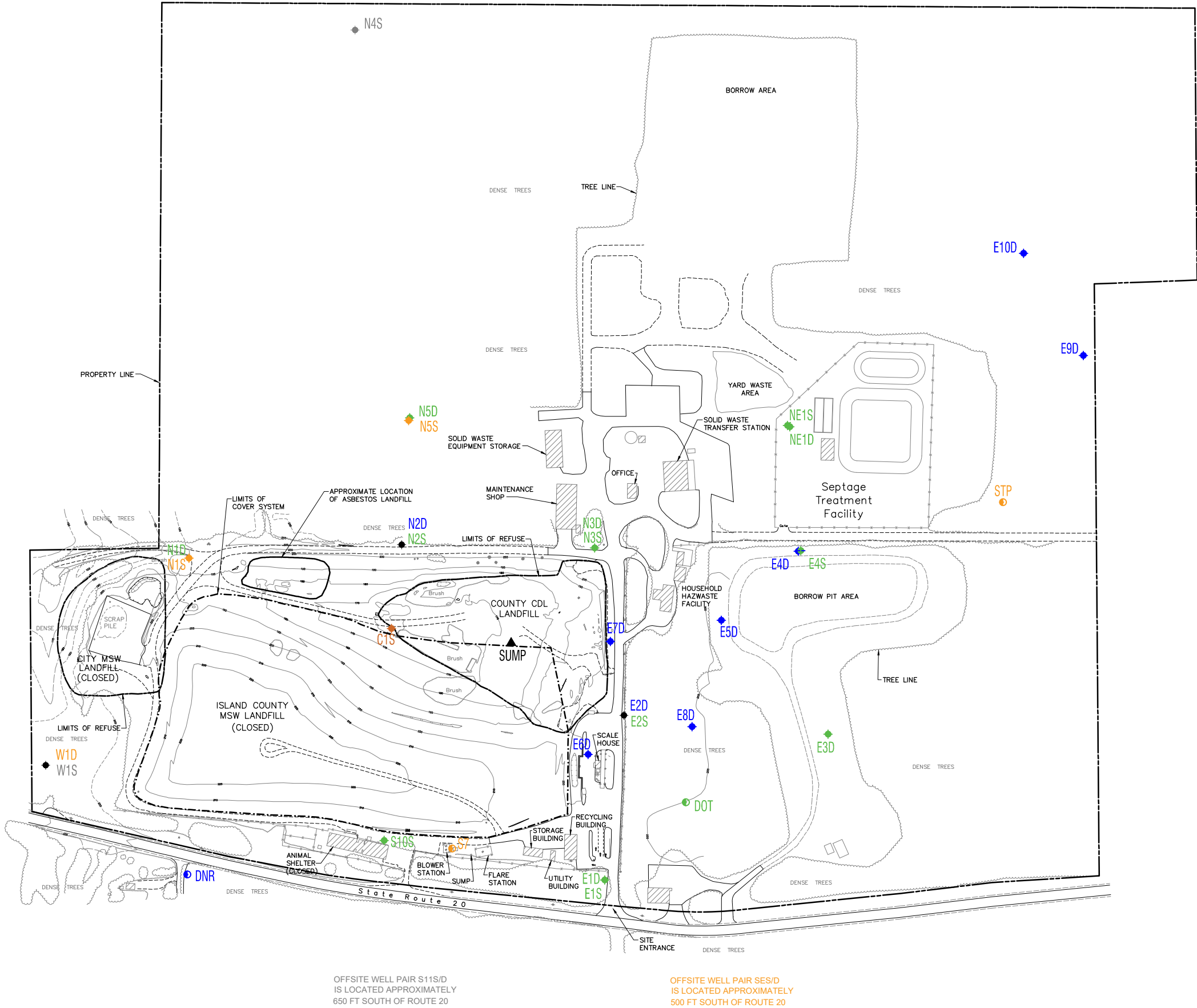
FIGURE

1

NOTES:
THE SITE TOPOGRAPHIC BASE MAP WAS CREATED BY AERIAL PHOTOGRAMMETRY. BASE MAP PREPARED BY OTHERS.
DATE OF PHOTOGRAPH 12-OCT-02.

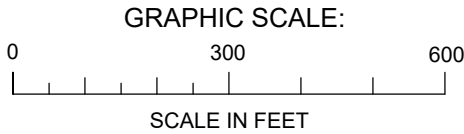
HORIZONTAL DATUM
HORIZONTAL CONTROL IS BASED ON ASSUMED COORDINATE SYSTEM WITH POINT OF BEGINNING AT USGS BENCH MARK (BM 000).

VERTICAL DATUM
VERTICAL CONTROL IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM.



LEGEND

- Groundwater Monitoring Well
- Pumping Well
- Location of Sump
- Well Location Sampled during Each Quarterly Event
- Well Location only Sampled during Q2 and Q4 Events
- Well Location only Sampled during the Two Year Event
- Well Location Not Sampled



SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

2022 ANNUAL ENVIRONMENTAL
MONITORING DATA REPORT
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO.	04223020.03
SCALE	AS SHOWN
CAD FILE	Figure 2

DES BY	L.E.L.
CHK BY	D.V.
APP BY	G.H.

GROUNDWATER MONITORING WELL NETWORK

DATE
FEBRUARY 2024
FIGURE
2

Figure 3. Groundwater Elevation Time Series - Aquifer 1
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

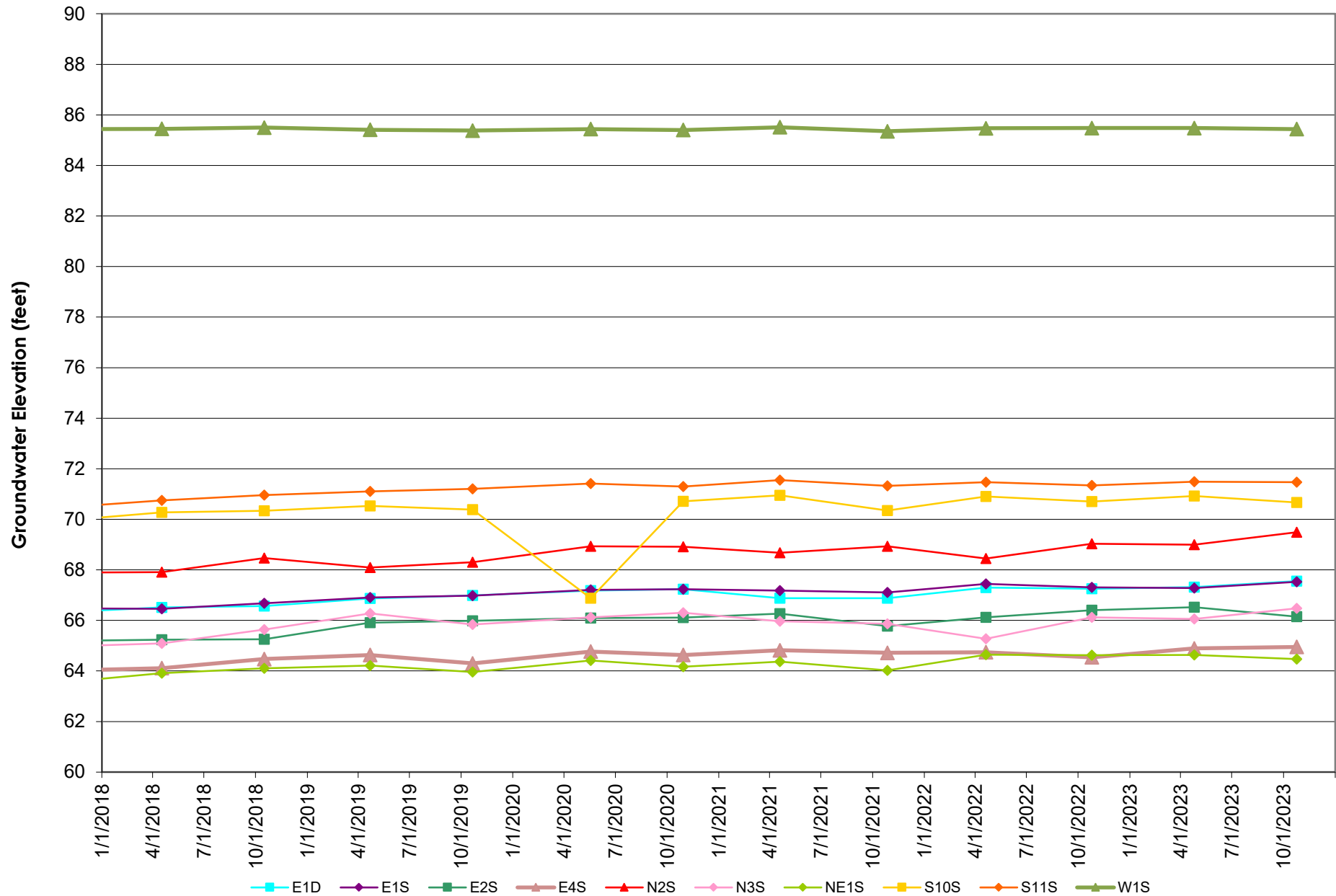
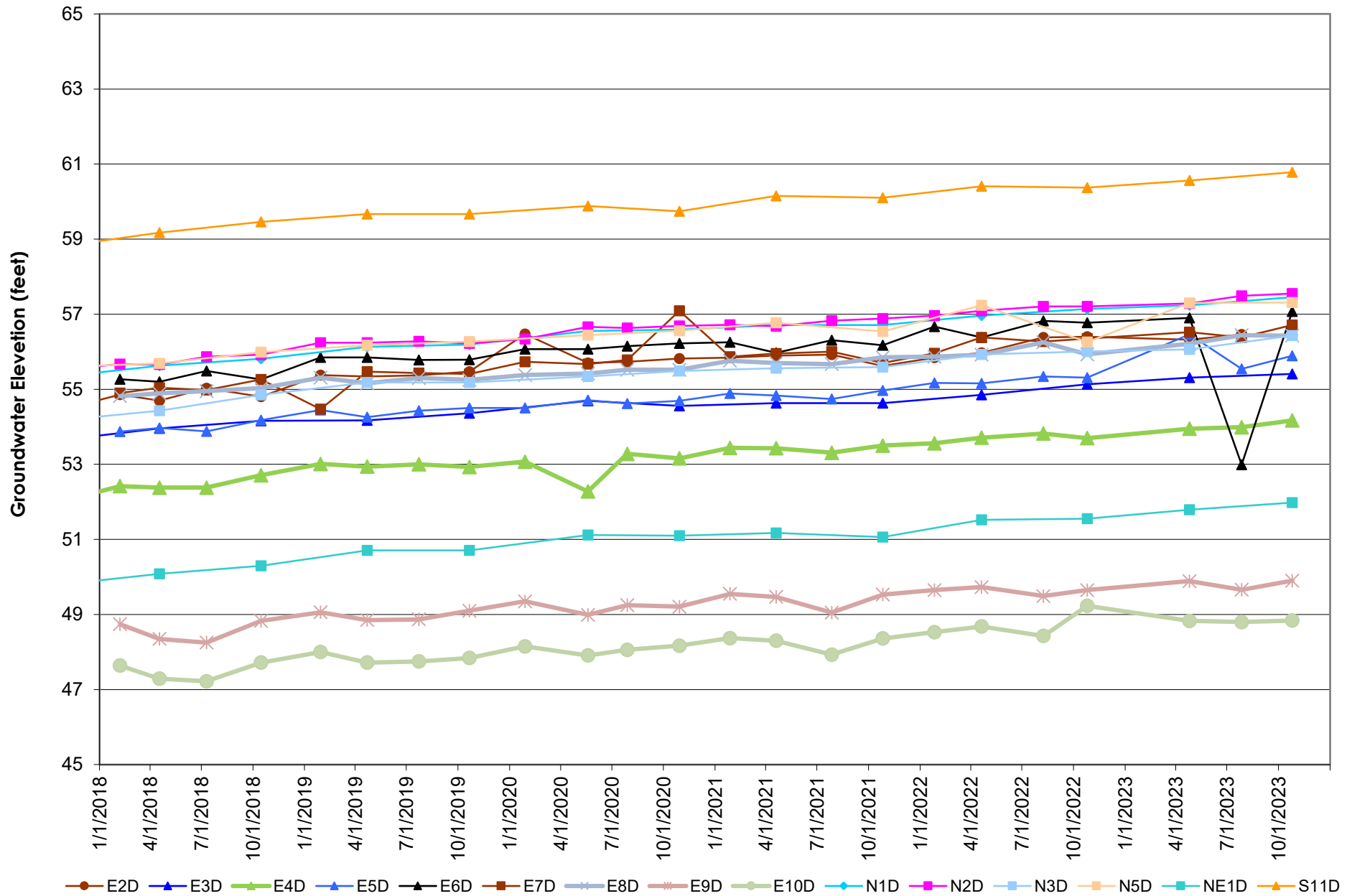
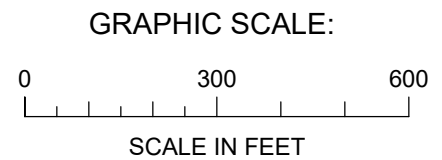
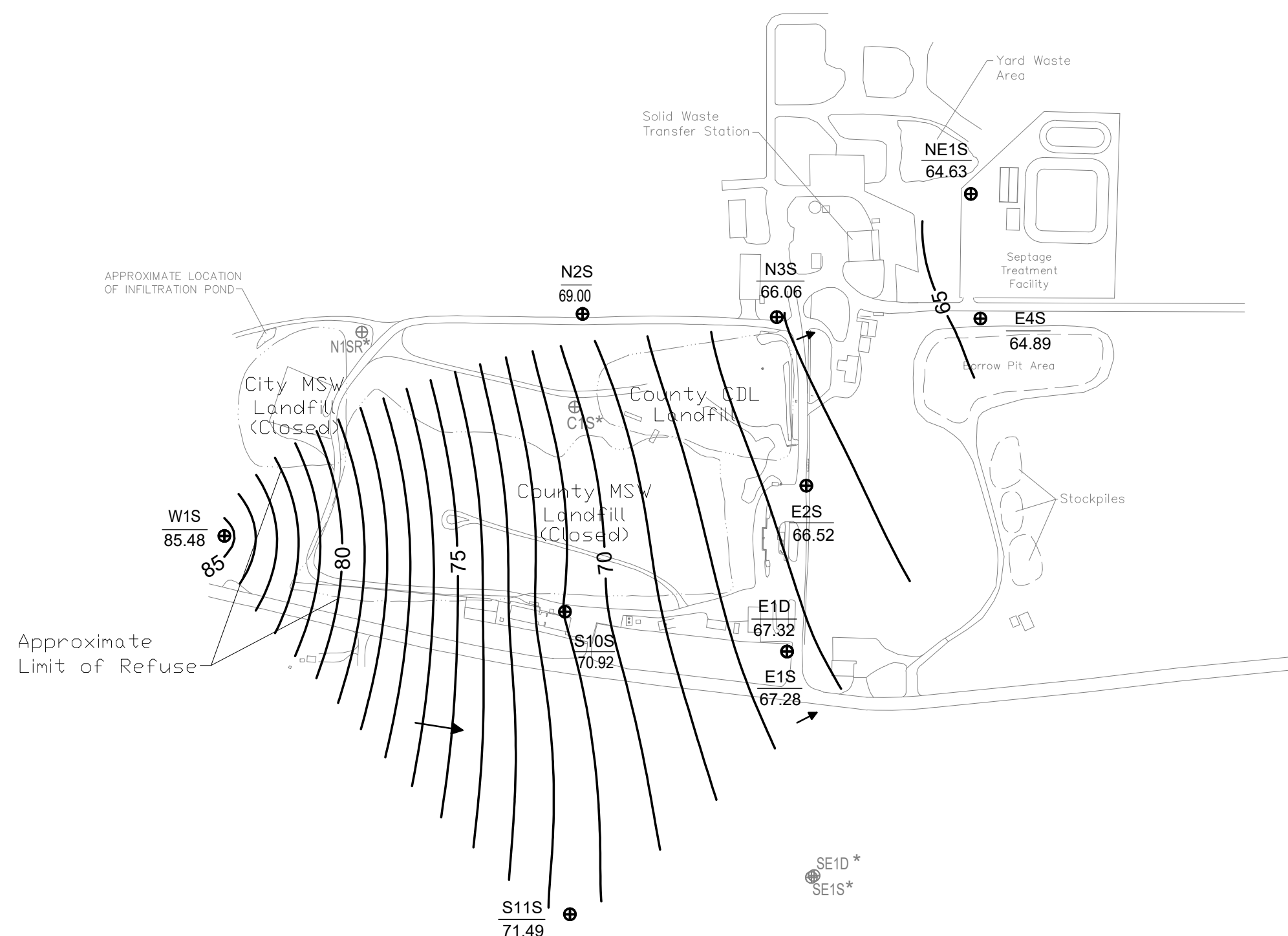


Figure 4. Groundwater Elevation Time Series - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

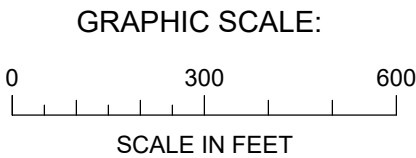
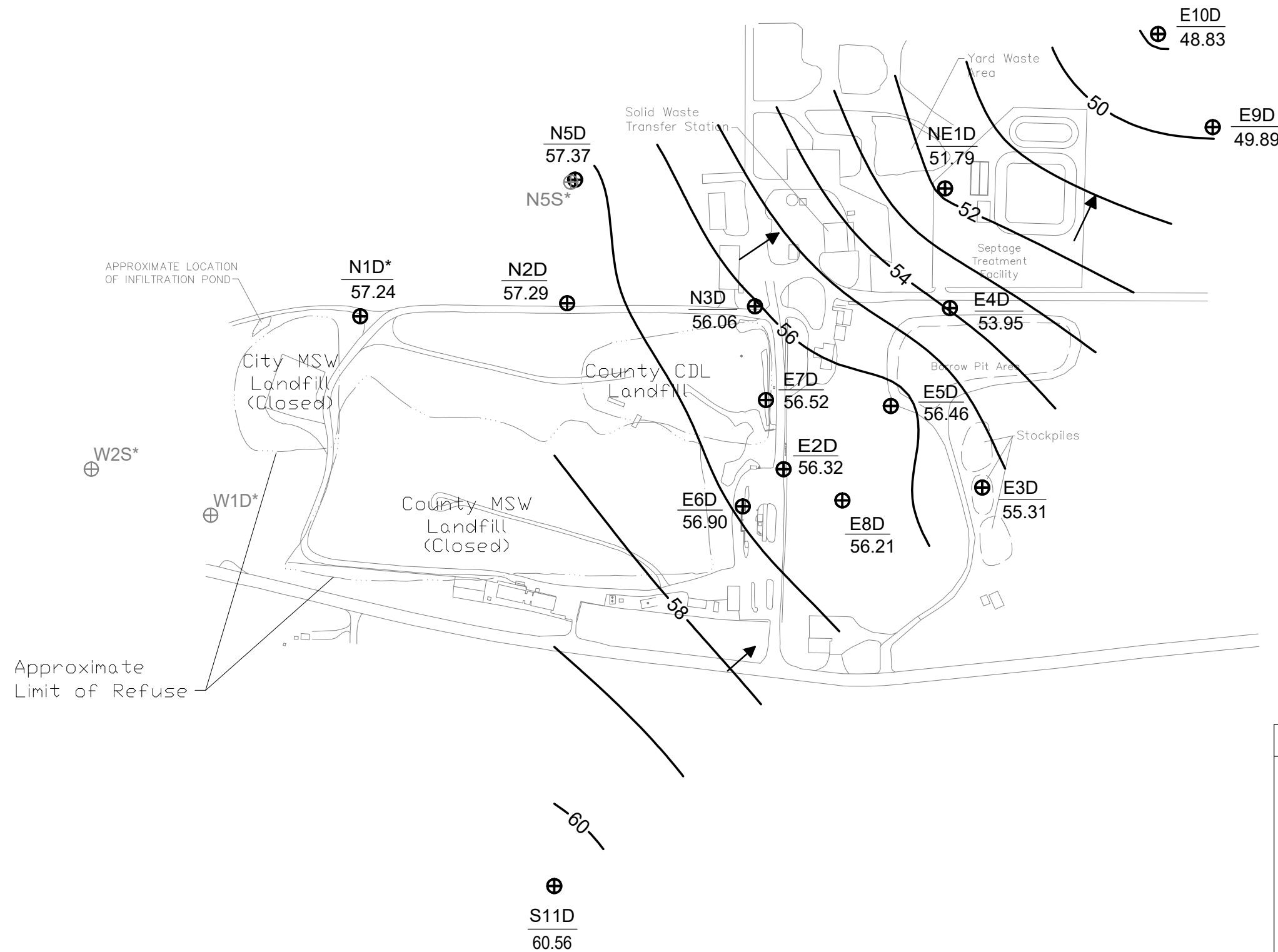




Note: Water Level at two year wells were not used to make contours.

LEGEND	
E2S 66.52	Well Name Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

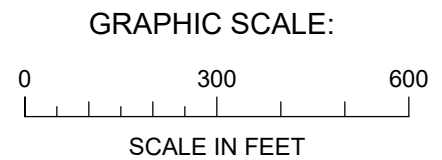
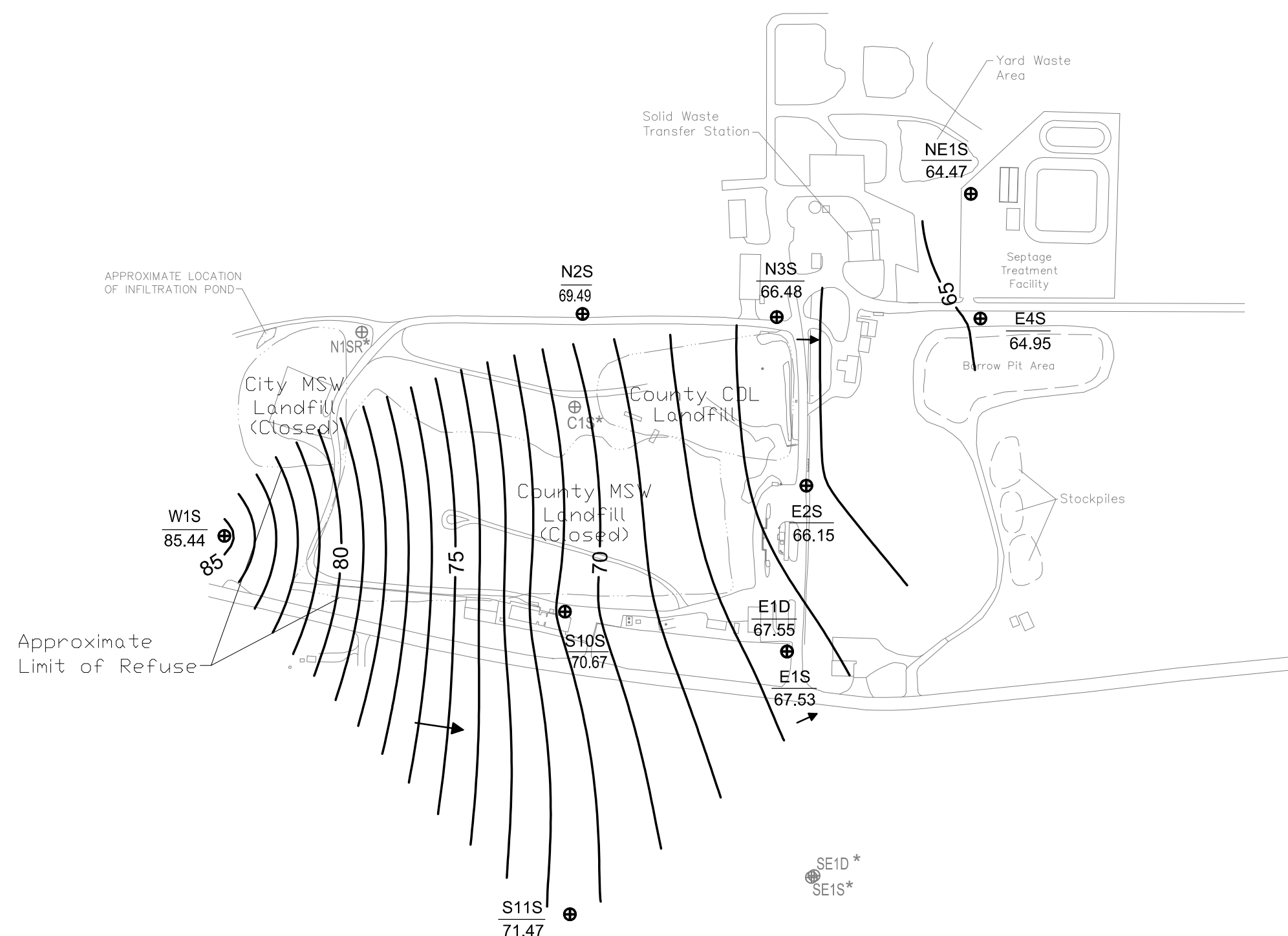
SCS ENGINEERS Environmental Consultants and Contractors 2405 140th Avenue NE, Suite 107 Bellevue, Washington 98005 (425) 746-4600 FAX: (503) 684-6948	DATA REVIEW FOR THE SECOND QUARTER 2023 ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY COUPEVILLE, WASHINGTON	PROJECT NO. 04223020.03		DES BY A.D.	APRIL 2023 AQUIFER 1 GROUNDWATER ELEVATION MAP	DATE FEBRUARY 2024
		SCALE 1" = 300'	CHK BY D.V.			FIGURE
		CAD FILE Figure 1	APP BY G.H.			5A



Note: Water Level at N1D and the two year wells were not used to make contours.

LEGEND	
E3D 55.31	Well Name Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

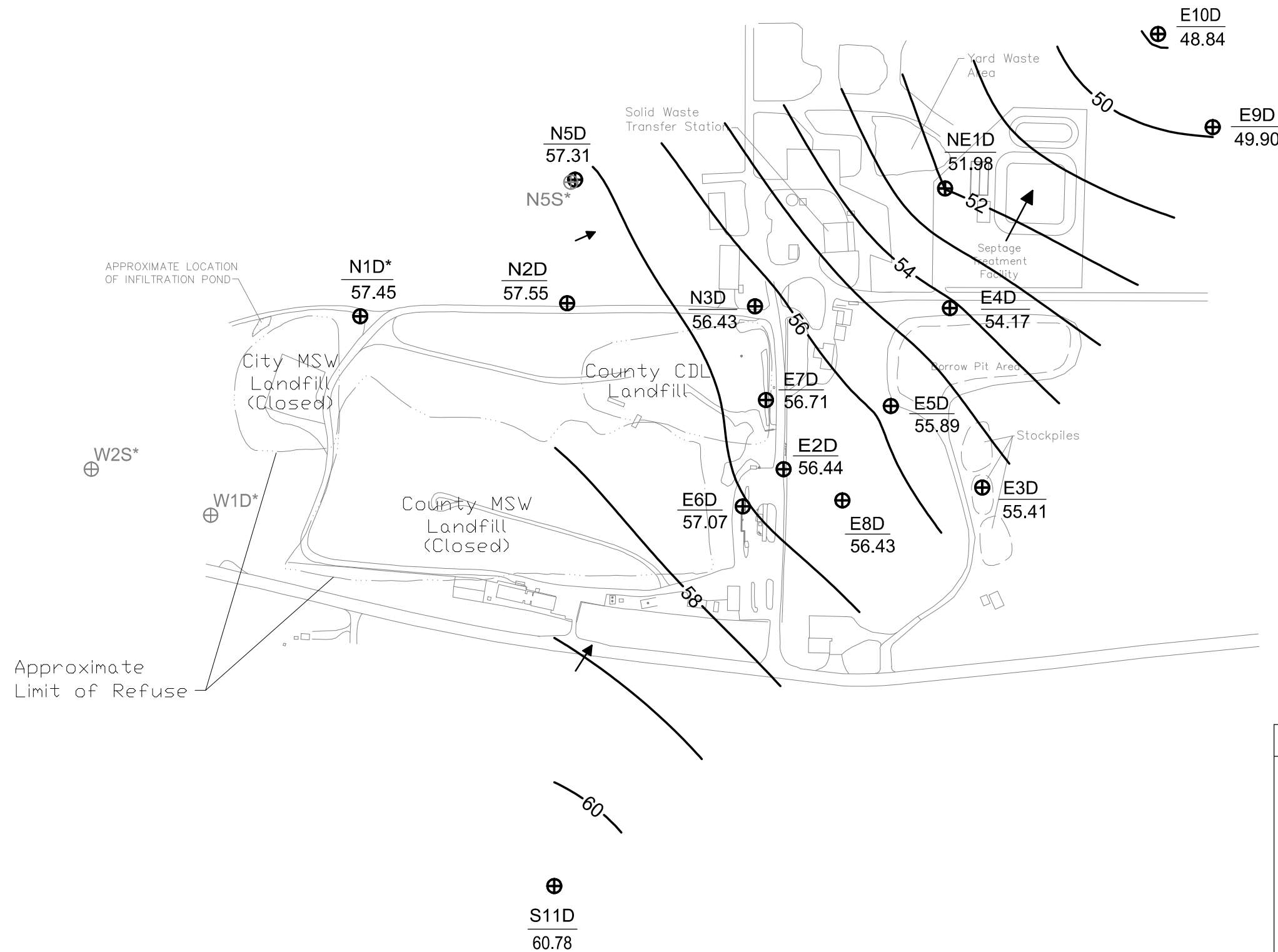
SCS ENGINEERS Environmental Consultants and Contractors 2405 140th Avenue NE, Suite 107 Bellevue, Washington 98005 (425) 746-4600 FAX: (503) 684-6948	DATA REVIEW FOR THE SECOND QUARTER 2023 ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY COUPEVILLE, WASHINGTON		PROJECT NO.	04223020.03	DES BY	A.D.	APRIL 2023 AQUIFER 2 GROUNDWATER ELEVATION MAP	DATE	FEBRUARY 2024
			SCALE	1" = 300'	CHK BY	D.V.		FIGURE	5B
			CAD FILE	Figure 2	APP BY	G.H.			



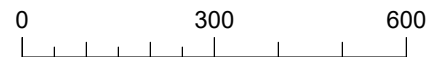
Note: Water Level at two year wells were not used to make contours.

LEGEND	
E2S 66.15	Well Name Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

SCS ENGINEERS Environmental Consultants and Contractors 2405 140th Avenue NE, Suite 107 Bellevue, Washington 98005 (425) 746-4600 FAX: (503) 684-6948	DATA REVIEW FOR THE FOURTH QUARTER 2023 ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY COUPEVILLE, WASHINGTON		PROJECT NO. 04223020.03	DES BY A.D.	OCTOBER 2023 AQUIFER 1 GROUNDWATER ELEVATION MAP	DATE FEBRUARY 2024
			SCALE 1" = 300'	CHK BY D.V.		FIGURE
			CAD FILE Figure 1	APP BY G.H.		6A



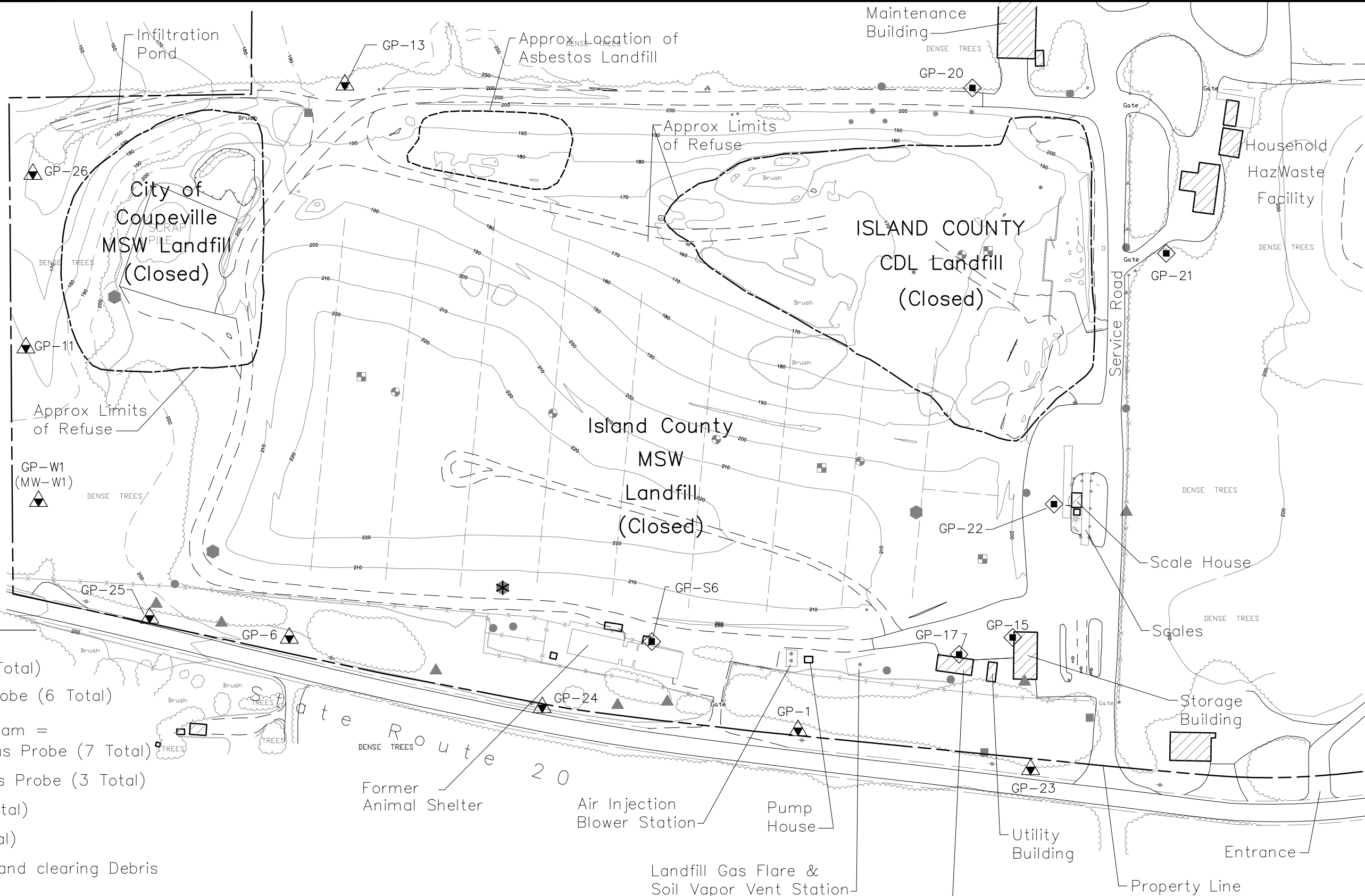
GRAPHIC SCALE:



SCALE IN FEET

Note: Water Level at N1D and the two year wells were not used to make contours.

LEGEND	
E3D 55.41	Well Name Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring



LEGEND

Included in Monitoring Program =

- ▲ Perimeter Gas Probe (9 Total)
- ◆ Building/Structure Gas Probe (6 Total)

Discontinued from Monitoring Program =

- ▲ Air Injection Perimeter Gas Probe (7 Total)
- Supplement Perimeter Gas Probe (3 Total)
- Interior Gas Probe (10 Total)
- ◆ Refuse Gas Probe (4 Total)

CDL = Construction, Demolition, Land clearing Debris

MSW = Municipal Solid Waste

- ⊕ Vertical Landfill Gas Extraction Well (5 Total)
- ⊞ Vertical Soil Vapor Extraction Well (4 Total)
- Horizontal Landfill Gas Extraction Well (9 Total)

GRAPHIC SCALE:

0 100 200

SCALE IN FEET

SCS ENGINEERS

Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

2022 ANNUAL ENVIRONMENTAL
MONITORING DATA REPORT

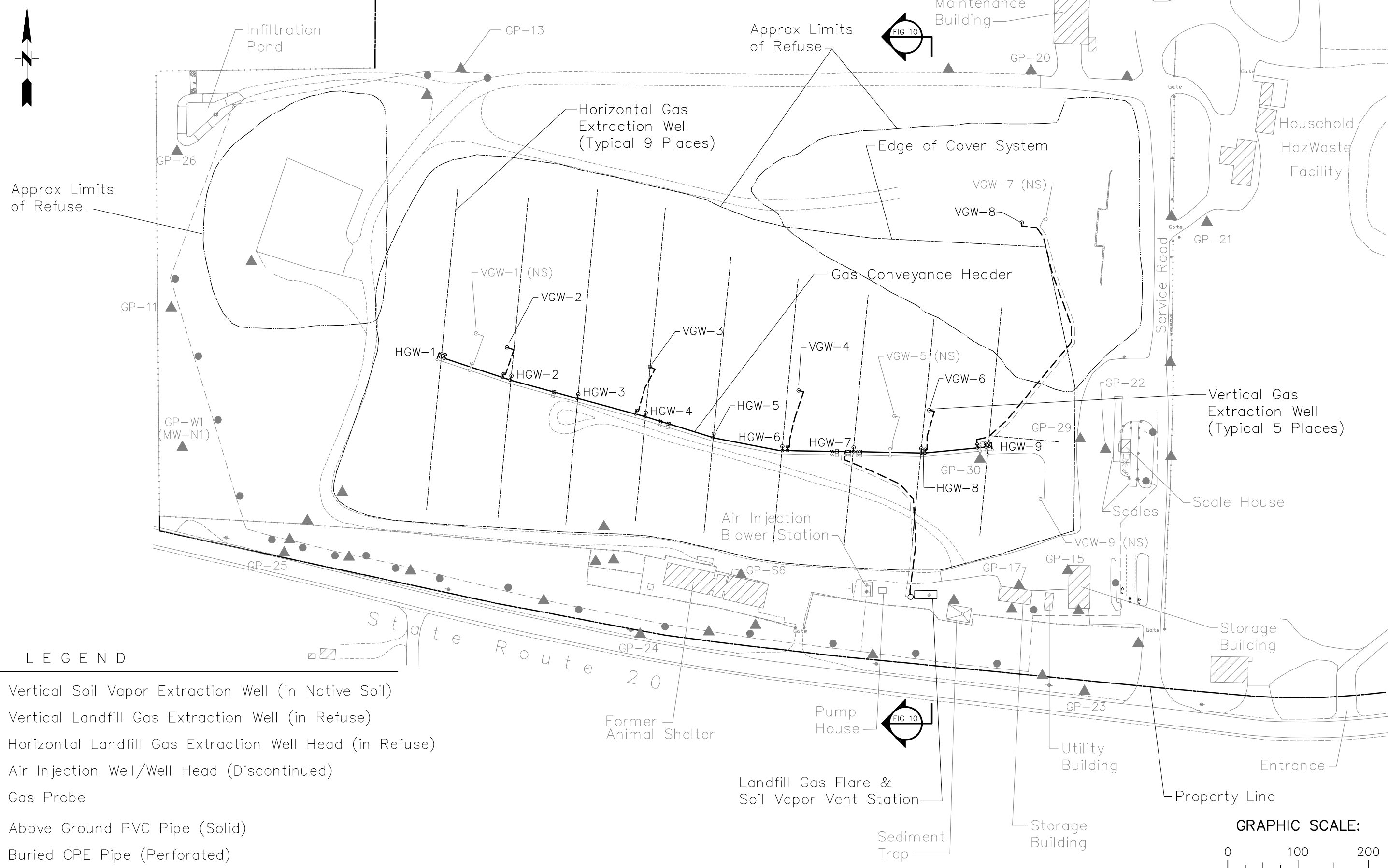
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO.
04223020.03
SCALE
AS SHOWN
CAD FILE
Figure 7

DES BY
T.A.M.
CHK BY
D.V.
APP BY
G.H.

LANDFILL GAS PROBE MONITORING NETWORK

DATE
FEBRUARY 2024
FIGURE
7



LEGEND

- VGW-# (NS) Vertical Soil Vapor Extraction Well (in Native Soil)
- VGW-# Vertical Landfill Gas Extraction Well (in Refuse)
- HGW-# Horizontal Landfill Gas Extraction Well Head (in Refuse)
- Air Injection Well/Well Head (Discontinued)
- ▲ Gas Probe
- Above Ground PVC Pipe (Solid)
- - - Buried CPE Pipe (Perforated)
- - - Buried PVC or HDPE Pipe (Solid)

SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

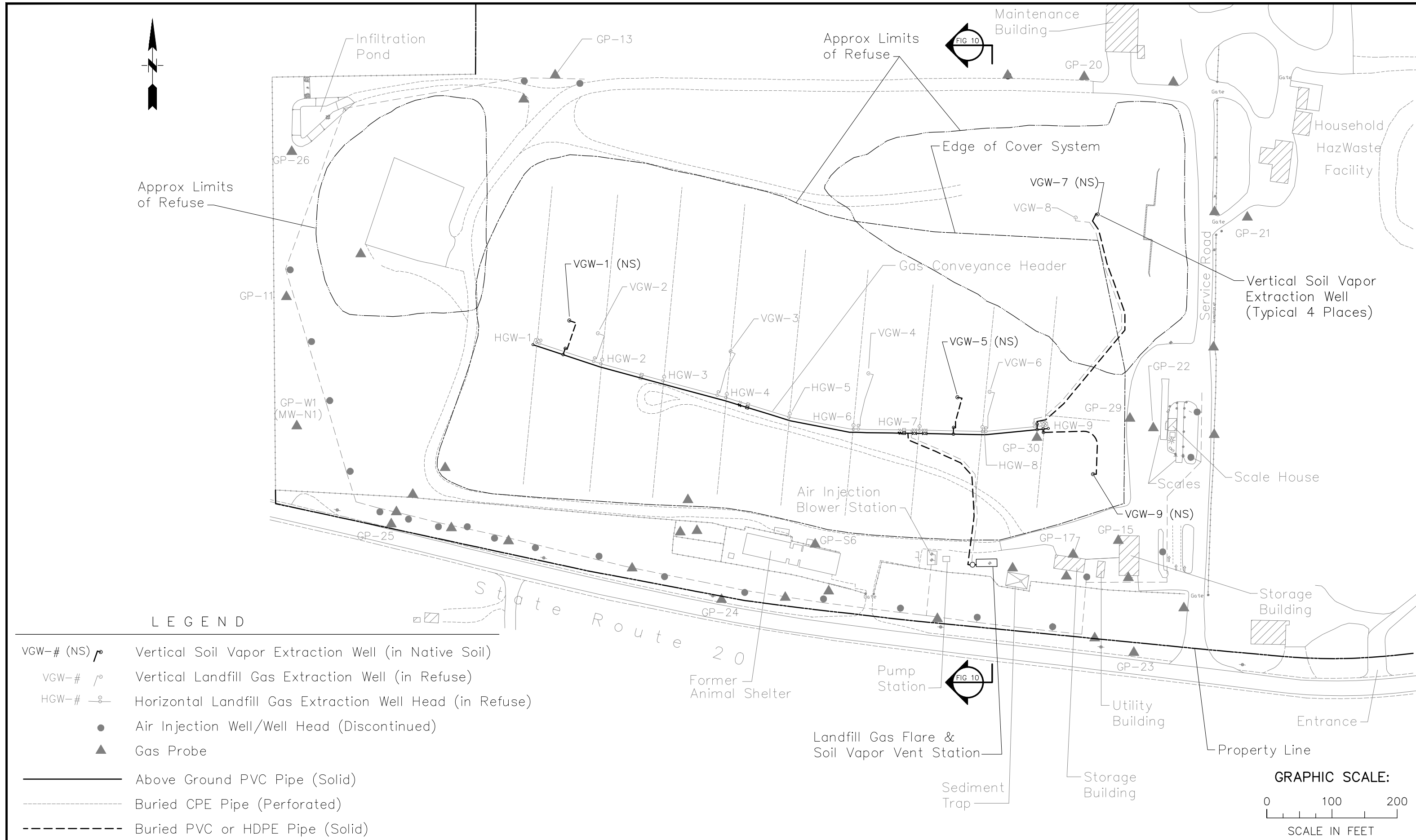
2022 ANNUAL ENVIRONMENTAL
MONITORING DATA REPORT
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04223020.03
SCALE AS SHOWN
CAD FILE Figure 8

DES BY T.A.M.
CHK BY D.V.
APP BY G.H.

LANDFILL GAS EXTRACTION SYSTEM

DATE FEBRUARY 2024
FIGURE 8



SCS ENGINEERS Environmental Consultants and Contractors 2405 140th Avenue NE, Suite 107 Bellevue, Washington 98005 (425) 746-4600 FAX: (425) 746-6747	2022 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY COUPEVILLE, WASHINGTON		PROJECT NO.	04223020.03	DES BY	T.A.M.	SOIL VAPOR EXTRACTION SYSTEM	DATE	FEBRUARY 2024
			SCALE	AS SHOWN	CHK BY	D.V.		FIGURE	9
			CAD FILE	Figure 9	APP BY	G.H.			

- LEGEND
- GP-1 = GAS PROBE
 - AIW-18 = AIR INJECTION WELL
 - GEW-9 = GAS EXTRACTION WELL
 - MW-S105 = GROUNDWATER MONITORING WELL

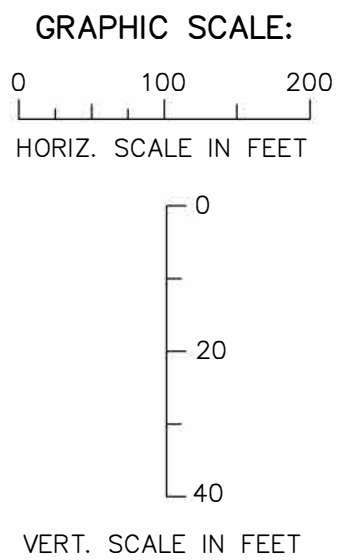
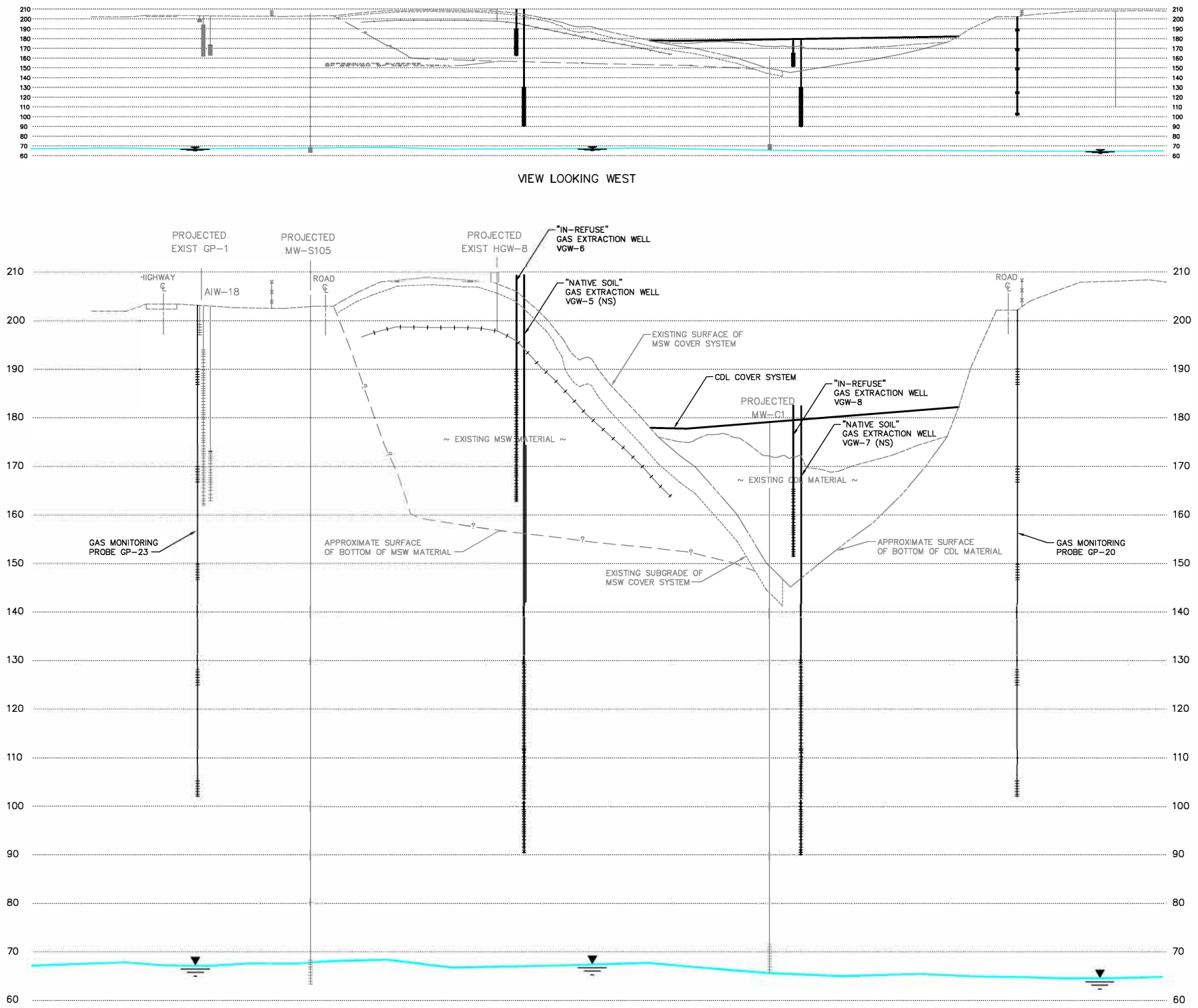


Figure 11. Water Removed from Stormwater Pump Station
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

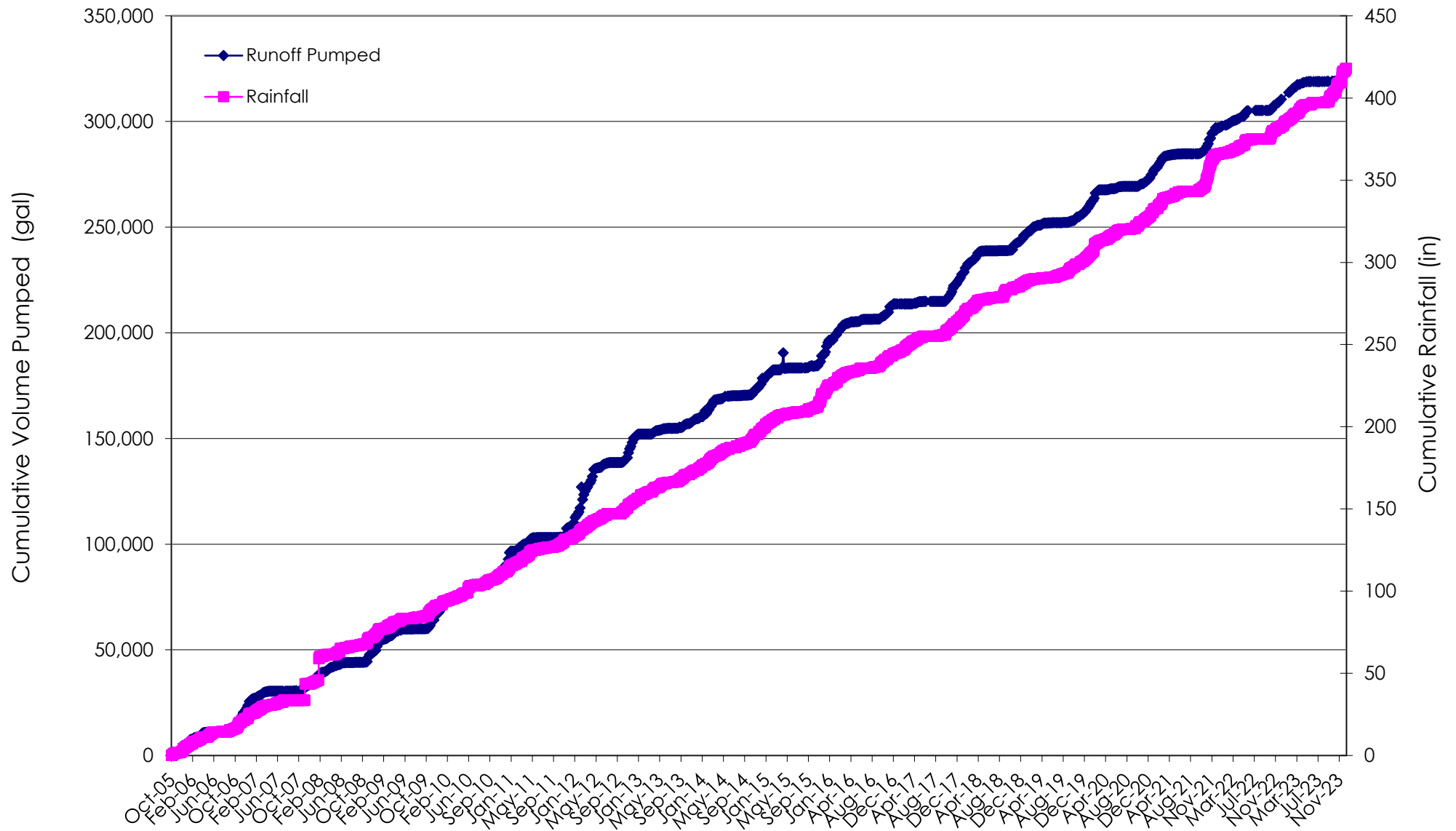
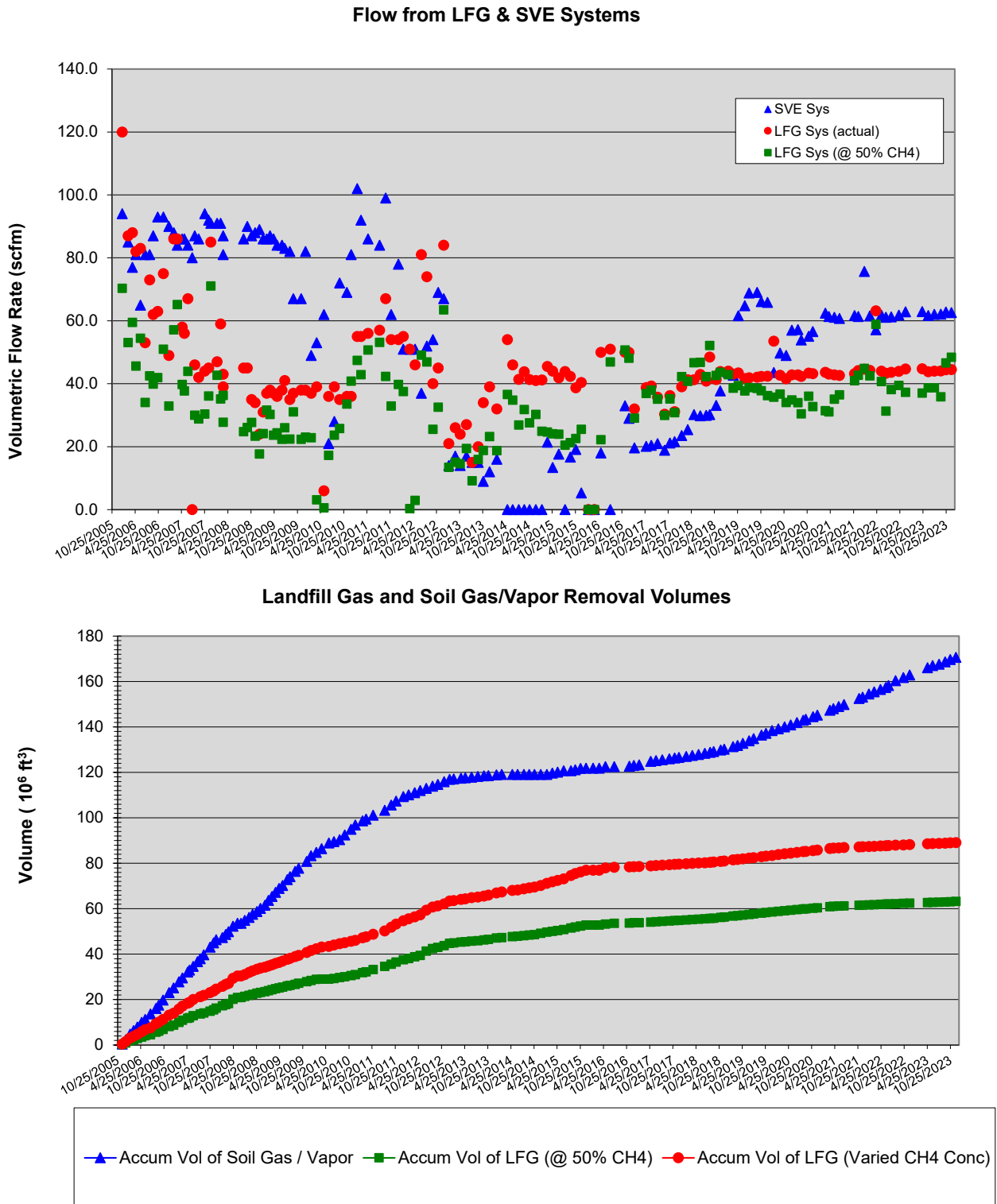


Figure 12. Flow Rates and Removal Volumes for LFG and SVE Systems
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington





Appendix A

2023 Field Documentation



May 1, 2023
File No. 04223020.00

Subject: **Second Quarter 2023 Groundwater Monitoring Event
Coupeville Solid Waste Facility, Island County, Washington**

NOTES/SAMPLE DECODING:

Event Dates: April 25 – 28, 2023

Field Staff: Jovany Estrada & Alex Deszo

- This was a semi-annual monitoring event.
- Duplicate samples were collected from monitoring wells N2D and N3D.
- YSI Multiparameter meters were calibrated daily prior to sampling.
- Monitoring well E1D pump was replaced.
- Monitoring well E7D was sampled with deployable pump as pump was broken upon arrival.

Sample Date	Sample Number	Well ID
4/25/23	0425-01	DOT
4/27/23	0427-02	E3D
4/25/23	0425-03	E5D
4/27/23	0427-04	E6D
4/28/23	0428-05	E7D
4/26/23	0426-06	E8D
4/25/23	0425-07	E4S
4/25/23	0425-08	E4D
4/27/23	0427-09	NE1S
4/27/23	0427-10	NE1D
4/27/23	0427-11	N5D
4/27/23	0427-12	S11D
4/27/23	0427-13	S11S
4/27/23	0427-14	S10S
4/27/23	0427-15	DNR
4/25/23	0425-16	N1D
4/25/23	0425-17	N2D
4/25/23	0425-18	N2S
4/25/23	0425-19	N3D
4/25/23	0425-20	N3S
4/26/23	0426-21	E2D

4/26/23	0426-22	E2S
4/27/23	0427-23	E1D
4/27/23	0427-24	E1S
4/27/23	0427-25	WR1
4/27/23	0427-26	E9D
4/27/23	0427-27	E10D
4/25/23	0425-28	N2D (Duplicate)
4/25/23	0425-29	N3D (Duplicate)

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00		Site: CSWF 2Q23		Well ID: DOT		Sample ID: 0425-01		Date: 4/25/23		Weather: partly cloudy	
Filtered? ☒ N		Locked? Y ☒ N		Water in Protector? Y ☒ N		Damage? Y ☒ N					
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly			
		500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber			
		125 ml NaOH									

[illegible]

Notes / Observations (color, odor, anomalies, etc):

Meter 0239080

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Jovan Estrada
Printed Name


Signature

Signature _____

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: CSWF 2Q23	Meter: <u>MP-20</u>	CONTROL SETTINGS:		1 ft water = 0.62L 1L = 0.26 gallons		
Well ID: <u>ESD</u>	Intake: <u>YSI</u>	Refill: <u>9</u>	Discharge: <u>11</u>	One Well Volume (liters)	Other: _____	
Sample ID: <u>0425-03</u>	BOS	Pressure: <u>105</u>	Flow: <u>125 ml/min</u>	Total Volume Bailed (liters)	Flow Setting: _____	
Date: <u>4/25/23</u>	Total Depth					
Weather: <u>Cloudy</u>						

Filtered? ☒ Y ☐ N	Locked? ☒ Y ☐ N	Water in Protector? ☒ Y ☐ N	Damage? ☒ Y ☐ N
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6
	125 ml NaOH		1000 ml Amber

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1250		11.6	1508	3.88	7.38	-24.6	3.70	
1255		11.5	1512	1.25	7.35	-92.4	3.26	
1258		11.5	1520	1.20	7.34	-93.2	3.26	
1301		11.5	1583	0.99	7.29	-96.0	3.17	
1304		11.5	1611	0.92	7.27	-96.4	3.32	
1307		11.5	1636	0.85	7.26	-96.6	3.20	
1310		11.5	1655	0.81	7.24	-96.9	3.37	
1343		11.7	1464	7.32	7.05	56.1	16.82	
1348		11.6	1491	3.14	6.93	-11.9	5.85	
1351		11.5	1355	1.62	7.01	-58.4	3.34	
1354		11.5	1307	1.14	7.08	-85.3	2.53	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovany Estrada
Printed Name

SC
Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.00		Sampling Method: Dedicated		1.75" QED SamplePro		Bail	Peristaltic	Grab	Other
Site: Island County LF		DTW		Meter: CONTROL SETTINGS:		1 ft water = 0.62L		1L = 0.26 gallons	
Well ID: E6D		TOS		MP-20		Refill 10		One Well Volume (liters)	
Sample ID: 0427-04		Intake		YSI		Discharge 10		Other:	
Date: 04/27/2023		BOS				Pressure 100		Flow Setting:	
Weather: Sunny		Total Depth				Flow 180 ml/min		Total Volume Bailed (liters)	
Filtered? Y N	Locked? Y N	Water in Protector? Y N		Damage? Y N					
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly	
		500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber	
		125 ml NaOH							
Notes / Observations (color, odor, anomalies, etc):									

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature _____

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	▽	143.98	DTW	Sampling Method: Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: CSWF 2Q23				Meter: MP-20	CONTROL SETTINGS:				
Well ID: E7D					Refill: 10	1 ft water = 0.62L		1L = 0.26 gallons	
Sample ID: 0428-05					Discharge: 10	One Well Volume (liters)		Other:	
Date: 4/28/23					Pressure: 100	Total Volume Bailed (liters)		Flow Setting:	
Weather: Clear					Flow: 150ml/hr				
Filtered? ☒ N	Locked? ☒ Y ☒ N	Water in Protector? ☒ Y ☒ N		Damage? ☒ Y ☒ N					
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

TIME	DTW	Temp.	Sp. Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0931		14.0	275.8	4.60	6.04	197.1	8.71	
~~1655~~								
0936		14.0	281.3	2.48	6.13	196.7	6.11	
~~1600~~								
0939		14.0	281.7	2.33	6.14	198.1	5.71	
~~1603~~								
0942		14.0	281.8	2.25	6.15	199.3	5.59	
~~1606~~								
0945		14.0	282.5	2.23	6.16	200.7	6.05	
~~1609~~								
0948		14.0	282.1	2.16	6.16	201.7	6.22	
~~1612~~								
0951		14.0	282.2	2.01	6.15	202.8	6.24	
~~1615~~								

Notes / Observations (color, odor, anomalies, etc):

4/28 Started pump @ 8:27 am
 @ original pump settings
 (10, 10, 100)
 ran for 10 minutes, no H₂O
 9:00 pullet pump
 used Deployable to purge/sample

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: AWA DLS 70
 Printed Name

AD
 Signature

**2405 140th ave NE #107
Bellevue, WA 98005**

(425) 746-4600

Project #: 04223020.00		Sampling Method: <u>Dedicated</u>		1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: CSWF 2Q23			Meter: <u>CONTROL SETTINGS:</u>	1 ft water = 0.62L		1L = 0.26 gallons		
Well ID: ESD	MP-20		Refill	<u>10</u>	One Well Volume (liters)		Other: _____	
Sample ID: 0426-06	<u>YSI</u>		Discharge	<u>10</u>			Flow Setting: _____	
Date: 4/26/23			Pressure	<u>100</u>	Total Volume Bailed (liters)			
Weather: clear			Flow	<u>1000 L/min</u>				
Filtered? <u>Y</u> N	Locked? <u>Y</u> N	Water in Protector? Y <u>N</u>	Damage? Y <u>N</u>					
Sample Containers:		1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):		
		500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber			
		125 ml NaOH						

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Jovany Estrada
Printed Name


Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	▽	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: CSWF 2Q23	140.15 /	Meter: MP-20	CONTROL SETTINGS:		1 ft water = 0.62L 1L = 0.26 gallons		
Well ID: F45		Intake	Refill: 12	One Well Volume (liters)		Other:	
Sample ID: 0425-07		BOS	Discharge: 8	Total Volume Bailed (liters)		Flow Setting:	
Date: 4/25/23		Total Depth	Pressure: 80	Flow: 200 ml/min			
Weather: Cloudy							

Filtered? ☒ Y ☐ N

Sample Containers:

Locked? ☒ Y ☐ N

1000 ml Poly

500 ml HNO3 x2

125 ml NaOH

Water in Protector? Y ☒ N

500 ml Poly

500 ml H2SO4 x2

Damage? Y ☒ N

250 ml Poly

40 ml VOA x3 x6

125 ml Poly

1000 ml Amber

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1130		10.0	825	10.13	7.98	76.0	4.70	
1135		10.7	1293	5.94	6.99	79.8	3.36	
1138		10.6	1376	3.91	7.01	72.3	3.18	
1141		10.6	1403	3.12	7.02	65.4	2.95	
1144		10.6	1412	2.85	7.02	62.3	3.01	
1147		10.7	1423	2.53	7.02	58.5	3.06	
1150		10.7	1428	2.36	7.02	55.8	3.18	
1320		10.4	1157	8.66	6.92	44.0	2.79	
1325		10.8	1172	3.46	6.79	48.1	4.31	
1328		10.8	1174	2.97	6.78	46.4	3.85	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: Jovany Estruela
Printed Name

[Signature]
Signature

SCS ENGINEERS

2405 140th ave NE #107
Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00		Sampling Method: <u>Dedicated</u>		<u>1.75" QED SamplePro</u>	<u>Bail</u>	<u>Peristaltic</u>	<u>Grab</u>	<u>Other</u>
Site: CSWF 2Q23			Meter: <u>CONTROL SETTINGS:</u>	1 ft water = 0.62L		1L = 0.26 gallons		
Well ID: <u>E4D</u>	MP-20		Refill: <u>9</u>	One Well Volume (liters): _____		Other: _____		
Sample ID: <u>0425-08</u>	YSI		Discharge: <u>11</u>			Flow Setting: _____		
Date: <u>4/25/23</u>			Pressure: <u>105</u>	Total Volume Bailed (liters): _____				
Weather: <u>Cloudy</u>			Flow: <u>125ml/min</u>					
Filtered? ☒ N	Locked? ☒ N	Water in Protector? ☒ N	Damage? ☒ N					
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							

Notes / Observations (color, odor, anomalies, etc):

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1040		10.5	670	9.66	6.90	272.1	6.25	
1045		10.7	647	4.46	7.31	107.9	5.61	
1048		10.7	648	2.07	7.69	26.8	3.98	
1051		10.7	632	1.68	7.77	5.8	3.73	
1054		10.7	625	1.30	7.85	-19.7	4.22	
1057		10.6	625	1.15	7.87	-31.9	5.21	
1100		10.6	630	1.03	7.88	-44.8	6.39	
1255		11.1	593	7.06	7.28	122.8	6.49	
1300		10.9	596	5.73	7.21	111.6	7.24	
1303		10.9	603	4.34	7.23	71.6	6.59	
1306		10.9	598	2.89	7.35	33.8	5.47	
1309		10.8	562	1.90	7.53	-7.6	3.56	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: Jovany Estrada
Printed Name

Sc
Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00	Sampling Method:		Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County LF		Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	NE15		TOS	MP-20	Refill	10	One Well Volume	Other:	
Sample ID:	0427-09		Intake	YSI	Discharge	10	(liters)	Flow	
Date:	04/27/2023		BOS		Pressure	95	Total Volume Bailed	Setting:	
Weather:	Sunny		Total Depth		Flow	100 ml/min	(liters)		
Filtered?	☒ N	Locked?	☒ N	Water in Protector?	Y ☒ N	Damage?	Y ☒ N		
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Alex Desro
Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00		Sampling Method:	Dedicated		1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County LF		DTW	Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	NE1D		TOS	MP-20	Refill	10	One Well Volume (liters)	Other:		
Sample ID:	0427-10		Intake	YSI	Discharge	10		Flow Setting:		
Date:	04/27/2023		BOS		Pressure	100	Total Volume Bailed (liters)			
Weather:	Sunny		Total Depth		Flow	1000 gpm				
Filtered?	☒ N	Locked?	☒ N	Water in Protector?	Y ☒ N	Damage?	Y ☒ N			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									
Notes / Observations (color, odor, anomalies, etc):										

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex Desno 1/1/20
Printed Name Signature

**2405 140th ave NE #107
Bellevue, WA 98005**

Groundwater Sampling Data Sheet

[illegible]

White growth / Corrosion inside CP

SAMPLER: Ally Delya
Printed Name

AD
Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00		Sampling Method:	<u>Dedicated</u>	1.75" QED SamplePro	Well	Peristaltic	Grab	Other
Site	CSWF 2Q23		Meter:	<u>CONTROL SETTINGS:</u>			1 ft water = 0.62L	1L = 0.26 gallons	
Well ID:	S11D		MP-20	Refill	<u>11</u>	One Well Volume	Other :		
Sample ID:	0427-12		<u>YSI</u>	Discharge	<u>9</u>	(liters)	Flow		
Date:	4/27/23		BOS	Pressure	<u>95</u>	Total Volume Bailed	Setting :		
Weather:	clear	Total Depth	Flow	<u>300 ml/min</u>	(liters)				
Filtered? <u>Y</u> N	Locked? <u>Y</u> N	Water in Protector? <u>Y</u> N	Damage? <u>Y</u> <u>N</u>						
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jorany Estrada
Printed Name


Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	CSWF 2Q23	Meter:	CONTROL SETTINGS:			1 ft water = 0.62L		
Well ID:	SIIS	MP-20	Refill			1L = 0.26 gallons		
Sample ID:	0427-13	YSI	Discharge			One Well Volume _____		
Date:	4/27/23		Pressure			(liters)		
Weather:	clear		Flow			Total Volume Bailed _____		
						(liters)		
Filtered? ☒ N	Locked? Y ☒ N	Water in Protector? Y ☒ N	Damage? Y ☒ N					
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							

Notes / Observations (color, odor, anomalies, etc):

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Jovany Estroza
Printed Name


Signature

**2405 140th ave NE #107
Bellevue, WA 98005**

Groundwater Sampling Data Sheet

Project #: 04223020.00		Sampling Method: <u>Dedicated</u>		1.75" QED SamplePro		Bail	Peristaltic	Grab	Other	
Site: Island County LF			DTW	Meter: CONTROL SETTINGS:	1 ft water = 0.62L		1L = 0.26 gallons			
Well ID: S105	TOS		MP-20	Refill	9.5		One Well Volume	Other:		
Sample ID: 0422-14	Intake		YSI	Discharge	5.5		(liters)	Flow		
Date: 04/27/2023	BOS			Pressure	80		Total Volume Bailed	Setting:		
Weather: Partly Cloudy	Total Depth			Flow	200 mL/min		(liters)			
Filtered? <u>Y</u> <u>N</u>	Locked? <u>Y</u> <u>N</u>	Water in Protector? <u>Y</u> <u>N</u>	Damage? <u>Y</u> <u>N</u>	Notes / Observations (color, odor, anomalies, etc):						
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly							125 ml Poly
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6							1000 ml Amber
	125 ml NaOH									

[illegible]

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

**2405 140th ave NE #107
Bellevue, WA 98005**

(425) 746-4600

Project #: 04223020.00		Sampling Method : Dedicated		1.75" QED SamplePro		Bail		Peristaltic		<u>Grab</u>		Other	
Site: Island County LF		DTW		Meter: CONTROL SETTINGS:		1 ft water = 0.62L		1L = 0.26 gallons					
Well ID: DNR		TOS		MP-20		Refill		One Well Volume		Other:			
Sample ID: 0427-15		Intake		<u>YSI</u>		Discharge		(liters)		Flow			
Date: 04/27/2023		BOS				Pressure		Total Volume Bailed		Setting:			
Weather: Partly Cloudy		Total Depth				Flow		(liters)					
Filtered? <u>Y</u> N		Locked? <u>Y</u> N		Water in Protector? <u>Y</u> N		Damage? <u>Y</u> N							
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly					
		500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber					
		125 ml NaOH											
Notes / Observations (color, odor, anomalies, etc):													

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County LF	Meter: <u>YSI</u>	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons	
Well ID: <u>NID</u>	MP-20	Refill: <u>6</u>	One Well Volume (liters)	Other:		
Sample ID: <u>0425-16</u>	Intake	Discharge: <u>7</u>	Total Volume Bailed (liters)	Flow Setting:		
Date: <u>04/25/2023</u>	BOS	Pressure: <u>85</u>				
Weather: <u>partly cloudy</u>	Total Depth	Flow: <u>300 ml/min</u>				
Filtered? <u>(Y) N</u>	Locked? <u>(Y) N</u>	Water in Protector? <u>(Y) N</u>	Damage? <u>(Y) N</u>			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly		
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber		
	125 ml NaOH					

TIME	DTW	Temp.	Sp. Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1414		11.0	1180	10.15	7.73	192.4	4.48	
1419		10.5	1398	9.76	7.55	191.4	3.06	
1422		11.4	1412	8.93	7.38	188.3	3.15	
1425		11.5	1418	5.96	7.13	177.8	3.16	
1428		11.6	1423	3.84	7.08	51.1	2.85	
1431		11.5	1426	2.98	7.08	8.6	2.80	
1434		11.5	1425	2.39	7.09	-12.7	2.71	
1437		11.5	1424	2.06	7.09	-23.9	2.72	
1440		11.6	1425	1.90	7.09	-29.5	2.73	
4/26 1430		11.1	1454	5.27	7.29	150.8	3.76	
1433		10.1	1440	4.79	7.17	156.2	3.72	
1436		11.2	1440	4.59	7.15	158.4	3.66	

Notes / Observations (color, odor, anomalies, etc):

Bee nest in lock cap

DO stabilize extra time

VOA's taken 4/26
1436

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$, or ≤ 5

SAMPLER:

Alex T520
Printed Name

AD
Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	Sampling Method: Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County LF	Meter: MP-20	CONTROL SETTINGS:				
Well ID: N2D	Intake: YSI	Refill: 12	1 ft water = 0.62L		1L = 0.26 gallons	
Sample ID: 0425-17	BOS	Discharge: 8	One Well Volume (liters)		Other:	
Date: 04/25/2023	Total Depth	Pressure: 85	Total Volume Bailed (liters)		Flow Setting:	
Weather: cloudy		Flow: 300 mL/min				
Filtered? ☒ Y ☐ N	Locked? ☐ Y ☒ N	Water in Protector? ☐ Y ☒ N	Damage? ☐ Y ☒ N			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly		
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber		
	125 ml NaOH					

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1300		13.2	1222	3.24	6.98	191.6	3.64	
1305		13.0	1177	1.52	6.98	195.8	3.47	
1308		13.0	1181	1.32	6.88	195.9	3.08	
1311		13.0	1186	1.21	6.87	195.7	3.07	
1314		13.0	1186	1.14	6.87	195.3	3.02	
1317		13.0	1187	1.09	6.87	194.6	2.98	
1320		13.0	1187	1.05	6.87	194.0	3.00	
4/26 1357		14.0	1227	4.88	6.96	176.2	3.02	
1400		13.4	1214	3.32	6.91	181.1	3.11	
1403		13.3	1205	1.34	6.89	180.4	3.16	
1406		13.3	1203	1.17	6.89	179.2	3.11	

Notes / Observations (color, odor, anomalies, etc):

Dup taken @ 1335

0425-28

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Alex Desro
Printed Name

Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County LF	Meter: <u>MP-20</u>	CONTROL SETTINGS:				
Well ID: <u>N25</u>	<u>YSI</u>	Refill: <u>10</u>	1 ft water = 0.62L		1L = 0.26 gallons	
Sample ID: <u>0425-18</u>		Discharge: <u>5</u>	One Well Volume (liters)		Other:	
Date: <u>04/25/2023</u>		Pressure: <u>90</u>	Total Volume Bailed (liters)		Flow Setting:	
Weather: <u>Cloudy</u>		Flow: <u>280 mL/min</u>				
Filtered? <u>Y</u> N	Locked? <u>Y</u> N	Water in Protector? <u>Y</u> N	Damage? <u>Y</u> N			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly		
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber		
	125 ml NaOH					

TIME	DTW	Temp.	Sp. Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1213		12.9	877	9.38	7.61	210.1	4.10	
1218		12.9	1299	7.06	6.89	234.2	3.06	
1221		12.9	1339	5.21	6.82	237.9	3.07	
1224		12.9	1357	4.12	6.79	239.3	3.12	
1227		12.9	1365	3.55	6.78	239.8	3.14	
1230		12.9	1370	3.21	6.77	239.9	3.11	
1233		12.9	1372	2.96	6.76	239.7	3.10	
1236		12.9	1374	2.80	6.76	239.5	3.15	
4/26 1335		13.3	1378	6.42	6.91	160.3	2.98	
1338		13.2	1383	3.35	6.80	169.2	3.18	
1341		13.1	1361	2.78	6.78	173.0	3.11	
1344		13.2	1377	1.92	6.75	173.6	3.06	
1347		13.2	1382	1.72	6.74	172.9	3.07	

Notes / Observations (color, odor, anomalies, etc):

Extra time to stabilize DO

VOA's taken
@ 1347
4/26

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Alex Deso

Signature

AD

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County LF	Meter: <u>YSI</u>	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons	
Well ID: <u>N30</u>	MP-20	Refill: <u>8</u>	One Well Volume (liters)	Other:		
Sample ID: <u>0425-19</u>	Intake	Discharge: <u>7</u>	Total Volume Bailed (liters)	Flow Setting:		
Date: <u>04/25/2023</u>	BOS	Pressure: <u>80</u>				
Weather: <u>Partly Cloudy</u>	Total Depth	Flow: <u>400 ml/min</u>				
Filtered? <u>Y</u>	Locked? <u>Y</u>	Water in Protector? <u>Y</u>	Damage? <u>Y</u>			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly		
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber		
	125 ml NaOH					

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1103		11.8	589	9.85	7.46	189.9	3.66	
1108		11.7	672	9.12	6.87	210.4	3.77	
1111		12.0	674	8.64	6.74	217.4	3.53	
1114		12.2	672	8.28	6.65	223.9	3.51	
1117		12.4	669	7.97	6.58	229.9	3.17	
1120		12.5	667	7.71	6.54	234.3	3.30	
1123		12.5	666	7.54	6.52	238.6	2.93	
1305		12.3	676	5.55	7.45	114.8	3.48	
1308		13.2	671	3.86	7.12	143.7	3.49	
1311		12.5	676	1.90	7.32	147.1	4.85	
1314		12.2	687	1.19	7.35	131.6	5.44	
1317		12.2	679	1.07	7.42	133.4	4.96	

Notes / Observations (color, odor, anomalies, etc):

DUP taken @ 1143
0425-29

0425-19
VOA's taken
@ 1317
0425-29 VOA's
taken @

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County LF	Meter: <u>MP-20</u>	CONTROL SETTINGS:		1 ft water = 0.62L 1L = 0.26 gallons		
Well ID: <u>N35</u>	MP-20	Refill: <u>10</u>	One Well Volume (liters)		Other:	
Sample ID: <u>0425-20</u>	YSI	Discharge: <u>5</u>	Total Volume Bailed (liters)		Flow Setting:	
Date: <u>04/25/2023</u>	BOS	Pressure: <u>80</u>				
Weather: <u>partly cloudy</u>	Total Depth	Flow: <u>300 mL/min</u>				
Filtered? <u>Y</u> <u>N</u>	Locked? <u>Y</u> <u>N</u>	Water in Protector? <u>Y</u> <u>N</u>	Damage? <u>Y</u> <u>N</u>			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly		
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber		
	125 ml NaOH					

TIME	DTW	Temp.	Sp. Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1009		12.6	931	7.38	6.86	247.4	3.82	
1014		12.5	1031	6.01	6.93	251.8	4.04	
1017		12.6	1036	6.00	6.95	251.7	4.17	
~~1020~~				~~6.24~~				
1028		12.7	1036	~~6.84~~	6.49	246.8	4.30	
~~1029~~								
1031		12.8	1036	6.39	6.99	245.7	4.43	
~~1036~~								
1034		12.7	1032	6.57	6.99	245.2	4.85	
~~1039~~								
1037		12.6	1024	6.69	6.98	245.0	5.31	
1243		13.1	1023	5.46	6.51	221.0	3.46	
1246		12.6	1044	5.99	6.87	217.6	3.38	
1249		12.5	1034	6.09	6.93	220.1	3.38	

Notes / Observations (color, odor, anomalies, etc):

1020 trouble w/ N tank,
fixed at 1028

VOA bottles
filled @ 1249
4/26

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00			Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County LF			Meter:	CONTROL SETTINGS:			1 ft water = 0.62L	1L = 0.26 gallons	
Well ID:	E2D			MP-20	Refill	18	One Well Volume (liters)	Other:		
Sample ID:	0426-21			YSI	Discharge	10		Flow Setting:		
Date:	04/26/2023				Pressure	105	Total Volume Bailed (liters)			
Weather:	partly cloudy				Flow	300 ml/min				
Filtered?	Y	N		Locked?	Y	N		Water in Protector?	Y	N
Sample Containers:	1000 ml Poly		500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2		500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH									
Notes / Observations (color, odor, anomalies, etc):										

TIME	DTW.	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1510		12.9	1300	8.26	7.32	153.6	5.67	
1515		13.0	1429	4.01	6.74	170.8	3.03	
1518		13.0	1383	3.12	6.68	171.7	4.03	
1521		13.1	1388	2.61	6.67	171.7	7.03	
1524		13.1	1402	2.35	6.66	171.1	11.72	
1527		13.0	1408	2.12	6.66	170.8	21.51	
1530		13.0	1411	1.94	6.65	170.9	41.17	

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature

**2405 140th ave NE #107
Bellevue, WA 98005**

Groundwater Sampling Data Sheet

Project #:	04223020.00	  136.20	DTW	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County LF		TOS	Meter:	CONTROL SETTINGS:					
Well ID:	EZS		Intake	MP-20	Refill	12	One Well Volume			
Sample ID:	0428-22		BOS	YSI	Discharge	8	(liters)			
Date:	04/26/2023		Total Depth		Pressure	90	Total Volume Bailed			
Weather:	partly cloudy			Flow	350 ml/min	(liters)				
Filtered?	☒ N	Locked?	☒ N	Water in Protector?	☒ N	Damage?	☒ N			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
	500 ml HNO3 x2'	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									
Notes / Observations (color, odor, anomalies, etc):										

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00		Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other	
Site	Island County LF		DTW	Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	E1D		TOS	MP-20	Refill	8	One Well Volume	Other:		
Sample ID:	0427-23		Intake	YSI	Discharge	7	(liters)	Flow		
Date:	04/ 27 /2023		BOS		Pressure	95	Total Volume Bailed	Setting:		
Weather:	cloudy	Total Depth		Flow	250 m3/min	(liters)				
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):					
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0836		11.4	1644	2.41	6.79	123.1	1460	
0841		11.4	1718	0.92	6.88	-18.2	580.7	
0844		11.4	1715	0.87	6.90	-14.1	264.2	
0847		11.4	1709	0.83	6.92	-11.6	265.3	
0850		11.3	1700	0.82	6.93	-6.7	164.7	
0853		11.4	1681	0.80	6.94	-0.6	174.5	
0856		11.4	1670	0.78	6.94	4.3	139.3	

Notes / Observations (color, odor, anomalies, etc):

Replaced pump

Water become extremely turbid
Shortly after starting new pump

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: ALX 02510
Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00			Sampling Method:	Dedicated		1.75" QED SamplePro		Bail	Peristaltic	Grab	Other	
Site	Island County LF			DTW	Meter:	CONTROL SETTINGS:		1 ft water = 0.62L		1L = 0.26 gallons			
Well ID:	E15			TOS	MP-20	Refill	12.5		One Well Volume	Other:			
Sample ID:	0427-24			Intake	YSL	Discharge	7.5		(liters)	Flow			
Date:	04/27/2023			BOS		Pressure	80		Total Volume Bailed	Setting:			
Weather:	110084			Total Depth		Flow	300 ml/min		(liters)				
Filtered?	Y N			Locked?	Y N			Water in Protector?	Y N		Damage?	Y N	
Sample Containers:	1000 ml Poly			500 ml Poly	250 ml Poly		125 ml Poly		Notes / Observations (color, odor, anomalies, etc):				
	500 ml HNO3 x2			500 ml H2SO4 x2	40 ml VOA x3 x6		1000 ml Amber						
	125 ml NaOH												

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

**2405 140th ave NE #107
Bellevue, WA 98005**

Groundwater Sampling Data Sheet

Bellevue, WA 98005				(425) 746-4600	Groundwater Sampling Form					
Project #: 04223020.00				Sampling Method : Dedicated		1.75" QED SamplePro	Bail	Peristaltic	<u>Grab</u>	Other
Site CSWF 2Q23				Meter: MP-20 <u>YSI</u>	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID: WRI					Refill		One Well Volume (liters)	Other :		
Sample ID: 0427-25					Discharge		Total Volume Bailed (liters)	Flow Setting :		
Date: 4/27/23					Pressure					
Weather: Clear					Flow					
Filtered? <u>Y</u> N	Locked? Y <u>N</u>	Water in Protector? Y <u>N</u>	Damage? Y <u>N</u>							
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									
					Notes / Observations (color, odor, anomalies, etc):					

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Jevany Estrade
Printed Name


Signature


Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.00	Sampling Method :		Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	CSWF 2Q23		Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	E10D		MP-20	Refill	10	One Well Volume	Other :		
Sample ID:	0427-27		YSI	Discharge	10	(liters)	Flow		
Date:	4/27/23		BOS	Pressure	100	Total Volume Bailed	Setting :		
Weather:	Cloudy		Total Depth	Flow	100ml/min	(liters)			
Filtered? ☒ Y ☐ N	Locked? ☒ Y ☐ N	Water in Protector? ☐ Y ☒ N	Damage? ☐ Y ☒ N						
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovany Estrada
Printed Name


Signature

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	4/25/23					
Time	0920					
Weather (sky or precip, temp)	Cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1513	3.95	6.97	9.39		
Post Cal Reading	1413	4.00	7.00	8.50		
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	Jovan + Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	Maintenance building					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	4/25/23					
Time	9:25					
Weather (sky or precip, temp)	Partly Cloudy 45°					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	~~1415~~ 1402 AD	4.05	7.08	6.87		
Post Cal Reading	1413	4.00	7.00	8.5		
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	AD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	Island County Maintenance Shed					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	4/26/23					
Time	12:15					
Weather (sky or precip, temp)	Cloudy 45°					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1388	4.07	6.99	9.46		
Post Cal Reading	1413	4.00	7.00	8.5		
Discrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AD					
Instrument Type, ID	~~YSI Pro DDS~~ / YSI 556 / Rental			~~YSI Pro DDS~~ / HACH2000		
Calibration Location	Maintenance Shed					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	4/26/23					
Time	12:30					
Weather (sky or precip, temp)	cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1704	4.40	7.26	9.31		
Post Cal Reading	1413	4.00	7.00	8.5		
Discrepancy	No					
Calib. Successful?	yes					
Calibration by	Jovany Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	Maintenance					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	4/27/23					
Time	0745					
Weather (sky or precip, temp)	Foggy 45°					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1406	3.97	6.98	9.15		
Post Cal Reading	1413	4.00	7.00	8.5		
Discrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	~~YSI Pro DDS~~ YSI 556 / Rental			~~YSI Pro DDS~~ / HACH2000		
Calibration Location	Shed					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	4/27/23					
Time	7:45					
Weather (sky or precip, temp)	cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1426	3.87	6.93	9.56		
Post Cal Reading	1413	4.00	7.00	8.5		
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	Jovany Estrada					
Instrument Type, ID	YSI Pro DDS ~~T~~ YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	maintenance					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	4/28/23					
Time	0815					
Weather (sky or precip, temp)	Sunny					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1424	3.96	7.12	7.90		
Post Cal Reading	1413	4.00	7.00	8.5		
Discrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	E7D					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 4-18-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 10 MPH Wind Direction: E Barometric Pressure: 29.44Hg

Air Temperature: 46F General Weather Conditions: Overcast

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH₄ - 50.0% %CO₂ - 35.0% %O₂ - 20.9%

Time	CH ₄	CO ₂	O ₂
08:10	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH ₄	CO ₂	O ₂
11:45	50.0%	35.0%	20.9%

NOTES:

DAILY LOG

DAILY LOG

JOB NO.	04207033.11	TASK NO.	1,2,3	DATE	4-19-23	PROJECT NAME	Island County Landfill
TEMP	41	BARO	29.75	WIND	4 MPH SW	WEATHER	Overcast

[illegible]

PREPARED BY: Simon Garibaldo

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 4-19-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: SW_Barometric Pressure: 29.75 Hg

Air Temperature: 41 F General Weather Conditions: Overcast

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH4 - 50.0% %CO2 - 35.0% %O2 - 20.9%

Time	CH4	CO2	O2
07:50	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
10:15	50.0%	35.0%	20.9%

NOTES:

DAILY LOG

DAILY LOG

JOB NO.	04207033.11	TASK NO.	1,2,3	DATE	6-6-23	PROJECT NAME	Island County Landfill
TEMP	62	BARO	29.69	WIND	4 MPH N	WEATHER	Clear

[illegible]

PREPARED BY: Simon Garibaldo

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 6-6-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: SW_Barometric Pressure: 29.69 Hg

Air Temperature: 62 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH4 - 50.0% %CO2 - 35.0% %O2 - 20.9%

Time	CH4	CO2	O2
07:30	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
10:00	50.0%	35.0%	20.9%

NOTES:

August 14, 2023
File No. 04223020.02

Subject: **Third Quarter 2023 Groundwater Monitoring Event
Coupeville Solid Waste Facility, Island County, Washington**

NOTES/SAMPLE DECODING:

Event Date: July 27, 2023

Field Staff: Alex Deszo & Jovany Estrada

- This was a quarterly monitoring event.
- A duplicate sample was collected from monitoring well N2D.
- The YSI Multiparameter meter was calibrated daily prior to sampling.
- Monitoring wells E2D and E4D were sampled for VOCs only.

Sample Date	Sample Number	Well ID
7/27/23	0723-01	E10D
7/27/23	0723-02	E9D
7/27/23	0723-03	E4D
7/27/23	0723-04	E5D
7/27/23	0723-05	E8D
7/27/23	0723-06	E6D
7/27/23	0723-07	E2D
7/27/23	0723-08	N2D
7/27/23	0723-09	N2D (Duplicate)
7/27/23	0723-10	E7D
7/27/23	0723-11	DNR
7/27/23	0723-12	WR1

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00

Site: Island Country CSFW

Well ID: E100

Sample ID: 0723-01

Date: 7/27/23

Weather: Sunny

Filtered? ☒ N

Sample Containers:

Locked? ☒ Y ☒ N

Water in Protector? Y ☒ N

Damage? Y ☒ N

1000 ml Poly

500 ml Poly

250 ml Poly

125 ml Poly

500 ml HNO₃ x2

500 ml H₂SO₄ x2

40 ml VOA x3 x6

1000 ml Amber

125 ml NaOH

Sampling Method: Dedicated

1.75" QED SamplePro

Bail

Peristaltic

Grab

Other

Meter: YSI

CONTROL SETTINGS:

1 ft water = 0.62L

1L = 0.26 gallons

Refill 10

One Well Volume (liters)

Other: _____

Discharge 10

Pressure 100

Flow 150 gpm

Total Volume Bailed (liters)

Flow Setting: _____



161.21

DTW

TOS

Intake

BOS

Total Depth

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1238		12.7	1080	10.97	6.95	-41.5	13	
1243		11.4	1090	12.20	7.05	-92.9		
1246		11.2	1061	12.34	6.98	-93.1		
1249		11.1	978	12.42	6.91	-93.1	5	
1252		11.2	978	12.38	6.86	-95.2		
1255		11.2	990	12.35	6.52	-95.0		
1258		11.2	1010	12.38	6.24	-95.3	5	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deese

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04220002-03		04223000, 00		Sampling Method:	Dedicated		1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Hidden Valley Landfill		CSFW		Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons			
Well ID:	E915		160.07		DTW	MP-20		Refill	One Well Volume		Other:	
Sample ID:	0723-02		/		TOS	YSI		Discharge	(liters)		Flow	
Date:	4/1/2023		/		BOS	/		Pressure	Total Volume Bailed		Setting:	
Weather:	Sunny		/		Total Depth	/		Flow	(liters)		/	
Filtered? Y N	Y N		Y N		Y N		Y N		Notes / Observations (color, odor, anomalies, etc):			
Sample Containers:	1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly					
	500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber					
	125 ml NaOH											

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: <u>04220002-03 - 04223020.00</u>		Sampling Method: <u>Dedicated</u>		1.75" QED SamplePro		Bail		Peristaltic		Grab		Other	
Site: <u>Hidden Valley Landfill - CSFW</u>		DTW: <u>151.41</u>		Meter: <u>CONTROL SETTINGS:</u>		1 ft water = 0.62L		1L = 0.26 gallons					
Well ID: <u>E4D</u>		TOS		MP-20		Refill: <u>10</u>		One Well Volume (liters)		Other: _____			
Sample ID: <u>0723-03</u>		Intake		<u>YSI</u>		Discharge: <u>10</u>				Flow Setting: _____			
Date: <u>4/12/23 7/27/23</u>		BOS				Pressure: <u>100</u>		Total Volume Bailed (liters)					
Weather: <u>Sunny</u>		Total Depth				Flow: <u>100 ml/min</u>							
Filtered? <u>Y</u>		Locked? <u>Y</u>		Water in Protector? <u>Y</u>		Damage? <u>Y</u>							
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly		Notes / Observations (color, odor, anomalies, etc):			
		500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber					
		125 ml NaOH											

[illegible]

Notes / Observations (color, odor, anomalies, etc):

VOC'S only

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature _____

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223001.02	Sampling Method: Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: LRI 304th	Meter: MP-20	CONTROL SETTINGS:		1 ft water = 0.62L 1L = 0.26 gallons		
Well ID: ESD	DTW	Refill	10	One Well Volume (liters)	Other:	
Sample ID: 0723-04	TOS	Discharge	10	Total Volume Bailed (liters)	Flow Setting:	
Date: 7/27/23	Intake	Pressure	106			
Weather: Clear	BOS	Flow	150 ml/min			
Filtered? Y N	Total Depth					
Locked? Y N	Damage? Y N					
Sample Containers:	Water in Protector? Y N					
1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly			
500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber			
125 ml NaOH						

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1255		21.0	903	8.99	8.07	172.8	5.44	
1300		14.0	1389	2.95	7.21	-79.3	3.63	
1303		13.7	1379	2.04	7.20	-101.3	3.43	
1306		13.7	1390	1.70	7.18	-106.6	3.38	
1309		13.7	1422	1.47	7.16	-109.8	3.55	
1312		13.6	1452	1.34	7.14	-111.0	3.29	
1315		13.4	1474	1.28	7.14	-111.4	3.26	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: Jovan Estrada
Printed Name

[Signature]
Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223001-02 04223020 00		Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site:	LRI 304# CSWF		Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	E8D		MP-20	Refill	10	One Well Volume (liters)	Other:		
Sample ID:	0723-05		YSI	Discharge	10		Flow Setting:		
Date:	31-123 7/27/23		BOS	Pressure	100	Total Volume Bailed (liters)			
Weather:	Clear		Total Depth	Flow	100 ml/min				
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N		
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								
Notes / Observations (color, odor, anomalies, etc):									

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1413		14.7	608	9.55	7.96	151.2	4.21	
1418		12.9	600	5.52	7.42	168.2	4.53	
1421		12.6	598	2.97	7.40	-78.4	4.40	
1424		12.4	597	2.30	7.46	-111.4	4.23	
1427		12.5	597	1.91	7.50	-128.7	4.07	
1430		12.4	600	1.58	7.56	-145.1	3.79	
1433		12.4	601	1.43	7.58	-154.3	3.69	

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovany Estrada
Printed Name


Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.00	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County LF	Meter: MP-20	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons	
Well ID: <u>E6D</u>	Intake: <u>YSI</u>	Refill: <u>9</u>	Discharge: <u>11</u>	One Well Volume (liters):	Other:	
Sample ID: <u>0723-06</u>	BOS	Pressure: <u>100</u>	Flow: <u>100 w/m</u>	Total Volume Bailed (liters):	Flow Setting:	
Date: <u>04/12/2023 7/23/23</u>	Total Depth: <u>159.98</u>					
Weather: <u>Sunny</u>	DTW					
Filtered? <u>Y</u> N	TOS					
Sample Containers:	Water in Protector? <u>Y</u> <u>N</u>	Damage? <u>Y</u> <u>N</u>				
1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly			
500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber			
125 ml NaOH						

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1127		17.7	759	7.51	6.46	-47.2	6	
1132		15.7	775	8.59	6.48	-73.5		
1135		15.7	777	8.61	6.48	-77.1		
1138		15.7	776	8.60	6.55	-81.5	3	
1141		15.7	777	8.61	6.62	-84.6		
1144		15.7	774	8.61	6.68	-85.9		
1147		15.6	771	8.67	6.72	-85.4	11	

Notes / Observations (color, odor, anomalies, etc):

Ran out of gas at 12:00,
Resumed sample at 12:12

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deza
Printed Name

AD
Signature

Bellevue, WA 98005

(425) 746-4600

Project #: ~~04220002.00~~ 04223020.00

Site ~~Hidden Valley Landfill~~ CSFW

Well ID: E2D

Sample ID: 0723 - 07

Date: ~~11/1/2023~~ 7/29/23

Weather: Sunny

Filtered? Y

Locked? Y N

Water in Protector? Y N

Damage? Y ☒ N

Sample Containers:

1000 ml Poly

500 ml Poly

250 ml Poly

125 ml Poly

500 ml HNO3 x2

500 ml H₂SO₄ x2

40 ml VOA x3 x6

1000 ml Amber

125 ml NaOH

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature

Notes / Observations (color, odor, anomalies, etc):

VOC'S ONLY

plt significantly low, VSI may have lost calibration?

Bellevue, WA 98005

(425) 746-4600

Project #:	04223001.02			Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other		
Site	LRI 304th			Meter:	CONTROL SETTINGS:			1 ft water = 0.62L 1L = 0.26 gallons				
Well ID:	N2B			MP-20	Refill	12	One Well Volume	Other:				
Sample ID:	0723-08			YSI	Discharge	8	(liters)	Flow				
Date:	7/27/23			BOS	Pressure	90	Total Volume Bailed	Setting:				
Weather:	Clear			Total Depth	Flow	250 ml/min	(liters)					
Filtered?	Y	N		Locked?	Y	N		Water in Protector? Y			N	
Sample Containers:	1000 ml Poly			500 ml Poly			250 ml Poly			125 ml Poly		
	500 ml HNO3 x2			500 ml H2SO4 x2			40 ml VOA x3 x6			1000 ml Amber		
	125 ml NaOH											
Notes / Observations (color, odor, anomalies, etc):												

[illegible]Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovany Estrada
Printed Name


Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #:	04222010.00	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site:	Coupeville Solid Waste Facility	Meter:	CONTROL SETTINGS:			1 ft water = 0.62L	1L = 0.26 gallons	
Well ID:	E7D	MP-20	Refill	9	One Well Volume (liters)	Other:		
Sample ID:	0723-10	YSI	Discharge	11	Total Volume Bailed (liters)	Flow Setting:		
Date:	10/12/2022 7/27/23		Pressure	100				
Weather:	Clear		Flow					
Filtered? ☒ N	Locked? ☒ N	Water in Protector? ☒ N	Damage? ☒ N					
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
8:59	144.12	15.5	380	8.75	5.82	-63.3	19	
9:04		15.0	382	9.09	5.92	-58.4		
9:07		15.0	383	9.13	6.01	-56.2		
9:10		14.95	386	9.17	5.89	-53.4	11	
9:13		14.9	391	9.22	6.09	-52.8		
9:16		14.9	398	9.23	5.96	-52.1		
9:19		14.9	407	9.22	5.97	-51.6	10	

Notes / Observations (color, odor, anomalies, etc):

Pulled pump after surging,
still not working

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

Groundwater Sampling Data Sheet

Notes / Observations (color, odor, anomalies, etc):

meter 027/230

Signature _____


Signature

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	7/27/23					
Time	7:56					
Weather (sky or precip, temp)	Clear					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	746	3.93	6.93	8.4		
Post Cal Reading	1413	4.00	7.00	8.6		
Discrepancy	No					
Calib. Successful?	yes					
Calibration by	Jovanth Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	mant. Building					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	7/27/23					
Time	7:53					
Weather (sky or precip, temp)	Sunny, 57°					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1335	3.99	8.34	12.06		
Post Cal Reading	1413	4.00	6.75	8.49		
Discrepancy	Minor, pH having trouble (8.34 out of range) but calibrated correctly afterwards					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / ~~YSI 556~~ / Rental			YSI Pro DDS / HACH2000		
Calibration Location	CSWF Bldg 9 Lot					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

DAILY LOG

[illegible]

PREPARED BY: Simon Garibaldo

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 7-24-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 1 MPH Wind Direction: N _Barometric Pressure: 29.79 Hg

Air Temperature: 66 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH4 - 50.0% %CO2 - 35.0% %O2 - 20.9%

Time	CH4	CO2	O2
07:45	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
13:00	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.04207033.11TASK NO.1,2,3DATE7-25-23PROJECT NAMEIsland County Landfill

TEMP66BARO29.74WIND1 MPHNWEATHERRain

SCS-FS LABOR		HOURS	OT			HOURS	OT
Simon Garibaldo		8	2	Project Foreman		10	
					DAILY TOTAL	10	
EQUIP, SVCS, MTLs, MLG		QTY	UNITS			QTY	UNITS
Service Truck		1	\$18.50 Hourly	SCS Field Service		10	\$185.00
Gem - 5000		1	\$185.00 Daily	SCS Field Service		1	\$185.00
INSTRUMENT CALIBRATION (CAL. GAS)			CH4 (%-VOL)	O2 (%-VOL)	CO2 (%-VOL)		
MODEL		S/N					
Gem – 5000		G505292	50%	20.9%	35.0%		
Flare Station		Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1			2.4	9.50'	SV LFG	2.8” 4.2”	50% Open
Blower # 2			3.2				50% Open
Propane Tank Level		Propane Line PSI					
80% Full		9					
SUMMARY	0810 SDG onsite to complete the Qtly monitoring, make well adjustments, paint propane line, install gravel over						
Propane line.							
0840 SDG calibrating the Gem - 5000							
0910 SDG monitoring the Probes							
1219 Completed the Qtly Monitoring							
1240 Post Calibration of the Gem - 5000							
1300 Painting the propane line at the flare station.							
1500 SDG offsite							

PREPARED BY: Simon Garibaldo

ACCEPTED BY:

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 7-25-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 1 MPH Wind Direction: N _Barometric Pressure: 29.74 Hg

Air Temperature: 66 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH4 - 50.0% %CO2 - 35.0% %O2 - 20.9%

Time	CH4	CO2	O2
08:40	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
12:40	50.0%	35.0%	20.9%

NOTES:

DAILY LOG

[illegible]

PREPARED BY: Simon Garibaldo

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 9-12-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 1 MPH Wind Direction: E _Barometric Pressure: 29.87 Hg

Air Temperature: 67 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH₄ - 50.0% %CO₂ - 35.0% %O₂ - 20.9%

Time	CH ₄	CO ₂	O ₂
07:15	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH ₄	CO ₂	O ₂
10:00	50.0%	35.0%	20.9%

NOTES:

October 27, 2023
File No. 04223020.03

Subject: **Fourth Quarter 2023 Groundwater Monitoring Event
Coupeville Solid Waste Facility, Island County, Washington**

NOTES/SAMPLE DECODING:

Event Dates: October 24-26, 2023

Field Staff: Jovany Estrada & Alex Deszo

- This was a semi-annual monitoring event.
- Duplicate samples were collected from monitoring wells N2D and N3D.
- YSI Multiparameter meters were calibrated daily prior to sampling.
- Monitoring well E1S was sampled for Nitrates only.
- Monitoring well E7D was sampled with deployable pump as pump has not been replaced.

Sample Date	Sample Number	Well ID
10/26/23	1026-01	DOT
10/25/23	1025-02	E3D
10/24/23	1024-03	E5D
10/25/23	1025-04	E6D
10/26/23	1026-05	E7D
10/25/23	1025-06	E8D
10/24/23	1024-07	E4S
10/24/23	1024-08	E4D
10/24/23	1024-09	NE1S
10/24/23	1024-10	NE1D
10/25/23	1025-11	N5D
10/25/23	1025-12	S11D
10/25/23	1025-13	S11S
10/25/23	1025-14	S10S
10/26/23	1026-15	DNR
10/24/23	1024-16	N1D
10/24/23	1024-17	N2D
10/24/23	1024-18	N2S
10/24/23	1024-19	N3D
10/24/23	1024-20	N3S
10/25/23	1025-21	E2D

10/25/23	1025-22	E2S
10/24/23	1024-23	E1D
10/24/23	1024-24	E1S
10/26/23	1026-25	WR1
10/25/23	1025-26	E9D
10/25/23	1025-27	E10D
10/24/23	1024-28	N2D (Duplicate)
10/24/23	1024-29	N3D (Duplicate)

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03		Sampling Method : Dedicated		1.75" QED SamplePro		Bail	Peristaltic	Grab	Other
Site: Island County CSWF		DTW		Meter: CONTROL SETTINGS:		1 ft water = 0.62L		1L = 0.26 gallons	
Well ID: D08		TOS		MP-20		Refill		One Well Volume	
Sample ID: 1026-01		Intake		YSI		Discharge		(liters)	
Date: 10/26/23		BOS				Pressure		Total Volume Bailed	
Weather: Partly Cloudy		Total Depth				Flow		(liters)	
Filtered? Y N	Locked? Y N	Water in Protector? Y N		Damage? Y N					
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly	
		500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber	
		125 ml NaOH							
Notes / Observations (color, odor, anomalies, etc):									

[illegible]

Notes / Observations (color, odor, anomalies, etc):

Meter read
40.29699

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03		Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other		
Site	Island County CSWF		Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons				
Well ID:	E3D		MP-20	Refill	11	One Well Volume	Other:				
Sample ID:	1025-02		YSI	Discharge	9	(liters)	Flow Setting:				
Date:	6/25/23		BOS	Pressure	100	Total Volume Bailed					
Weather:	Partly Cloudy		Total Depth	Flow	100 ml/min	(liters)					
Filtered?	Y	N	Locked?	Y	N	Water in Protector?	Y	N	Damage?	Y	N
Sample Containers:	1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly				
	500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber				
	125 ml NaOH										
Notes / Observations (color, odor, anomalies, etc):											

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Ek	Turbidity	Q / Vol.
0942		11.1	705	7.65	7.26	306.7	3.27	
0947		11.3	701	7.73	7.71	306.8	3.22	
0950		11.3	705	7.74	7.71	307.0	3.24	
0953		11.0	717	~~7.72~~ 7.68	7.68	177.5	3.21	
0956		11.0	719	7.70	7.66	201.7	3.19	
0959		11.0	721	7.30	7.61	238.6	3.23	
(1002)		10.9	722	6.77	7.57	251.7	3.22	
1005		11.0	723	5.86	7.53	262.1	3.21	
1008		11.0	723	5.10	7.50	269.2	3.24	

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1521		12.3	1203	8.69	7.38	268.3	6.77	
1526		11.7	1346	2.74	7.24	247.5	3.99	
1529		11.7	1328	1.66	7.24	88.9	3.45	
1532		11.7	1343	1.16	7.22	-20.1	3.52	
1535		11.7	1361	0.95	7.21	-46.2	3.22	
1538		11.7	1377	0.80	7.21	-61.0	3.30	
1541		11.7	1392	0.69	7.19	-69.8	3.32	

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

J. Estrada
Printed Name


Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County CSWF	Meter:	CONTROL SETTINGS:			1 ft water = 0.62L	1L = 0.26 gallons	
Well ID:	E3D	MP-20	Refill	10	One Well Volume	Other:		
Sample ID:	1026-05	YSI	Discharge	10	(liters)	Flow		
Date:	10/26/23	BOS	Pressure	100	Total Volume Bailed	Setting:		
Weather:	Cloudy	Total Depth	Flow	50 ml/min	(liters)			
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N	
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):			
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3	1000 ml Amber x6				
	125 ml NaOH							

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: J. Estrada
Printed Name


Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03			Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other		
Site	Island County CSWF			Meter:	CONTROL SETTINGS:			1 ft water = 0.62L	1L = 0.26 gallons			
Well ID:	E8D			MP-20	Refill	10	One Well Volume	Other:				
Sample ID:	1025-06			YSI	Discharge	10	(liters)	Flow				
Date:	10/25/23			BOS	Pressure	100	Total Volume Bailed	Setting:				
Weather:	Cloudy			Total Depth	Flow	100 ml/min	(liters)					
Filtered?	Y	N		Locked?	Y	N		Water in Protector?			Y	N
Sample Containers:	1000 ml Poly			500 ml Poly			250 ml Poly			125 ml Poly		
	500 ml HNO3 x2			500 ml H2SO4 x2			40 ml VOA x3 x6			1000 ml Amber		
	125 ml NaOH											
Notes / Observations (color, odor, anomalies, etc):												

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: J. Estrada
Printed Name

Signature _____

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County CSWF	DTW	140.69	Meter:	CONTROL SETTINGS:	1 ft water = 0.62L	1L = 0.26 gallons	
Well ID:	EJS	TOS		MP-20	Refill	12	One Well Volume (liters)	Other:
Sample ID:	1024-07	Intake		YSI	Discharge	8		Flow Setting:
Date:	10/24/23	BOS			Pressure	80	Total Volume Bailed (liters)	
Weather:	Cloudy	Total Depth			Flow	200 ml/min		
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N	
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							
Notes / Observations (color, odor, anomalies, etc):								

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature _____

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03			Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other	
Site	Island County CSWF			Meter:	CONTROL SETTINGS:			1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	E4D			MP-20	Refill	9	One Well Volume	Other:			
Sample ID:	1024-08			YSI	Discharge	11	(liters)	Flow			
Date:	10/24/23				Pressure	105	Total Volume Bailed	Setting:			
Weather:	Cloudy				Flow	25 ml/min	(liters)				
Filtered?	Y	N		Locked?	Y	N		Water in Protector? Y			N
Sample Containers:	1000 ml Poly			500 ml Poly			250 ml Poly			125 ml Poly	
	500 ml HNO3 x2			500 ml H2SO4 x2			40 ml VOA x3 x6			1000 ml Amber	
	125 ml NaOH										
Notes / Observations (color, odor, anomalies, etc):											

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

J. Estrada
Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03		Sampling Method: Dedicated		1.75" QED SamplePro		Bail		Peristaltic		Grab		Other	
Site: Island County CSWF		143.55 DTW		Meter: CONTROL SETTINGS:		1 ft water = 0.62L		1L = 0.26 gallons					
Well ID: NEIS		TOS		MP-20		Refill 10		One Well Volume (liters)		Other: _____			
Sample ID: 1024-09		Intake		YSI		Discharge 10				Flow Setting: _____			
Date: 10/24/23		BOS				Pressure 95		Total Volume Bailed (liters)					
Weather: Cloudy		Total Depth				Flow 100 ml/min							
Filtered? ☒ N		Locked? ☒ N		Water in Protector? ☒ N		Damage? ☒ Y							
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly					
		500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber					
		125 ml NaOH											

Notes / Observations (color, odor, anomalies, etc):

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: J. Estrada
Printed Name


Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03			Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other	
Site	Island County CSWF			Meter:	CONTROL SETTINGS:			1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	NE10			MP-20	Refill	10	One Well Volume	Other:			
Sample ID:	1024-10			YS	Discharge	10	(liters)	Flow			
Date:	10/24/23			BOS	Pressure	100	Total Volume Bailed	Setting:			
Weather:	Cloudy			Total Depth	Flow	100 ml/min	(liters)				
Filtered?	☒ Y	☐ N	Locked?	☒ Y	☐ N	Water in Protector?	☒ Y	☐ N	Damage?	☒ Y	☐ N
Sample Containers:	1000 ml Poly			500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2			500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH										
Notes / Observations (color, odor, anomalies, etc):											

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: J. Estrade
Printed Name


Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03

Site CSWF

Well ID: NSD

Sample ID: 1025-11

Date: 10/25/23

Weather: partly cloudy

Filtered? ☒ Y ☐ N

Locked? ☒ Y ☐ N

Water in Protector? Y ☒ N

Damage? Y ☒ N

Sample Containers:

1000 ml Poly

500 ml Poly

250 ml Poly

125 ml Poly

500 ml HNO₃ x2500 ml H₂SO₄ x2

40 ml VOA

x3	x6

1000 ml Amber

125 ml NaOH

Notes / Observations (color, odor, anomalies, etc):

5100 sample

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deszo
Printed Name

AD
Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03		Sampling Method: <u>Dedicated</u>		1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County CSWF			DTW	Meter: <u>CONTROL SETTINGS:</u>	1 ft water = 0.62L		1L = 0.26 gallons	
Well ID: <u>S11D</u>	TOS		MP-20	Refill	One Well Volume		Other:	
Sample ID: <u>1025-12</u>	Intake		<u>YSI</u>	Discharge	(liters)		Flow	
Date: <u>10/25/23</u>	BOS			Pressure	Total Volume Bailed		Setting:	
Weather: <u>Partly Cloudy</u>	Total Depth			Flow	(liters)			
Filtered? ☒ N	Locked? ☒ N	Water in Protector? ☒ N	Damage? ☒ N					
Sample Containers:		1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):		
		500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber			
		125 ml NaOH						

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: J. Estrade
Printed Name

Signature _____

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.03	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other	
Site: Island County CSWF	Meter: <u>MP-20</u>	CONTROL SETTINGS:		1 ft water = 0.62L		1L = 0.26 gallons	
Well ID: <u>5115</u>	YSI	Refill	<u>11</u>	One Well Volume (liters)		Other: _____	
Sample ID: <u>1025-13</u>		Discharge	<u>9</u>			Flow Setting: _____	
Date: <u>10/25/23</u>		Pressure	<u>75</u>	Total Volume Bailed (liters)			
Weather: <u>partly cloudy</u>		Flow	<u>300 ml/min</u>				
Filtered? ☒ N	Locked? ☒ N	Water in Protector? ☒ N	Damage? ☒ N				
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly			
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber			
	125 ml NaOH						

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1447								
1347		10.2	830	7.92	7.83	220.4	3.21	
1452								
1352		9.9	882	1.78	7.54	122.4	3.23	
1455								
1355		9.9	883	0.63	7.59	106.1	3.16	
1458								
1358		9.9	881	0.35	7.58	70.0	3.13	
1501								
1401		9.9	881	0.26	7.57	34.3	3.17	
1504								
1404		9.9	880	0.21	7.57	11.0	3.09	
1507								
		9.9	880	0.19	7.56	-5.1	3.14	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER:

J. Estrada

Printed Name

Jc
Signature

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: <u>0223020.03</u>		Sampling Method: <u>Dedicated</u>		1.75" QED SamplePro		Bail		Peristaltic		Grab		Other		
Site: <u>CSWF</u>		DTW		Meter: <u>CONTROL SETTINGS:</u>		1 ft water = 0.62L		1L = 0.26 gallons						
Well ID: <u>S105</u>		TOS		MP-20		Refill <u>9.5</u>		One Well Volume _____		Other: _____				
Sample ID: <u>1025-14</u>		Intake		<u>YSI</u>		Discharge <u>5.5</u>		(liters) _____		Flow Setting: _____				
Date: <u>10/25/23</u>		BOS				Pressure <u>80</u>		Total Volume Bailed _____						
Weather: <u>partly cloudy</u>		Total Depth				Flow _____		(liters) _____						
Filtered? <u>Y</u> N		Locked? <u>Y</u> N		Water in Protector? Y <u>N</u>		Damage? Y <u>N</u>		Notes / Observations (color, odor, anomalies, etc): _____ _____ _____						
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly							125 ml Poly	
500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber								
125 ml NaOH														

[illegible]

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deszo
Printed Name

Signature _____

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.03		Sampling Method:		Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab ☒	Other
Site: Island County CSWF		DTW	Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID: DNR		TOS	MP-20	Refill		One Well Volume		Other:	
Sample ID: 1026-15		Intake	YSI	Discharge		(liters)		Flow	
Date: 10/26/23		BOS		Pressure		Total Volume Bailed		Setting:	
Weather: partly cloudy		Total Depth		Flow		(liters)			
Filtered? ☒ N	Locked? ☒ N	Water in Protector? Y ☒ N	Damage? Y ☒ N						
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

[illegible]

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex D'Agro
Printed Name

AD
Signature _____

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County CSWF	Meter:	CONTROL SETTINGS:			1 ft water = 0.62L	1L = 0.26 gallons	
Well ID:	N1D	MP-20	Refill	8	One Well Volume	Other:		
Sample ID:	1024-16	YSI	Discharge	7	(liters)	Flow Setting:		
Date:	10/24/23	BOS	Pressure	85	Total Volume Bailed			
Weather:	Cloudy / Windy	Total Depth	Flow	300 ml/min	(liters)			
Filtered?	Y	Locked?	Y	Water in Protector?	Y	Damage?	Y	
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							
Notes / Observations (color, odor, anomalies, etc):								

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03	Sampling Method:		Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County CSWF		DTW	Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons	
Well ID:	N2D		TOS	MP-20	Refill	12	One Well Volume	Other:	
Sample ID:	1024-17		Intake	YSI	Discharge	8	(liters)	Flow	
Date:	10/24/23		BOS		Pressure	85	Total Volume Bailed	Setting:	
Weather:	cloudy/windy		Total Depth		Flow	300 in/min	(liters)		
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N		
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								
Notes / Observations (color, odor, anomalies, etc):									

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1052		13.4	1185	3.44	7.08	144.7	9.60	
1057		13.2	1173	1.35	6.93	135.4	6.88	
1100		13.2	1178	1.17	6.94	132.5	4.97	
1103		13.2	1180	1.05	6.93	131.2	3.76	
1106		13.2	1180	0.94	6.93	130.8	3.81	
1109		13.1	1180	0.95	6.92	130.6	3.62	
1112		13.1	1180	0.92	6.92	130.6	3.33	

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #:	04223020.03	Site	Island County CSWF	Well ID:	N25	Sample ID:	1024-18	Date:	10/24/23	Weather:	cloudy / misting	
DTW:	132.34	TOS	/	Intake	/	BOS	/	Total Depth	/	Sampling Method:	Dedicated	
Meter:	YSI	MP-20	YSI	Refill	10	Discharge	5	Pressure	90	Flow	200 ml/min	
Control Settings:	1 ft water = 0.62L	1L = 0.26 gallons	One Well Volume (liters)	Other:	Flow Setting:	Total Volume Bailed (liters)						
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N	Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber								
	125 ml NaOH											
Notes / Observations (color, odor, anomalies, etc):												

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223026103

Sampling Method :

Dedicated

1.75" QED SamplePro

Bail

Peristaltic

Grab

Other

Site Trinidad County (SWF)

Well ID: N3D

Sample ID: 1024-19

Date: 10/24/23

Weather: Cloudy / misting

Filtered? ☒ Y ☐ N

Locked? ☒ Y ☐ N

Water in Protector? Y ☒ N

Damage? Y ☒ N

Sample Containers:

1000 ml Poly

500 ml Poly

250 ml Poly

125 ml Poly

500 ml HNO3 x2

500 ml H₂SO₄ x2

40 ml VOA

1000 ml Amber

125 ml NaOH

TIME	DTW	Temp.	Sp. Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1245		15.1	662	8.15	7.32	173.8	3.80	
1250		13.7	655	6.53	6.60	196.8	3.35	
1253		13.3	651	5.43	6.73	199.5	3.42	
1256		13.0	669	2.99	7.08	194.3	3.13	
1259		12.7	678	1.84	7.38	185.3	3.65	
1302		12.7	673	1.58	7.48	171.6	4.20	
1305		12.6	674	1.59	7.50	137.3	4.00	
4								

Notes / Observations (color, odor, anomalies, etc):

Dup 1024-29 © 1320
α N30

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature _____

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 09223020.03

Site: Island County CSWF

Well ID: N35

Sample ID: 1024-20

Date: 10/24/23

Weather: cloudy

Filtered? ☒ N Locked? ☒ N Water in Protector? Y ☒ N Damage? Y ☒ N

Sample Containers: 1000 ml Poly 500 ml Poly 250 ml Poly 125 ml Poly
500 ml HNO3 x2 500 ml H2SO4 x2 40 ml VOA x3 x6 1000 ml Amber
125 ml NaOH

Sampling Method: Dedicated 1.75" QED SamplePro Bail Peristaltic Grab Other

Meter: MP-20 YSI

DTW 138.39 TOS Intake BOS Total Depth

CONTROL SETTINGS: Refill 10 Discharge 5 Pressure 90 Flow 3000 gpm

1 ft water = 0.62L 1L = 0.26 gallons

One Well Volume (liters) Other: Flow Setting: Total Volume Bailed (liters)

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1340		13.7	1000	7.01	7.28	159.4	4.89	
1345		12.7	1030	6.42	7.12	175.5	6.39	
1348		12.6	1020	6.57	7.11	181.8	4.53	
1351		12.6	1012	6.56	7.10	188.0	5.07	
1354		12.6	1007	6.60	7.10	194.4	3.65	
1357		12.6	1006	6.68	7.10	197.9	3.58	
1400		12.5	1004	6.75	7.11	202.8	4.94	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03

Sampling Method :

Dedicated

1.75" QED SamplePro

Bail

Peristaltic

Grab

Other

Site CSWF

Well ID: E2D

Sample ID: 1025-21

Date: 10/25/23

Weather: partly cloudy

Filtered? ☒ Y ☐ N

Locked? N

Water in Protector? Y ☒

Damage? Y ☒

Sample Containers:

1000 ml Poly

500 ml Poly

250 ml Poly

125 ml Poly

500 ml HNO3 x2

500 ml H₂SO₄ x2

40 ml VOA

1000 ml Amber

125 ml NaOH

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
922		13.1	1268	8.17	6.84	146.0	4.66	
927		12.7	1380	5.33	6.68	214.7	2.81	
930		12.8	1367	3.93	6.68	221.9	2.79	
933		12.7	1347	3.82	6.61	222.2	2.83	
936		12.7	1353	3.45	6.61	222.3	2.85	
939		12.8	1362	3.28	6.61	222.2	2.89	
942		12.8	1369	1.95	6.62	222.1	3.52	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature _____

**2405 140th ave NE #107
Bellevue, WA 98005**

Groundwater Sampling Data Sheet

Project #:	04223020.03		Sampling Method:	Dedicated		1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site:	CSWP		Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons			
Well ID:	E2S		MP-20	Refill	12	One Well Volume (liters)	Other:			
Sample ID:	1025-22		(YST)	Discharge	6	Total Volume Bailed (liters)	Flow Setting:			
Date:	10/25/23			Pressure	90					
Weather:	partly cloudy		Total Depth	Flow						
Filtered?	Y N		Locked?	Y N		Notes / Observations (color, odor, anomalies, etc):				
Sample Containers:	1000 ml Poly		Water in Protector?	Y N						
	500 ml HNO3 x2		500 ml Poly	250 ml Poly						
	125 ml NaOH		500 ml H2SO4 x2	40 ml VOA x3 x6						
			125 ml Poly	125 ml Amber						

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deszo
Printed Name

Signature _____

Bellevue, WA 98005

(425) 746-4600

Project #:	04223080.03			Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	Island County CSWF			Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID:	E1D			MP-20	Refill	8	One Well Volume	Other:		
Sample ID:	1024-23			YSI	Discharge	7	(liters)	Flow		
Date:	10/24/23				Pressure	95	Total Volume Bailed	Setting:		
Weather:	Cloudy				Flow	250 ml/min	(liters)			
Filtered?	Y	N		Water in Protector?	Y	N	Damage?	Y	N	
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									
Notes / Observations (color, odor, anomalies, etc):										
GW does not appear as turbid as (seem to)										

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Alta Perez
Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03		Sampling Method:		Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: Island County CSWF		136.73 DTW	Meter:	CONTROL SETTINGS:		1 ft water = 0.62L	1L = 0.26 gallons		
Well ID: E15		TOS	MP-20	Refill	12.5	One Well Volume	Other:		
Sample ID: 1024-24		Intake	YSI	Discharge	7.5	(liters)	Flow Setting:		
Date: 10/24/23		BOS	Pressure	80	Total Volume Bailed				
Weather: Cloudy		Total Depth	Flow	300 ml/min	(liters)				
Filtered? Y ☒	Locked? Y ☒	Water in Protector? Y ☒	Damage? Y ☒						
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly	Notes / Observations (color, odor, anomalies, etc):				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Signature

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03		Sampling Method: Dedicated		1.75" QED SamplePro		Bail		Peristaltic		Grab		Other	
Site: Island County CSWF		DTW		Meter: CONTROL SETTINGS:		1 ft water = 0.62L		1L = 0.26 gallons					
Well ID: WR1		TOS		MP-20		Refill		One Well Volume		Other:			
Sample ID: 1026-25		Intake		YSI		Discharge		(liters)		Flow			
Date: 10/26/23		BOS				Pressure		Total Volume Bailed		Setting:			
Weather: Partly Cloudy		Total Depth				Flow		(liters)					
Filtered? Y		Locked? Y		Water in Protector? Y		Damage? Y							
Sample Containers:		1000 ml Poly		500 ml Poly		250 ml Poly		125 ml Poly					
		500 ml HNO3 x2		500 ml H2SO4 x2		40 ml VOA x3 x6		1000 ml Amber					
		125 ml NaOH											
Notes / Observations (color, odor, anomalies, etc):													

[illegible]

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name _____

Signature _____

Bellevue, WA 98005

(425) 746-4600

Project #: 04223020.03

Site CSW F

Well ID: E9D

Sample ID: 1025-26

Date: 10/25/23

Weather: partly cloudy

Filtered? ☒ Y ☐ N

Locked? N

Water in Protector? Y **(N)**

Damage? Y N

Sample Containers:

1000 ml Poly

500 ml Poly

250 ml Poly

125 ml Poly

500 ml HNO3 x2

500 ml H₂SO₄ x2

40 ml VOA

1000 ml Amber

125 ml NaOH

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Hlex Desze
Printed Name


Signature

Bellevue, WA 98005

Groundwater Sampling Data Sheet

Notes / Observations (color, odor, anomalies, etc):


Signature

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/24/23					
Time	9:01					
Weather (sky or precip, temp)	Cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1464	4.04	7.02	7.92		
Post Cal Reading	1413	4.00	7.00	8.5		
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	CSWF Shed					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/24/23					
Time	0918					
Weather (sky or precip, temp)	cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1376	4.10	6.96	9.63		
Post Cal Reading	1413	4.00	7.00	8.50		
Discrepancy	No					
Calib. Successful?	yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	main Building					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/29/23					
Time	0916					
Weather (sky or precip, temp)	partly cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1429	4.05	7.09	10.37		
Post Cal Reading	1413	4.00	7.00	8.50		
Discrepancy	No					
Calib. Successful?	YES					
Calibration by	maint. office Jovany Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	↓					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/25/23					
Time	844					
Weather (sky or precip, temp)	partly cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1411	4.12	7.15	9.01	—	
Post Cal Reading	1413	4.00	7.00	8.4	—	
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	CSWE Ghes					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/26/23					
Time	0853					
Weather (sky or precip, temp)	partly cloudy					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	710	4.03	6.83	9.23		
Post Cal Reading	1713	4.00	7.00	8.50		
Discrepancy	No					
Calib. Successful?	yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	maintenance					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/26/23					
Time	852					
Weather (sky or precip, temp)	partly (100%)					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1515	4.02	6.99	8.77	/	
Post Cal Reading	1413	4.00	7.00	8.5	/	
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	AMT					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	CWF Sheds					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 10-23-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: N _Barometric Pressure: 29.81 Hg

Air Temperature: 55 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH₄ - 50.0% %CO₂ - 35.0% %O₂ - 20.9%

Time	CH ₄	CO ₂	O ₂
08:45	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH ₄	CO ₂	O ₂
13:45	50.0%	35.0%	20.9%

NOTES:

DAILY LOG

DAILY LOG

JOB NO.	04207033.11	TASK NO.	1,2,3	DATE	12-5-23	PROJECT NAME	Island County Landfill
TEMP	49	BARO	29.68	WIND	3 MPH E	WEATHER	Rain

[illegible]

PREPARED BY: Simon Garibaldo

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 12-5-23

Site Name: Island County Landfill

Technician: Simon Garibaldo

Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: S _Barometric Pressure: 29.68 Hg

Air Temperature: 48 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make three measurements by alternating zero air and the calibration gas. Record the readings and calculate the average algebraic difference between the instrument reading and the calibration gas as a percentage. The calibration precision must be less than or equal to 2% of the calibration gas value.

Instrument Serial No. G504835

Calibration Gas: %CH₄ - 50.0% %CO₂ - 35.0% %O₂ - 20.9%

Time	CH ₄	CO ₂	O ₂
07:30	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH ₄	CO ₂	O ₂
10:00	50.0%	35.0%	20.9%

NOTES:

Appendix B

2023 Analytical Data Validation
& Laboratory Reports



SECOND QTR. 2023 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04223020.00	Site Name	Island County Coupeville SWF
Data Validator	Jovany Estrada	Data Level	Level 2
Date	5/18/2023	DV Tier	Tier 1
QA Document	CSWF Groundwater Sampling, Analysis, and Quality Assurance Project Plan (Revised April 2018)		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
580-126667-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-126667-1	X	X	X	X	X	X

Notes:

X = Analysis performed on at least one sample in sample group.

- = Analysis not performed on any sample in sample group.

Laboratory Quality Assurance Samples

Lab QA Samples	Results	Comments
GC/MS VOA	Acceptable	See case narrative for additional details.
Metals	Acceptable	See case narrative for additional details.
General Chemistry	Acceptable	See case narrative for additional details.
VOA Prep	Acceptable	See case narrative for additional details.

Field Quality Assurance Samples

Field QA Samples	Sample Group	Analytes	Notes
Field Replicates	580-126667-1	N/A	See detailed results below.
Trip Blank	580-126667-1	N/A	See detailed results below.



Lab Quality Flags

Lab Qualifiers	Description	Lab Group
F1	MS and/or MSD Recovery is outside acceptance limits.	580-126667-1
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.	580-126667-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-126667-1
*1	LCS/LCSD RPD exceeds control limits.	580-126667-1
B	Compound was found in the blank and sample.	580-126667-1
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.	580-126667-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)
1,1-Dichloroethane	mg/L	400	420	4.88
Alkalinity	mg/L	400	420	4.88
Bicarbonate	mg/L	99	100	1.01
Calcium	mg/L	80	79	1.26
Chloride	mg/L	67	68	1.48
Magnesium	mg/L	0.018	0.018	0.00
Manganese	mg/L	7.2	6.6	8.70
Nitrate/Nitrite, Total	mg/L	7.8	7.9	1.27
Potassium	mg/L	39	39	0.00
Sodium	mg/L	71	71	0.00
Sulfate	mg/L	740	800	7.79
Total Dissolved Solids	mg/L	1.4	1.5	6.90
Total Organic Carbon	mg/L	0.65	0.56	14.88
Trichlorofluoromethane	mg/L	0.018	0.015	18.18
Vinyl chloride	mg/L	400	420	4.88

* RPD based on result as compared to the Reporting Limit (RL) for a non-detection in the compared sample

U = Result was not detected at or above a concentration greater than the RL. Value provided is the RL for the given sample.

N/A = Not applicable. Both results compared were non-detect.

Additional Data Flags

Flag	Description
U	Not detected above the method reporting limit.

Qualified Data and Usability

Lab qualifiers are noted. All data, as qualified, are acceptable for use.

ANALYTICAL REPORT

PREPARED FOR

Attn: Jovany Estrada
SCS Engineers
2405 140th Avenue NE
Suite 107
Bellevue, Washington 98005-1877

Generated 5/17/2023 2:36:23 PM Revision 1

JOB DESCRIPTION

Coupeville SW Facility GW Q2 2022

JOB NUMBER

580-126667-1

Eurofins Seattle

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Authorized for release by
Katie Grant, Project Manager I
Katie.Grant@et.eurofinsus.com
(253)922-2310

Generated
5/17/2023 2:36:23 PM
Revision 1

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Definitions	6
Client Sample Results	7
QC Sample Results	94
Chronicle	126
Certification Summary	141
Sample Summary	143
Chain of Custody	144
Receipt Checklists	157



Case Narrative

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Job ID: 580-126667-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative 580-126667-1

Revision

Corrected RL for 8260SIM Vinyl Chloride.

Comments

No additional comments.

Receipt

The samples were received on 5/1/2023 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 1.1° C, 1.5° C, 3.2° C, 3.3° C, 3.6° C, 4.0° C, 5.0° C and 5.1° C.

Receipt Exceptions

Since field filtration was not indicated on the dissolved metals containers the client was contacted and confirmed that all containers with 6010D on the labels were field filtered with the exception of the two samples that require lab filtration.

0425-01 (580-126667-1), 0427-02 (580-126667-2), 0425-03 (580-126667-3), 0425-04 (580-126667-4), 0428-05 (580-126667-5), 0426-06 (580-126667-6), 0425-07 (580-126667-7), 0425-08 (580-126667-8), 0427-09 (580-126667-9), 0427-10 (580-126667-10), 0427-11 (580-126667-11), 0427-12 (580-126667-12), 0427-13 (580-126667-13), 0427-14 (580-126667-14), 0427-15 (580-126667-15), 0425-16 (580-126667-16), 0425-17 (580-126667-17), 0425-18 (580-126667-18), 0425-19 (580-126667-19), 0425-20 (580-126667-20), 0426-21 (580-126667-21), 0426-22 (580-126667-22), 0427-23 (580-126667-23), 0427-24 (580-126667-24), 0427-25 (580-126667-25), 0427-26 (580-126667-26), 0427-27 (580-126667-27), 0425-28 (580-126667-28), 0425-29 (580-126667-29) and Trip Blanks (580-126667-30)

GC/MS VOA

Method 8260D: The CCV for analytical batch 580-425054 recovered outside control limits for the following analyte(s): Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-425036 recovered outside control limits for the following analytes: 1,4-Dichlorobenzene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010D: The method blank for preparation batch 580-424778 and 580-424925 and analytical batch 580-425137 contained Ca above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-424982 were outside control limits for one or more analytes. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 580-425135 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method SM 5220D: The matrix spike (MS) recovery for preparation batch 580-425251 and analytical batch 580-425256 was outside control limits for one or more analytes. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM 2540C: The sample duplicate (DUP) precision for TDS was outside control limits. Sample matrix interference is suspected.

Case Narrative

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Job ID: 580-126667-1 (Continued)

Laboratory: Eurofins Seattle (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

1

2

3

4

5

6

7

8

9

10

11

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-01

Lab Sample ID: 580-126667-1

Date Collected: 04/25/23 14:20

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 02:52	1
1,2-Dichloroethane-d4 (Surr)	91		68 - 120					05/04/23 02:52	1
4-Bromofluorobenzene (Surr)	100		80 - 125					05/04/23 02:52	1
Dibromofluoromethane (Surr)	100		80 - 120					05/04/23 02:52	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 21:22	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 21:22	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 21:22	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 21:22	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/03/23 21:22	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 21:22	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 21:22	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 21:22	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 21:22	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 21:22	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 21:22	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 21:22	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 21:22	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 21:22	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 21:22	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 21:22	1
Acetone	ND		10	3.1	ug/L			05/03/23 21:22	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 21:22	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 21:22	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 21:22	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 21:22	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 21:22	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 21:22	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 21:22	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 21:22	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 21:22	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 21:22	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 21:22	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 21:22	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 21:22	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 21:22	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 21:22	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 21:22	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 21:22	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 21:22	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 21:22	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 21:22	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 21:22	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 21:22	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 21:22	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-01

Lab Sample ID: 580-126667-1

Date Collected: 04/25/23 14:20

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 21:22	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 21:22	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 21:22	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 21:22	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 21:22	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/03/23 21:22	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		05/03/23 21:22	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/03/23 21:22	1
Dibromofluoromethane (Surr)	108		80 - 120		05/03/23 21:22	1
Toluene-d8 (Surr)	95		80 - 120		05/03/23 21:22	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	65		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 13:22	1
Iron	0.77		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 13:22	1
Magnesium	44		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 13:22	1
Manganese	0.18		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 13:22	1
Potassium	6.5		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 13:22	1
Sodium	25		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 13:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 13:39	1
Arsenic	0.0060		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 13:39	1
Barium	0.026		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 13:39	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 13:39	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 13:39	1
Chromium	0.00017	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 13:39	1
Cobalt	ND		0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 13:39	1
Copper	0.0018	J	0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 13:39	1
Iron	1.3		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 13:39	1
Lead	0.000096	J	0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 13:39	1
Nickel	ND		0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 13:39	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 13:39	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 13:39	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 13:39	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 13:39	1
Zinc	0.055		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 13:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 15:14	1
Chloride (EPA 300.0)	25		1.5	0.43	mg/L			05/02/23 15:14	1
Sulfate (EPA 300.0)	24		1.5	0.80	mg/L			05/02/23 15:14	1
Ammonia (EPA 350.1)	0.046	J	0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:18	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 09:26	1
Carbon, Total Organic (SM 5310D)	0.75		0.50	0.26	mg/L			05/12/23 20:16	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-01

Lab Sample ID: 580-126667-1

Date Collected: 04/25/23 14:20

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	320		7.0	7.0	mg/L			05/04/23 19:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	320		7.0	7.0	mg/L			05/04/23 19:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 19:09	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 19:09	1
Total Dissolved Solids (SM 2540C)	670		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	21		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-02

Lab Sample ID: 580-126667-2

Date Collected: 04/27/23 09:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 09:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		80 - 120					05/04/23 09:32	1
1,2-Dichloroethane-d4 (Surr)	89		68 - 120					05/04/23 09:32	1
4-Bromofluorobenzene (Surr)	99		80 - 125					05/04/23 09:32	1
Dibromofluoromethane (Surr)	98		80 - 120					05/04/23 09:32	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 02:47	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 02:47	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 02:47	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 02:47	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 02:47	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 02:47	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 02:47	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 02:47	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 02:47	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 02:47	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 02:47	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 02:47	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 02:47	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 02:47	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 02:47	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 02:47	1
Acetone	ND		10	3.1	ug/L			05/04/23 02:47	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 02:47	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 02:47	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 02:47	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 02:47	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 02:47	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 02:47	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 02:47	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 02:47	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 02:47	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 02:47	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 02:47	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 02:47	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 02:47	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 02:47	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 02:47	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 02:47	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 02:47	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 02:47	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 02:47	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 02:47	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 02:47	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 02:47	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 02:47	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-02

Lab Sample ID: 580-126667-2

Date Collected: 04/27/23 09:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 02:47	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 02:47	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 02:47	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 02:47	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 02:47	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 02:47	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 02:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		05/04/23 02:47	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/04/23 02:47	1
Dibromofluoromethane (Surr)	110		80 - 120		05/04/23 02:47	1
Toluene-d8 (Surr)	94		80 - 120		05/04/23 02:47	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	66		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 13:49	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 13:49	1
Magnesium	41		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 13:49	1
Manganese	0.29		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 13:49	1
Potassium	6.5		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 13:49	1
Sodium	25		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 13:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:09	1
Arsenic	0.0062		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:09	1
Barium	0.027		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:09	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:09	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:09	1
Chromium	0.0011		0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:09	1
Cobalt	0.000072	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:09	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:09	1
Iron	0.048	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:09	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:09	1
Nickel	0.00049	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:09	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:09	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:09	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:09	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:09	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 15:49	1
Chloride (EPA 300.0)	38		1.5	0.43	mg/L			05/02/23 15:49	1
Sulfate (EPA 300.0)	15		1.5	0.80	mg/L			05/02/23 15:49	1
Ammonia (EPA 350.1)	0.039	J	0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:20	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 09:28	1
Carbon, Total Organic (SM 5310D)	0.76		0.50	0.26	mg/L			05/12/23 21:38	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-02

Lab Sample ID: 580-126667-2

Date Collected: 04/27/23 09:10

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	330		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	330		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	340		10	10	mg/L			05/04/23 10:47	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-03

Lab Sample ID: 580-126667-3

Date Collected: 04/25/23 13:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 03:18	1
1,2-Dichloroethane-d4 (Surr)	90		68 - 120					05/04/23 03:18	1
4-Bromofluorobenzene (Surr)	100		80 - 125					05/04/23 03:18	1
Dibromofluoromethane (Surr)	100		80 - 120					05/04/23 03:18	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 21:44	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 21:44	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 21:44	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 21:44	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/03/23 21:44	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 21:44	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 21:44	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 21:44	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 21:44	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 21:44	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 21:44	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 21:44	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 21:44	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 21:44	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 21:44	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 21:44	1
Acetone	ND		10	3.1	ug/L			05/03/23 21:44	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 21:44	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 21:44	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 21:44	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 21:44	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 21:44	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 21:44	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 21:44	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 21:44	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 21:44	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 21:44	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 21:44	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 21:44	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 21:44	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 21:44	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 21:44	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 21:44	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 21:44	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 21:44	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 21:44	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 21:44	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 21:44	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 21:44	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 21:44	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-03

Lab Sample ID: 580-126667-3

Date Collected: 04/25/23 13:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 21:44	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 21:44	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 21:44	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 21:44	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 21:44	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/03/23 21:44	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 21:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		05/03/23 21:44	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/03/23 21:44	1
Dibromofluoromethane (Surr)	110		80 - 120		05/03/23 21:44	1
Toluene-d8 (Surr)	97		80 - 120		05/03/23 21:44	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	180		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 15:01	1
Iron	2.2		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 15:01	1
Magnesium	86		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 15:01	1
Manganese	0.32		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 15:01	1
Potassium	8.6		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 15:01	1
Sodium	36		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 15:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:11	1
Arsenic	0.0061		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:11	1
Barium	0.075		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:11	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:11	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:11	1
Chromium	0.00021	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:11	1
Cobalt	0.000044	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:11	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:11	1
Iron	1.9		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:11	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:11	1
Nickel	0.0018	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:11	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:11	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:11	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:11	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:11	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 16:01	1
Chloride (EPA 300.0)	30		1.5	0.43	mg/L			05/02/23 16:01	1
Sulfate (EPA 300.0)	37		1.5	0.80	mg/L			05/02/23 16:01	1
Ammonia (EPA 350.1)	0.033	J	0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:21	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 09:30	1
Carbon, Total Organic (SM 5310D)	1.3		0.50	0.26	mg/L			05/12/23 22:01	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-03

Lab Sample ID: 580-126667-3

Date Collected: 04/25/23 13:10

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	700		7.0	7.0	mg/L			05/04/23 19:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	700		7.0	7.0	mg/L			05/04/23 19:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 19:09	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 19:09	1
Total Dissolved Solids (SM 2540C)	920		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-04

Lab Sample ID: 580-126667-4

Date Collected: 04/25/23 16:36

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.018	J	0.020	0.0030	ug/L			05/04/23 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120					05/04/23 03:45	1
1,2-Dichloroethane-d4 (Surr)	89		68 - 120					05/04/23 03:45	1
4-Bromofluorobenzene (Surr)	103		80 - 125					05/04/23 03:45	1
Dibromofluoromethane (Surr)	91		80 - 120					05/04/23 03:45	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 22:06	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 22:06	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 22:06	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 22:06	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/03/23 22:06	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 22:06	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 22:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 22:06	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 22:06	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 22:06	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 22:06	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 22:06	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 22:06	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 22:06	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 22:06	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 22:06	1
Acetone	ND		10	3.1	ug/L			05/03/23 22:06	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 22:06	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 22:06	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 22:06	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 22:06	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 22:06	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 22:06	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 22:06	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 22:06	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 22:06	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 22:06	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 22:06	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 22:06	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 22:06	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 22:06	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 22:06	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 22:06	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 22:06	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 22:06	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 22:06	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 22:06	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 22:06	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 22:06	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 22:06	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-04

Lab Sample ID: 580-126667-4

Date Collected: 04/25/23 16:36

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 22:06	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 22:06	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 22:06	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 22:06	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 22:06	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/03/23 22:06	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		05/03/23 22:06	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/03/23 22:06	1
Dibromofluoromethane (Surr)	111		80 - 120		05/03/23 22:06	1
Toluene-d8 (Surr)	96		80 - 120		05/03/23 22:06	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	66		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 13:57	1
Iron	1.6		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 13:57	1
Magnesium	34		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 13:57	1
Manganese	0.59		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 13:57	1
Potassium	5.9		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 13:57	1
Sodium	34		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 13:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:14	1
Arsenic	0.0017		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:14	1
Barium	0.075		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:14	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:14	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:14	1
Chromium	0.00022	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:14	1
Cobalt	ND		0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:14	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:14	1
Iron	1.9		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:14	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:14	1
Nickel	0.00018	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:14	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:14	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:14	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:14	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:14	1
Zinc	0.0015	J	0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 16:12	1
Chloride (EPA 300.0)	21		1.5	0.43	mg/L			05/02/23 16:12	1
Sulfate (EPA 300.0)	31		1.5	0.80	mg/L			05/02/23 16:12	1
Ammonia (EPA 350.1)	0.051	J	0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:23	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 11:42	1
Carbon, Total Organic (SM 5310D)	1.3		0.50	0.26	mg/L			05/12/23 22:27	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-04

Lab Sample ID: 580-126667-4

Date Collected: 04/25/23 16:36

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	300		7.0	7.0	mg/L			05/04/23 19:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	300		7.0	7.0	mg/L			05/04/23 19:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 19:09	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 19:09	1
Total Dissolved Solids (SM 2540C)	520		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0428-05

Lab Sample ID: 580-126667-5

Date Collected: 04/28/23 09:51

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120					05/04/23 18:50	1
1,2-Dichloroethane-d4 (Surr)	91		68 - 120					05/04/23 18:50	1
4-Bromofluorobenzene (Surr)	99		80 - 125					05/04/23 18:50	1
Dibromofluoromethane (Surr)	93		80 - 120					05/04/23 18:50	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/05/23 06:19	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/05/23 06:19	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/05/23 06:19	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/05/23 06:19	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/05/23 06:19	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/05/23 06:19	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/05/23 06:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/05/23 06:19	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/05/23 06:19	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/05/23 06:19	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/05/23 06:19	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/05/23 06:19	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/05/23 06:19	1
2-Butanone	ND		10	2.5	ug/L			05/05/23 06:19	1
2-Hexanone	ND		3.0	0.94	ug/L			05/05/23 06:19	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/05/23 06:19	1
Acetone	3.1	J	10	3.1	ug/L			05/05/23 06:19	1
Acrylonitrile	ND		10	2.0	ug/L			05/05/23 06:19	1
Benzene	ND		0.20	0.030	ug/L			05/05/23 06:19	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/05/23 06:19	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/05/23 06:19	1
Bromoform	ND		0.50	0.16	ug/L			05/05/23 06:19	1
Bromomethane	ND		0.50	0.13	ug/L			05/05/23 06:19	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/05/23 06:19	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/05/23 06:19	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/05/23 06:19	1
Chloroethane	ND		0.50	0.096	ug/L			05/05/23 06:19	1
Chloroform	ND		0.20	0.030	ug/L			05/05/23 06:19	1
Chloromethane	ND		0.50	0.14	ug/L			05/05/23 06:19	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/05/23 06:19	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/05/23 06:19	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/05/23 06:19	1
Dibromomethane	ND		0.20	0.062	ug/L			05/05/23 06:19	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/05/23 06:19	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/05/23 06:19	1
Methyl iodide	ND		0.50	0.070	ug/L			05/05/23 06:19	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/05/23 06:19	1
o-Xylene	ND		0.50	0.15	ug/L			05/05/23 06:19	1
Styrene	ND		1.0	0.19	ug/L			05/05/23 06:19	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/05/23 06:19	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0428-05

Lab Sample ID: 580-126667-5

Date Collected: 04/28/23 09:51

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.061	J	0.20	0.050	ug/L			05/05/23 06:19	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/05/23 06:19	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/05/23 06:19	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/05/23 06:19	1
Trichloroethene	ND		0.20	0.066	ug/L			05/05/23 06:19	1
Trichlorofluoromethane	2.8		0.50	0.12	ug/L			05/05/23 06:19	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/05/23 06:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 120		05/05/23 06:19	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/05/23 06:19	1
Dibromofluoromethane (Surr)	113		80 - 120		05/05/23 06:19	1
Toluene-d8 (Surr)	94		80 - 120		05/05/23 06:19	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	21		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:00	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:00	1
Magnesium	2.9		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:00	1
Manganese	0.0026	J	0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:00	1
Potassium	3.1	J	3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:00	1
Sodium	25		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00055	J	0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:17	1
Arsenic	0.00058	J	0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:17	1
Barium	0.038		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:17	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:17	1
Cadmium	0.000079	J	0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:17	1
Chromium	0.00073	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:17	1
Cobalt	0.00014	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:17	1
Copper	0.0072		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:17	1
Iron	0.33		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:17	1
Lead	0.00064		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:17	1
Nickel	0.0013	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:17	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:17	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:17	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:17	1
Vanadium	0.00054	J	0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:17	1
Zinc	0.073		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 16:24	1
Chloride (EPA 300.0)	45		1.5	0.43	mg/L			05/02/23 16:24	1
Sulfate (EPA 300.0)	8.5		1.5	0.80	mg/L			05/02/23 16:24	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:24	1
Nitrate Nitrite as N (EPA 353.2)	0.78		0.10	0.040	mg/L			05/12/23 11:44	1
Carbon, Total Organic (SM 5310D)	1.7		0.50	0.26	mg/L			05/12/23 22:53	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0428-05

Lab Sample ID: 580-126667-5

Date Collected: 04/28/23 09:51

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	58		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	58		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	52		10	10	mg/L			05/04/23 10:47	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-06

Lab Sample ID: 580-126667-6

Date Collected: 04/26/23 15:25

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 08:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120					05/04/23 08:09	1
1,2-Dichloroethane-d4 (Surr)	91		68 - 120					05/04/23 08:09	1
4-Bromofluorobenzene (Surr)	100		80 - 125					05/04/23 08:09	1
Dibromofluoromethane (Surr)	95		80 - 120					05/04/23 08:09	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 01:42	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 01:42	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 01:42	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 01:42	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 01:42	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 01:42	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 01:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 01:42	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 01:42	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 01:42	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 01:42	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 01:42	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 01:42	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 01:42	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 01:42	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 01:42	1
Acetone	ND		10	3.1	ug/L			05/04/23 01:42	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 01:42	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 01:42	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 01:42	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 01:42	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 01:42	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 01:42	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 01:42	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 01:42	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 01:42	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 01:42	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 01:42	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 01:42	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 01:42	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 01:42	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 01:42	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 01:42	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 01:42	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 01:42	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 01:42	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 01:42	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 01:42	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 01:42	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 01:42	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-06

Lab Sample ID: 580-126667-6

Date Collected: 04/26/23 15:25

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 01:42	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 01:42	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 01:42	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 01:42	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 01:42	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 01:42	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		05/04/23 01:42	1
4-Bromofluorobenzene (Surr)	87		80 - 120		05/04/23 01:42	1
Dibromofluoromethane (Surr)	111		80 - 120		05/04/23 01:42	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 01:42	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	52		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:04	1
Iron	1.3		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:04	1
Magnesium	28		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:04	1
Manganese	0.31		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:04	1
Potassium	5.0		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:04	1
Sodium	23		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:19	1
Arsenic	0.0050		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:19	1
Barium	0.058		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:19	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:19	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:19	1
Chromium	0.00019	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:19	1
Cobalt	0.00015	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:19	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:19	1
Iron	1.4		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:19	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:19	1
Nickel	0.00019	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:19	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:19	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:19	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:19	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:19	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 16:36	1
Chloride (EPA 300.0)	14		1.5	0.43	mg/L			05/02/23 16:36	1
Sulfate (EPA 300.0)	24		1.5	0.80	mg/L			05/02/23 16:36	1
Ammonia (EPA 350.1)	0.094		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:26	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 11:50	1
Carbon, Total Organic (SM 5310D)	0.60		0.50	0.26	mg/L			05/12/23 23:19	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-06

Lab Sample ID: 580-126667-6

Date Collected: 04/26/23 15:25

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	260		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	260		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	670		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-07

Lab Sample ID: 580-126667-7

Date Collected: 04/25/23 11:50

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 04:11	1
1,2-Dichloroethane-d4 (Surr)	88		68 - 120					05/04/23 04:11	1
4-Bromofluorobenzene (Surr)	99		80 - 125					05/04/23 04:11	1
Dibromofluoromethane (Surr)	100		80 - 120					05/04/23 04:11	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 22:27	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 22:27	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 22:27	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 22:27	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/03/23 22:27	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 22:27	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 22:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 22:27	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 22:27	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 22:27	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 22:27	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 22:27	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 22:27	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 22:27	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 22:27	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 22:27	1
Acetone	ND		10	3.1	ug/L			05/03/23 22:27	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 22:27	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 22:27	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 22:27	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 22:27	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 22:27	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 22:27	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 22:27	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 22:27	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 22:27	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 22:27	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 22:27	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 22:27	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 22:27	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 22:27	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 22:27	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 22:27	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 22:27	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 22:27	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 22:27	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 22:27	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 22:27	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 22:27	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 22:27	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-07

Lab Sample ID: 580-126667-7

Date Collected: 04/25/23 11:50

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 22:27	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 22:27	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 22:27	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 22:27	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 22:27	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/03/23 22:27	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		05/03/23 22:27	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/03/23 22:27	1
Dibromofluoromethane (Surr)	107		80 - 120		05/03/23 22:27	1
Toluene-d8 (Surr)	95		80 - 120		05/03/23 22:27	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:07	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:07	1
Magnesium	56		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:07	1
Manganese	ND		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:07	1
Potassium	6.3		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:07	1
Sodium	30		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00018	J	0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:22	1
Arsenic	0.0023		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:22	1
Barium	0.045		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:22	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:22	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:22	1
Chromium	0.0055		0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:22	1
Cobalt	ND		0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:22	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:22	1
Iron	0.068	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:22	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:22	1
Nickel	0.0013	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:22	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:22	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:22	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:22	1
Vanadium	0.0058		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:22	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 16:47	1
Chloride (EPA 300.0)	35		1.5	0.43	mg/L			05/02/23 16:47	1
Sulfate (EPA 300.0)	42		1.5	0.80	mg/L			05/02/23 16:47	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:27	1
Nitrate Nitrite as N (EPA 353.2)	13		1.0	0.40	mg/L			05/12/23 14:14	10
Carbon, Total Organic (SM 5310D)	0.70		0.50	0.26	mg/L			05/12/23 23:45	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-07

Lab Sample ID: 580-126667-7

Date Collected: 04/25/23 11:50

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	520		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	520		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	720		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-08

Lab Sample ID: 580-126667-8

Date Collected: 04/25/23 11:00

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 04:38	1
1,2-Dichloroethane-d4 (Surr)	92		68 - 120					05/04/23 04:38	1
4-Bromofluorobenzene (Surr)	101		80 - 125					05/04/23 04:38	1
Dibromofluoromethane (Surr)	100		80 - 120					05/04/23 04:38	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 22:49	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 22:49	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 22:49	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 22:49	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/03/23 22:49	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 22:49	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 22:49	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 22:49	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 22:49	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 22:49	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 22:49	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 22:49	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 22:49	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 22:49	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 22:49	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 22:49	1
Acetone	ND		10	3.1	ug/L			05/03/23 22:49	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 22:49	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 22:49	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 22:49	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 22:49	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 22:49	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 22:49	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 22:49	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 22:49	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 22:49	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 22:49	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 22:49	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 22:49	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 22:49	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 22:49	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 22:49	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 22:49	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 22:49	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 22:49	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 22:49	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 22:49	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 22:49	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 22:49	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 22:49	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-08

Lab Sample ID: 580-126667-8

Date Collected: 04/25/23 11:00

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 22:49	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 22:49	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 22:49	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 22:49	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 22:49	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/03/23 22:49	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 120		05/03/23 22:49	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/03/23 22:49	1
Dibromofluoromethane (Surr)	112		80 - 120		05/03/23 22:49	1
Toluene-d8 (Surr)	94		80 - 120		05/03/23 22:49	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	46		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:11	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:11	1
Magnesium	31		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:11	1
Manganese	0.086		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:11	1
Potassium	11		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:11	1
Sodium	24		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:25	1
Arsenic	0.016		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:25	1
Barium	0.037		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:25	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:25	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:25	1
Chromium	0.00052	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:25	1
Cobalt	0.00014	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:25	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:25	1
Iron	0.32		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:25	1
Lead	0.00014	J	0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:25	1
Nickel	0.00067	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:25	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:25	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:25	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:25	1
Vanadium	0.00064	J	0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:25	1
Zinc	0.0023	J	0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 16:59	1
Chloride (EPA 300.0)	34		1.5	0.43	mg/L			05/02/23 16:59	1
Sulfate (EPA 300.0)	25		1.5	0.80	mg/L			05/02/23 16:59	1
Ammonia (EPA 350.1)	0.083		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:29	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 11:54	1
Carbon, Total Organic (SM 5310D)	1.9		0.50	0.26	mg/L			05/13/23 00:11	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-08

Lab Sample ID: 580-126667-8

Date Collected: 04/25/23 11:00

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	220		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	220		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	290		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-09

Lab Sample ID: 580-126667-9

Date Collected: 04/27/23 14:06

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 09:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					05/04/23 09:58	1
1,2-Dichloroethane-d4 (Surr)	91		68 - 120					05/04/23 09:58	1
4-Bromofluorobenzene (Surr)	98		80 - 125					05/04/23 09:58	1
Dibromofluoromethane (Surr)	96		80 - 120					05/04/23 09:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 03:09	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 03:09	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 03:09	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 03:09	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 03:09	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 03:09	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 03:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 03:09	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 03:09	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 03:09	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 03:09	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 03:09	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 03:09	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 03:09	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 03:09	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 03:09	1
Acetone	ND		10	3.1	ug/L			05/04/23 03:09	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 03:09	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 03:09	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 03:09	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 03:09	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 03:09	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 03:09	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 03:09	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 03:09	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 03:09	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 03:09	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 03:09	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 03:09	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 03:09	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 03:09	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 03:09	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 03:09	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 03:09	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 03:09	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 03:09	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 03:09	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 03:09	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 03:09	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 03:09	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-09

Lab Sample ID: 580-126667-9

Date Collected: 04/27/23 14:06

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 03:09	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 03:09	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 03:09	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 03:09	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 03:09	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 03:09	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 120		05/04/23 03:09	1
4-Bromofluorobenzene (Surr)	89		80 - 120		05/04/23 03:09	1
Dibromofluoromethane (Surr)	112		80 - 120		05/04/23 03:09	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 03:09	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:14	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:14	1
Magnesium	38		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:14	1
Manganese	ND		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:14	1
Potassium	5.8		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:14	1
Sodium	19		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00016	J	0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:27	1
Arsenic	0.0022		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:27	1
Barium	0.031		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:27	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:27	1
Cadmium	0.000059	J	0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:27	1
Chromium	0.0045		0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:27	1
Cobalt	0.00019	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:27	1
Copper	0.0023		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:27	1
Iron	0.050	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:27	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:27	1
Nickel	0.0044		0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:27	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:27	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:27	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:27	1
Vanadium	0.0048		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:27	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 17:34	1
Chloride (EPA 300.0)	28		1.5	0.43	mg/L			05/02/23 17:34	1
Sulfate (EPA 300.0)	92		1.5	0.80	mg/L			05/02/23 17:34	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:30	1
Nitrate Nitrite as N (EPA 353.2)	16		1.0	0.40	mg/L			05/12/23 09:32	10
Carbon, Total Organic (SM 5310D)	0.86		0.50	0.26	mg/L			05/13/23 00:37	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-09

Lab Sample ID: 580-126667-9

Date Collected: 04/27/23 14:06

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	320		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	320		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	620		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-10

Lab Sample ID: 580-126667-10

Date Collected: 04/27/23 13:03

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 10:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					05/04/23 10:24	1
1,2-Dichloroethane-d4 (Surr)	93		68 - 120					05/04/23 10:24	1
4-Bromofluorobenzene (Surr)	98		80 - 125					05/04/23 10:24	1
Dibromofluoromethane (Surr)	96		80 - 120					05/04/23 10:24	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 03:31	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 03:31	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 03:31	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 03:31	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 03:31	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 03:31	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 03:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 03:31	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 03:31	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 03:31	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 03:31	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 03:31	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 03:31	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 03:31	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 03:31	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 03:31	1
Acetone	ND		10	3.1	ug/L			05/04/23 03:31	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 03:31	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 03:31	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 03:31	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 03:31	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 03:31	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 03:31	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 03:31	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 03:31	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 03:31	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 03:31	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 03:31	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 03:31	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 03:31	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 03:31	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 03:31	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 03:31	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 03:31	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 03:31	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 03:31	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 03:31	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 03:31	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 03:31	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 03:31	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-10

Lab Sample ID: 580-126667-10

Date Collected: 04/27/23 13:03

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 03:31	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 03:31	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 03:31	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 03:31	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 03:31	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 03:31	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		05/04/23 03:31	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/04/23 03:31	1
Dibromofluoromethane (Surr)	110		80 - 120		05/04/23 03:31	1
Toluene-d8 (Surr)	96		80 - 120		05/04/23 03:31	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	57		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:18	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:18	1
Magnesium	34		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:18	1
Manganese	0.0081	J	0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:18	1
Potassium	5.7		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:18	1
Sodium	25		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:18	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00021	J	0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:30	1
Arsenic	0.0076		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:30	1
Barium	0.016		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:30	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:30	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:30	1
Chromium	0.00048	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:30	1
Cobalt	0.00015	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:30	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:30	1
Iron	0.061	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:30	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:30	1
Nickel	0.0017	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:30	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:30	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:30	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:30	1
Vanadium	0.0014	J	0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:30	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 17:46	1
Chloride (EPA 300.0)	39		1.5	0.43	mg/L			05/02/23 17:46	1
Sulfate (EPA 300.0)	38		1.5	0.80	mg/L			05/02/23 17:46	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:32	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 09:38	1
Carbon, Total Organic (SM 5310D)	0.52		0.50	0.26	mg/L			05/13/23 01:14	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-10

Lab Sample ID: 580-126667-10

Date Collected: 04/27/23 13:03

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	250		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	590		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-11

Lab Sample ID: 580-126667-11

Date Collected: 04/27/23 11:39

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 10:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120					05/04/23 10:50	1
1,2-Dichloroethane-d4 (Surr)	91		68 - 120					05/04/23 10:50	1
4-Bromofluorobenzene (Surr)	99		80 - 125					05/04/23 10:50	1
Dibromofluoromethane (Surr)	95		80 - 120					05/04/23 10:50	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 21:17	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 21:17	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 21:17	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 21:17	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 21:17	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 21:17	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 21:17	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 21:17	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 21:17	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 21:17	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 21:17	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 21:17	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 21:17	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 21:17	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 21:17	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 21:17	1
Acetone	ND		10	3.1	ug/L			05/04/23 21:17	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 21:17	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 21:17	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 21:17	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 21:17	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 21:17	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 21:17	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 21:17	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 21:17	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 21:17	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 21:17	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 21:17	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 21:17	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 21:17	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 21:17	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 21:17	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 21:17	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 21:17	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 21:17	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 21:17	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 21:17	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 21:17	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 21:17	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 21:17	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-11

Lab Sample ID: 580-126667-11

Date Collected: 04/27/23 11:39

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 21:17	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 21:17	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 21:17	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 21:17	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 21:17	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 21:17	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		05/04/23 21:17	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/04/23 21:17	1
Dibromofluoromethane (Surr)	109		80 - 120		05/04/23 21:17	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 21:17	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:29	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:29	1
Magnesium	88		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:29	1
Manganese	0.15		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:29	1
Potassium	9.8		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:29	1
Sodium	45		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:33	1
Arsenic	0.0030		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:33	1
Barium	0.072		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:33	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:33	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:33	1
Chromium	0.00018	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:33	1
Cobalt	0.00019	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:33	1
Copper	0.00078	J	0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:33	1
Iron	0.047	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:33	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:33	1
Nickel	0.0071		0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:33	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:33	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:33	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:33	1
Vanadium	0.0017	J	0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:33	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 21:18	1
Chloride (EPA 300.0)	95		1.5	0.43	mg/L			05/02/23 21:18	1
Sulfate (EPA 300.0)	83		1.5	0.80	mg/L			05/02/23 21:18	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:41	1
Nitrate Nitrite as N (EPA 353.2)	0.056	J	0.10	0.040	mg/L			05/12/23 09:40	1
Carbon, Total Organic (SM 5310D)	1.9		0.50	0.26	mg/L			05/11/23 12:57	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-11

Lab Sample ID: 580-126667-11

Date Collected: 04/27/23 11:39

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	560		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	560		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	830		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-12

Lab Sample ID: 580-126667-12

Date Collected: 04/27/23 13:16

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 11:16	1
1,2-Dichloroethane-d4 (Surr)	88		68 - 120					05/04/23 11:16	1
4-Bromofluorobenzene (Surr)	98		80 - 125					05/04/23 11:16	1
Dibromofluoromethane (Surr)	96		80 - 120					05/04/23 11:16	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 20:55	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 20:55	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 20:55	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 20:55	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 20:55	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 20:55	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 20:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 20:55	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 20:55	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 20:55	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 20:55	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 20:55	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 20:55	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 20:55	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 20:55	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 20:55	1
Acetone	ND		10	3.1	ug/L			05/04/23 20:55	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 20:55	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 20:55	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 20:55	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 20:55	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 20:55	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 20:55	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 20:55	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 20:55	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 20:55	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 20:55	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 20:55	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 20:55	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 20:55	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 20:55	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 20:55	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 20:55	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 20:55	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 20:55	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 20:55	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 20:55	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 20:55	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 20:55	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 20:55	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-12

Lab Sample ID: 580-126667-12

Date Collected: 04/27/23 13:16

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 20:55	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 20:55	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 20:55	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 20:55	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 20:55	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 20:55	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		05/04/23 20:55	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/04/23 20:55	1
Dibromofluoromethane (Surr)	115		80 - 120		05/04/23 20:55	1
Toluene-d8 (Surr)	93		80 - 120		05/04/23 20:55	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	73		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:33	1
Iron	0.17	J	0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:33	1
Magnesium	53		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:33	1
Manganese	0.17		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:33	1
Potassium	7.5		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:33	1
Sodium	35		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:49	1
Arsenic	0.0077		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:49	1
Barium	0.040		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:49	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:49	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:49	1
Chromium	0.00037	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:49	1
Cobalt	0.000082	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:49	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:49	1
Iron	0.41		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:49	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:49	1
Nickel	0.00079	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:49	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:49	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:49	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:49	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:49	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 21:41	1
Chloride (EPA 300.0)	77	F1	1.5	0.43	mg/L			05/02/23 21:41	1
Sulfate (EPA 300.0)	32		1.5	0.80	mg/L			05/02/23 21:41	1
Ammonia (EPA 350.1)	0.095		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:42	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 11:56	1
Carbon, Total Organic (SM 5310D)	1.7		0.50	0.26	mg/L			05/11/23 13:23	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-12

Date Collected: 04/27/23 13:16

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-12

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	380		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	830		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-13

Lab Sample ID: 580-126667-13

Date Collected: 04/27/23 14:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 120					05/04/23 19:16	1
1,2-Dichloroethane-d4 (Surr)	89		68 - 120					05/04/23 19:16	1
4-Bromofluorobenzene (Surr)	97		80 - 125					05/04/23 19:16	1
Dibromofluoromethane (Surr)	94		80 - 120					05/04/23 19:16	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 18:24	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 18:24	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 18:24	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 18:24	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 18:24	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 18:24	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 18:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 18:24	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 18:24	1
1,2-Dichlorobenzene	0.042	J	0.30	0.038	ug/L			05/04/23 18:24	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 18:24	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 18:24	1
1,4-Dichlorobenzene	ND	*1	0.30	0.050	ug/L			05/04/23 18:24	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 18:24	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 18:24	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 18:24	1
Acetone	ND		10	3.1	ug/L			05/04/23 18:24	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 18:24	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 18:24	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 18:24	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 18:24	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 18:24	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 18:24	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 18:24	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 18:24	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 18:24	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 18:24	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 18:24	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 18:24	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 18:24	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 18:24	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 18:24	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 18:24	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 18:24	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 18:24	1
Methyl iodide	0.085	J B	0.50	0.070	ug/L			05/04/23 18:24	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 18:24	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 18:24	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 18:24	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 18:24	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-13

Lab Sample ID: 580-126667-13

Date Collected: 04/27/23 14:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 18:24	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 18:24	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 18:24	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 18:24	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 18:24	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 18:24	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 120		05/04/23 18:24	1
4-Bromofluorobenzene (Surr)	92		80 - 120		05/04/23 18:24	1
Dibromofluoromethane (Surr)	113		80 - 120		05/04/23 18:24	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 18:24	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	76		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:36	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:36	1
Magnesium	50		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:36	1
Manganese	0.20		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:36	1
Potassium	6.4		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:36	1
Sodium	34		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:52	1
Arsenic	0.0058		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:52	1
Barium	0.030		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:52	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:52	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:52	1
Chromium	ND		0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:52	1
Cobalt	0.00014	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:52	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:52	1
Iron	0.13		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:52	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:52	1
Nickel	0.0010	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:52	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:52	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:52	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:52	1
Vanadium	0.00064	J	0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:52	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 22:16	1
Chloride (EPA 300.0)	66		1.5	0.43	mg/L			05/02/23 22:16	1
Sulfate (EPA 300.0)	29		1.5	0.80	mg/L			05/02/23 22:16	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:44	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 09:42	1
Carbon, Total Organic (SM 5310D)	1.7		0.50	0.26	mg/L			05/11/23 13:49	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-13

Lab Sample ID: 580-126667-13

Date Collected: 04/27/23 14:10

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	380		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	550		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND	F1	10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-14

Lab Sample ID: 580-126667-14

Date Collected: 04/27/23 10:23

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120					05/04/23 19:42	1
1,2-Dichloroethane-d4 (Surr)	90		68 - 120					05/04/23 19:42	1
4-Bromofluorobenzene (Surr)	99		80 - 125					05/04/23 19:42	1
Dibromofluoromethane (Surr)	93		80 - 120					05/04/23 19:42	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 18:45	1
1,1,1-Trichloroethane	0.41		0.20	0.025	ug/L			05/04/23 18:45	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 18:45	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 18:45	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 18:45	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 18:45	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 18:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 18:45	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 18:45	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 18:45	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 18:45	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 18:45	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 18:45	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 18:45	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 18:45	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 18:45	1
Acetone	ND		10	3.1	ug/L			05/04/23 18:45	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 18:45	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 18:45	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 18:45	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 18:45	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 18:45	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 18:45	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 18:45	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 18:45	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 18:45	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 18:45	1
Chloroform	0.10 J		0.20	0.030	ug/L			05/04/23 18:45	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 18:45	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 18:45	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 18:45	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 18:45	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 18:45	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 18:45	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 18:45	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 18:45	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 18:45	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 18:45	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 18:45	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 18:45	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-14

Lab Sample ID: 580-126667-14

Date Collected: 04/27/23 10:23

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 18:45	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 18:45	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 18:45	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 18:45	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 18:45	1
Trichlorofluoromethane	3.8		0.50	0.12	ug/L			05/04/23 18:45	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		05/04/23 18:45	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/04/23 18:45	1
Dibromofluoromethane (Surr)	109		80 - 120		05/04/23 18:45	1
Toluene-d8 (Surr)	93		80 - 120		05/04/23 18:45	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:40	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:40	1
Magnesium	67		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:40	1
Manganese	ND		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:40	1
Potassium	6.1		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:40	1
Sodium	27		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00017	J	0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:54	1
Arsenic	0.0022		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:54	1
Barium	0.027		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:54	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:54	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:54	1
Chromium	0.012		0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:54	1
Cobalt	0.00012	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:54	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:54	1
Iron	0.082	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:54	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:54	1
Nickel	0.0040		0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:54	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:54	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:54	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:54	1
Vanadium	0.0043		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:54	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 22:28	1
Chloride (EPA 300.0)	64		1.5	0.43	mg/L			05/02/23 22:28	1
Sulfate (EPA 300.0)	73		1.5	0.80	mg/L			05/02/23 22:28	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:45	1
Nitrate Nitrite as N (EPA 353.2)	35		2.0	0.80	mg/L			05/12/23 11:58	20
Carbon, Total Organic (SM 5310D)	1.2		0.50	0.26	mg/L			05/11/23 14:15	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-14

Lab Sample ID: 580-126667-14

Date Collected: 04/27/23 10:23

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	410		7.0	7.0	mg/L			05/05/23 20:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	410		7.0	7.0	mg/L			05/05/23 20:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/05/23 20:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/05/23 20:53	1
Total Dissolved Solids (SM 2540C)	770		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-15

Lab Sample ID: 580-126667-15

Date Collected: 04/27/23 12:54

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 20:09	1
1,2-Dichloroethane-d4 (Surr)	90		68 - 120					05/04/23 20:09	1
4-Bromofluorobenzene (Surr)	96		80 - 125					05/04/23 20:09	1
Dibromofluoromethane (Surr)	95		80 - 120					05/04/23 20:09	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 19:07	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 19:07	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 19:07	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 19:07	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 19:07	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 19:07	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 19:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 19:07	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 19:07	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 19:07	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 19:07	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 19:07	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 19:07	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 19:07	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 19:07	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 19:07	1
Acetone	ND		10	3.1	ug/L			05/04/23 19:07	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 19:07	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 19:07	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 19:07	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 19:07	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 19:07	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 19:07	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 19:07	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 19:07	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 19:07	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 19:07	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 19:07	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 19:07	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 19:07	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 19:07	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 19:07	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 19:07	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 19:07	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 19:07	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 19:07	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 19:07	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 19:07	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 19:07	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 19:07	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-15

Lab Sample ID: 580-126667-15

Date Collected: 04/27/23 12:54

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 19:07	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 19:07	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 19:07	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 19:07	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 19:07	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 19:07	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 120		05/04/23 19:07	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/04/23 19:07	1
Dibromofluoromethane (Surr)	111		80 - 120		05/04/23 19:07	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 19:07	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	83	B	0.50	0.077	mg/L		05/03/23 17:01	05/04/23 15:50	1
Iron	ND		0.30	0.061	mg/L		05/03/23 17:01	05/04/23 15:50	1
Magnesium	46		0.50	0.047	mg/L		05/03/23 17:01	05/04/23 15:50	1
Manganese	ND		0.020	0.0017	mg/L		05/03/23 17:01	05/04/23 15:50	1
Potassium	5.6		3.3	0.17	mg/L		05/03/23 17:01	05/04/23 15:50	1
Sodium	29		0.50	0.33	mg/L		05/03/23 17:01	05/04/23 15:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00019	J	0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 14:57	1
Arsenic	0.0037		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 14:57	1
Barium	0.019		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 14:57	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 14:57	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 14:57	1
Chromium	0.0039		0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 14:57	1
Cobalt	ND		0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 14:57	1
Copper	0.0060		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 14:57	1
Iron	0.30		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 14:57	1
Lead	0.00015	J	0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 14:57	1
Nickel	0.0014	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 14:57	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 14:57	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 14:57	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 14:57	1
Vanadium	0.0059		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 14:57	1
Zinc	0.018		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 23:03	1
Chloride (EPA 300.0)	68		1.5	0.43	mg/L			05/02/23 23:03	1
Sulfate (EPA 300.0)	58		1.5	0.80	mg/L			05/02/23 23:03	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:47	1
Nitrate Nitrite as N (EPA 353.2)	0.33		0.10	0.040	mg/L			05/12/23 12:06	1
Carbon, Total Organic (SM 5310D)	1.7		0.50	0.26	mg/L			05/11/23 14:41	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-15

Lab Sample ID: 580-126667-15

Date Collected: 04/27/23 12:54

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	290		7.0	7.0	mg/L			05/06/23 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290		7.0	7.0	mg/L			05/06/23 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/06/23 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/06/23 18:13	1
Total Dissolved Solids (SM 2540C)	640		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-16

Lab Sample ID: 580-126667-16

Date Collected: 04/25/23 14:34

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 05:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		05/04/23 05:04	1
1,2-Dichloroethane-d4 (Surr)	92		68 - 120		05/04/23 05:04	1
4-Bromofluorobenzene (Surr)	100		80 - 125		05/04/23 05:04	1
Dibromofluoromethane (Surr)	96		80 - 120		05/04/23 05:04	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 23:11	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 23:11	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 23:11	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 23:11	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/03/23 23:11	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 23:11	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 23:11	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 23:11	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 23:11	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 23:11	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 23:11	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 23:11	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 23:11	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 23:11	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 23:11	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 23:11	1
Acetone	ND		10	3.1	ug/L			05/03/23 23:11	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 23:11	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 23:11	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 23:11	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 23:11	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 23:11	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 23:11	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 23:11	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 23:11	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 23:11	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 23:11	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 23:11	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 23:11	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 23:11	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 23:11	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 23:11	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 23:11	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 23:11	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 23:11	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 23:11	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 23:11	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 23:11	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 23:11	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 23:11	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-16

Lab Sample ID: 580-126667-16

Date Collected: 04/25/23 14:34

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 23:11	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 23:11	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 23:11	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 23:11	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 23:11	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/03/23 23:11	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		05/03/23 23:11	1
4-Bromofluorobenzene (Surr)	92		80 - 120		05/03/23 23:11	1
Dibromofluoromethane (Surr)	108		80 - 120		05/03/23 23:11	1
Toluene-d8 (Surr)	96		80 - 120		05/03/23 23:11	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:43	1
Iron	0.25	J	0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:43	1
Magnesium	93		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:43	1
Manganese	0.34		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:43	1
Potassium	9.3		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:43	1
Sodium	46		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 15:00	1
Arsenic	0.0049		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 15:00	1
Barium	0.088		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 15:00	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 15:00	1
Cadmium	0.000054	J	0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 15:00	1
Chromium	0.00019	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 15:00	1
Cobalt	0.00030	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 15:00	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 15:00	1
Iron	0.29		0.10	0.013	mg/L		05/09/23 16:26	05/10/23 15:00	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 15:00	1
Nickel	0.0075		0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 15:00	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 15:00	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 15:00	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 15:00	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 15:00	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 23:15	1
Chloride (EPA 300.0)	120		15	4.3	mg/L			05/02/23 23:26	10
Sulfate (EPA 300.0)	140		15	8.0	mg/L			05/02/23 23:26	10
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:48	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 12:08	1
Carbon, Total Organic (SM 5310D)	2.8		0.50	0.26	mg/L			05/11/23 15:14	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-16

Lab Sample ID: 580-126667-16

Date Collected: 04/25/23 14:34

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	440		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	440		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	980		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-17

Lab Sample ID: 580-126667-17

Date Collected: 04/25/23 13:20

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.018	J	0.020	0.0030	ug/L			05/04/23 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		05/04/23 05:30	1
1,2-Dichloroethane-d4 (Surr)	91		68 - 120		05/04/23 05:30	1
4-Bromofluorobenzene (Surr)	99		80 - 125		05/04/23 05:30	1
Dibromofluoromethane (Surr)	99		80 - 120		05/04/23 05:30	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 23:32	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 23:32	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 23:32	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 23:32	1
1,1-Dichloroethane	0.029	J	0.20	0.025	ug/L			05/03/23 23:32	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 23:32	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 23:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 23:32	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 23:32	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 23:32	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 23:32	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 23:32	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 23:32	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 23:32	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 23:32	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 23:32	1
Acetone	ND		10	3.1	ug/L			05/03/23 23:32	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 23:32	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 23:32	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 23:32	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 23:32	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 23:32	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 23:32	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 23:32	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 23:32	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 23:32	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 23:32	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 23:32	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 23:32	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 23:32	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 23:32	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 23:32	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 23:32	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 23:32	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 23:32	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 23:32	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 23:32	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 23:32	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 23:32	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 23:32	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-17

Lab Sample ID: 580-126667-17

Date Collected: 04/25/23 13:20

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 23:32	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 23:32	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 23:32	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 23:32	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 23:32	1
Trichlorofluoromethane	0.65		0.50	0.12	ug/L			05/03/23 23:32	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		05/03/23 23:32	1
4-Bromofluorobenzene (Surr)	92		80 - 120		05/03/23 23:32	1
Dibromofluoromethane (Surr)	109		80 - 120		05/03/23 23:32	1
Toluene-d8 (Surr)	94		80 - 120		05/03/23 23:32	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	99		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:47	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:47	1
Magnesium	67		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:47	1
Manganese	0.018	J	0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:47	1
Potassium	7.8		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:47	1
Sodium	39		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 15:02	1
Arsenic	0.0029		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 15:02	1
Barium	0.026		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 15:02	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 15:02	1
Cadmium	0.00037	J	0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 15:02	1
Chromium	0.00020	J	0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 15:02	1
Cobalt	0.000071	J	0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 15:02	1
Copper	0.00081	J	0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 15:02	1
Iron	0.051	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 15:02	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 15:02	1
Nickel	0.0045		0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 15:02	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 15:02	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 15:02	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 15:02	1
Vanadium	0.0029	J	0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 15:02	1
Zinc	0.0018	J	0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 23:38	1
Chloride (EPA 300.0)	80		1.5	0.43	mg/L			05/02/23 23:38	1
Sulfate (EPA 300.0)	71		1.5	0.80	mg/L			05/02/23 23:38	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:50	1
Nitrate Nitrite as N (EPA 353.2)	7.2		0.50	0.20	mg/L			05/12/23 09:44	5
Carbon, Total Organic (SM 5310D)	1.4		0.50	0.26	mg/L			05/11/23 15:40	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-17

Date Collected: 04/25/23 13:20

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-17

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	400		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	400		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	740		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-18

Lab Sample ID: 580-126667-18

Date Collected: 04/25/23 12:33

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.044		0.020	0.0030	ug/L			05/04/23 05:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					05/04/23 05:56	1
1,2-Dichloroethane-d4 (Surr)	88		68 - 120					05/04/23 05:56	1
4-Bromofluorobenzene (Surr)	100		80 - 125					05/04/23 05:56	1
Dibromofluoromethane (Surr)	96		80 - 120					05/04/23 05:56	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 23:54	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 23:54	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 23:54	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 23:54	1
1,1-Dichloroethane	0.24		0.20	0.025	ug/L			05/03/23 23:54	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 23:54	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 23:54	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 23:54	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 23:54	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 23:54	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 23:54	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 23:54	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 23:54	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 23:54	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 23:54	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 23:54	1
Acetone	ND		10	3.1	ug/L			05/03/23 23:54	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 23:54	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 23:54	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 23:54	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 23:54	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 23:54	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 23:54	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 23:54	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 23:54	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 23:54	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 23:54	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 23:54	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 23:54	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 23:54	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 23:54	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 23:54	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 23:54	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 23:54	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 23:54	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 23:54	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 23:54	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 23:54	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 23:54	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 23:54	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-18

Lab Sample ID: 580-126667-18

Date Collected: 04/25/23 12:33

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/03/23 23:54	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 23:54	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 23:54	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 23:54	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 23:54	1
Trichlorofluoromethane	3.4		0.50	0.12	ug/L			05/03/23 23:54	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		05/03/23 23:54	1
4-Bromofluorobenzene (Surr)	94		80 - 120		05/03/23 23:54	1
Dibromofluoromethane (Surr)	110		80 - 120		05/03/23 23:54	1
Toluene-d8 (Surr)	93		80 - 120		05/03/23 23:54	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:50	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:50	1
Magnesium	80		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:50	1
Manganese	ND		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:50	1
Potassium	9.6		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:50	1
Sodium	33		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00013	J	0.00080	0.00013	mg/L		05/09/23 16:26	05/10/23 15:05	1
Arsenic	0.0012		0.0010	0.00020	mg/L		05/09/23 16:26	05/10/23 15:05	1
Barium	0.046		0.0012	0.00021	mg/L		05/09/23 16:26	05/10/23 15:05	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:26	05/10/23 15:05	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:26	05/10/23 15:05	1
Chromium	0.0082		0.00080	0.00017	mg/L		05/09/23 16:26	05/10/23 15:05	1
Cobalt	ND		0.00040	0.000039	mg/L		05/09/23 16:26	05/10/23 15:05	1
Copper	0.00097	J	0.0020	0.00060	mg/L		05/09/23 16:26	05/10/23 15:05	1
Iron	0.067	J	0.10	0.013	mg/L		05/09/23 16:26	05/10/23 15:05	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:26	05/10/23 15:05	1
Nickel	0.0024	J	0.0030	0.00013	mg/L		05/09/23 16:26	05/10/23 15:05	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:26	05/10/23 15:05	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:26	05/10/23 15:05	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:26	05/10/23 15:05	1
Vanadium	0.0044		0.0040	0.00046	mg/L		05/09/23 16:26	05/10/23 15:05	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:26	05/10/23 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/02/23 23:50	1
Chloride (EPA 300.0)	25		1.5	0.43	mg/L			05/02/23 23:50	1
Sulfate (EPA 300.0)	55		1.5	0.80	mg/L			05/02/23 23:50	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:51	1
Nitrate Nitrite as N (EPA 353.2)	9.4		1.0	0.40	mg/L			05/12/23 12:14	10
Carbon, Total Organic (SM 5310D)	0.96		0.50	0.26	mg/L			05/13/23 02:38	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-18

Lab Sample ID: 580-126667-18

Date Collected: 04/25/23 12:33

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	620		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	620		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	860		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-19

Lab Sample ID: 580-126667-19

Date Collected: 04/25/23 11:23

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 120					05/04/23 06:22	1
1,2-Dichloroethane-d4 (Surr)	88		68 - 120					05/04/23 06:22	1
4-Bromofluorobenzene (Surr)	100		80 - 125					05/04/23 06:22	1
Dibromofluoromethane (Surr)	99		80 - 120					05/04/23 06:22	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 00:16	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 00:16	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 00:16	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 00:16	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 00:16	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 00:16	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 00:16	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 00:16	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 00:16	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 00:16	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 00:16	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 00:16	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 00:16	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 00:16	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 00:16	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 00:16	1
Acetone	ND		10	3.1	ug/L			05/04/23 00:16	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 00:16	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 00:16	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 00:16	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 00:16	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 00:16	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 00:16	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 00:16	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 00:16	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 00:16	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 00:16	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 00:16	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 00:16	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 00:16	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 00:16	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 00:16	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 00:16	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 00:16	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 00:16	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 00:16	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 00:16	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 00:16	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 00:16	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 00:16	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-19

Lab Sample ID: 580-126667-19

Date Collected: 04/25/23 11:23

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 00:16	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 00:16	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 00:16	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 00:16	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 00:16	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 00:16	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		05/04/23 00:16	1
4-Bromofluorobenzene (Surr)	89		80 - 120		05/04/23 00:16	1
Dibromofluoromethane (Surr)	109		80 - 120		05/04/23 00:16	1
Toluene-d8 (Surr)	93		80 - 120		05/04/23 00:16	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	75		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:54	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:54	1
Magnesium	28		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:54	1
Manganese	0.0027	J	0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:54	1
Potassium	6.0		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:54	1
Sodium	22		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:27	05/10/23 15:08	1
Arsenic	0.0079		0.0010	0.00020	mg/L		05/09/23 16:27	05/10/23 15:08	1
Barium	0.028		0.0012	0.00021	mg/L		05/09/23 16:27	05/10/23 15:08	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:27	05/10/23 15:08	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:27	05/10/23 15:08	1
Chromium	0.00044	J	0.00080	0.00017	mg/L		05/09/23 16:27	05/10/23 15:08	1
Cobalt	0.000059	J	0.00040	0.000039	mg/L		05/09/23 16:27	05/10/23 15:08	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:27	05/10/23 15:08	1
Iron	0.16		0.10	0.013	mg/L		05/09/23 16:27	05/10/23 15:08	1
Lead	0.00011	J	0.00040	0.000040	mg/L		05/09/23 16:27	05/10/23 15:08	1
Nickel	0.00048	J	0.0030	0.00013	mg/L		05/09/23 16:27	05/10/23 15:08	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:27	05/10/23 15:08	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:27	05/10/23 15:08	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:27	05/10/23 15:08	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:27	05/10/23 15:08	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:27	05/10/23 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 00:01	1
Chloride (EPA 300.0)	42		1.5	0.43	mg/L			05/03/23 00:01	1
Sulfate (EPA 300.0)	26		1.5	0.80	mg/L			05/03/23 00:01	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:53	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 12:16	1
Carbon, Total Organic (SM 5310D)	0.54		0.50	0.26	mg/L			05/13/23 03:03	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-19

Lab Sample ID: 580-126667-19

Date Collected: 04/25/23 11:23

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	250		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	730		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-20

Lab Sample ID: 580-126667-20

Date Collected: 04/25/23 10:37

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 06:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					05/04/23 06:48	1
1,2-Dichloroethane-d4 (Surr)	89		68 - 120					05/04/23 06:48	1
4-Bromofluorobenzene (Surr)	99		80 - 125					05/04/23 06:48	1
Dibromofluoromethane (Surr)	95		80 - 120					05/04/23 06:48	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 00:37	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 00:37	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 00:37	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 00:37	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 00:37	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 00:37	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 00:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 00:37	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 00:37	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 00:37	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 00:37	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 00:37	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 00:37	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 00:37	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 00:37	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 00:37	1
Acetone	ND		10	3.1	ug/L			05/04/23 00:37	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 00:37	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 00:37	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 00:37	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 00:37	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 00:37	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 00:37	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 00:37	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 00:37	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 00:37	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 00:37	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 00:37	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 00:37	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 00:37	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 00:37	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 00:37	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 00:37	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 00:37	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 00:37	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 00:37	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 00:37	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 00:37	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 00:37	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 00:37	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-20

Lab Sample ID: 580-126667-20

Date Collected: 04/25/23 10:37

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 00:37	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 00:37	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 00:37	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 00:37	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 00:37	1
Trichlorofluoromethane	1.1		0.50	0.12	ug/L			05/04/23 00:37	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		05/04/23 00:37	1
4-Bromofluorobenzene (Surr)	89		80 - 120		05/04/23 00:37	1
Dibromofluoromethane (Surr)	108		80 - 120		05/04/23 00:37	1
Toluene-d8 (Surr)	94		80 - 120		05/04/23 00:37	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 14:57	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 14:57	1
Magnesium	46		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 14:57	1
Manganese	ND		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 14:57	1
Potassium	6.1		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 14:57	1
Sodium	29		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 14:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00016	J	0.00080	0.00013	mg/L		05/09/23 16:27	05/10/23 15:10	1
Arsenic	0.0022		0.0010	0.00020	mg/L		05/09/23 16:27	05/10/23 15:10	1
Barium	0.030		0.0012	0.00021	mg/L		05/09/23 16:27	05/10/23 15:10	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:27	05/10/23 15:10	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:27	05/10/23 15:10	1
Chromium	0.0094		0.00080	0.00017	mg/L		05/09/23 16:27	05/10/23 15:10	1
Cobalt	ND		0.00040	0.000039	mg/L		05/09/23 16:27	05/10/23 15:10	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:27	05/10/23 15:10	1
Iron	0.054	J	0.10	0.013	mg/L		05/09/23 16:27	05/10/23 15:10	1
Lead	0.00017	J	0.00040	0.000040	mg/L		05/09/23 16:27	05/10/23 15:10	1
Nickel	0.0029	J	0.0030	0.00013	mg/L		05/09/23 16:27	05/10/23 15:10	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:27	05/10/23 15:10	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:27	05/10/23 15:10	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:27	05/10/23 15:10	1
Vanadium	0.0051		0.0040	0.00046	mg/L		05/09/23 16:27	05/10/23 15:10	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:27	05/10/23 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 00:13	1
Chloride (EPA 300.0)	34		1.5	0.43	mg/L			05/03/23 00:13	1
Sulfate (EPA 300.0)	41		1.5	0.80	mg/L			05/03/23 00:13	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:54	1
Nitrate Nitrite as N (EPA 353.2)	15		1.0	0.40	mg/L			05/12/23 12:18	10
Carbon, Total Organic (SM 5310D)	0.56		0.50	0.26	mg/L			05/13/23 03:41	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-20

Lab Sample ID: 580-126667-20

Date Collected: 04/25/23 10:37

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	400		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	400		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	680		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-21

Lab Sample ID: 580-126667-21

Date Collected: 04/26/23 15:30

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	9.7		0.020	0.0030	ug/L			05/04/23 08:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120					05/04/23 08:42	1
1,2-Dichloroethane-d4 (Surr)	92		68 - 120					05/04/23 08:42	1
4-Bromofluorobenzene (Surr)	105		80 - 125					05/04/23 08:42	1
Dibromofluoromethane (Surr)	90		80 - 120					05/04/23 08:42	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 02:04	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 02:04	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 02:04	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 02:04	1
1,1-Dichloroethane	0.17	J	0.20	0.025	ug/L			05/04/23 02:04	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 02:04	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 02:04	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 02:04	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 02:04	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 02:04	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 02:04	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 02:04	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 02:04	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 02:04	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 02:04	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 02:04	1
Acetone	ND		10	3.1	ug/L			05/04/23 02:04	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 02:04	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 02:04	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 02:04	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 02:04	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 02:04	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 02:04	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 02:04	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 02:04	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 02:04	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 02:04	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 02:04	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 02:04	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 02:04	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 02:04	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 02:04	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 02:04	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 02:04	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 02:04	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 02:04	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 02:04	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 02:04	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 02:04	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 02:04	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-21

Lab Sample ID: 580-126667-21

Date Collected: 04/26/23 15:30

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 02:04	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 02:04	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 02:04	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 02:04	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 02:04	1
Trichlorofluoromethane	1.9		0.50	0.12	ug/L			05/04/23 02:04	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		05/04/23 02:04	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/04/23 02:04	1
Dibromofluoromethane (Surr)	110		80 - 120		05/04/23 02:04	1
Toluene-d8 (Surr)	96		80 - 120		05/04/23 02:04	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 15:27	1
Iron	ND		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 15:27	1
Magnesium	75		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 15:27	1
Manganese	0.059		0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 15:27	1
Potassium	7.7		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 15:27	1
Sodium	31		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 15:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00016	J	0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:41	1
Arsenic	0.0017		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:41	1
Barium	0.034		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:41	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:41	1
Cadmium	0.000076	J	0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:41	1
Chromium	0.00017	J	0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:41	1
Cobalt	0.00019	J	0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:41	1
Copper	0.00071	J	0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:41	1
Iron	0.063	J	0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:41	1
Lead	ND		0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:41	1
Nickel	0.0073		0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:41	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:41	1
Silver	0.00014	J	0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:41	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:41	1
Vanadium	0.0055		0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:41	1
Zinc	0.0012	J	0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 00:25	1
Chloride (EPA 300.0)	44		1.5	0.43	mg/L			05/03/23 00:25	1
Sulfate (EPA 300.0)	82		1.5	0.80	mg/L			05/03/23 00:25	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:15	1
Nitrate Nitrite as N (EPA 353.2)	16		2.0	0.80	mg/L			05/12/23 12:20	20
Carbon, Total Organic (SM 5310D)	1.6		0.50	0.26	mg/L			05/13/23 04:04	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-21

Date Collected: 04/26/23 15:30

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-21

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	540		7.0	7.0	mg/L			05/06/23 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	540		7.0	7.0	mg/L			05/06/23 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/06/23 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/06/23 18:13	1
Total Dissolved Solids (SM 2540C)	670		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-22

Lab Sample ID: 580-126667-22

Date Collected: 04/26/23 16:13

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.025		0.020	0.0030	ug/L			05/04/23 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		05/04/23 09:06	1
1,2-Dichloroethane-d4 (Surr)	87		68 - 120		05/04/23 09:06	1
4-Bromofluorobenzene (Surr)	98		80 - 125		05/04/23 09:06	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 09:06	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 02:26	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 02:26	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 02:26	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 02:26	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 02:26	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 02:26	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 02:26	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 02:26	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 02:26	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 02:26	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 02:26	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 02:26	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 02:26	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 02:26	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 02:26	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 02:26	1
Acetone	ND		10	3.1	ug/L			05/04/23 02:26	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 02:26	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 02:26	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 02:26	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 02:26	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 02:26	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 02:26	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 02:26	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 02:26	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 02:26	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 02:26	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 02:26	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 02:26	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 02:26	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 02:26	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 02:26	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 02:26	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 02:26	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 02:26	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 02:26	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 02:26	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 02:26	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 02:26	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 02:26	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-22

Lab Sample ID: 580-126667-22

Date Collected: 04/26/23 16:13

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 02:26	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 02:26	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 02:26	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 02:26	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 02:26	1
Trichlorofluoromethane	2.6		0.50	0.12	ug/L			05/04/23 02:26	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 120		05/04/23 02:26	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/04/23 02:26	1
Dibromofluoromethane (Surr)	110		80 - 120		05/04/23 02:26	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 02:26	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	140		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 15:54	1
Iron	ND		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 15:54	1
Magnesium	58		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 15:54	1
Manganese	0.47		0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 15:54	1
Potassium	6.9		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 15:54	1
Sodium	30		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 15:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00031	J	0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:44	1
Arsenic	0.0014		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:44	1
Barium	0.051		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:44	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:44	1
Cadmium	0.00010	J	0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:44	1
Chromium	0.00031	J	0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:44	1
Cobalt	0.00094		0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:44	1
Copper	0.011		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:44	1
Iron	0.11		0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:44	1
Lead	0.000075	J	0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:44	1
Nickel	0.0048		0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:44	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:44	1
Silver	ND		0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:44	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:44	1
Vanadium	0.0028	J	0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:44	1
Zinc	0.0018	J	0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 00:37	1
Chloride (EPA 300.0)	25		1.5	0.43	mg/L			05/03/23 00:37	1
Sulfate (EPA 300.0)	50		1.5	0.80	mg/L			05/03/23 00:37	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:17	1
Nitrate Nitrite as N (EPA 353.2)	16		1.0	0.40	mg/L			05/12/23 12:22	10
Carbon, Total Organic (SM 5310D)	0.76		0.50	0.26	mg/L			05/13/23 04:30	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-22

Lab Sample ID: 580-126667-22

Date Collected: 04/26/23 16:13

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	520		7.0	7.0	mg/L			05/06/23 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	520		7.0	7.0	mg/L			05/06/23 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/06/23 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/06/23 18:13	1
Total Dissolved Solids (SM 2540C)	790		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-23

Lab Sample ID: 580-126667-23

Date Collected: 04/27/23 08:56

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.085		0.020	0.0030	ug/L			05/04/23 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		05/04/23 20:35	1
1,2-Dichloroethane-d4 (Surr)	91		68 - 120		05/04/23 20:35	1
4-Bromofluorobenzene (Surr)	97		80 - 125		05/04/23 20:35	1
Dibromofluoromethane (Surr)	94		80 - 120		05/04/23 20:35	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 19:29	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 19:29	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 19:29	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 19:29	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 19:29	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 19:29	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 19:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 19:29	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 19:29	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 19:29	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 19:29	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 19:29	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 19:29	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 19:29	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 19:29	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 19:29	1
Acetone	ND		10	3.1	ug/L			05/04/23 19:29	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 19:29	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 19:29	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 19:29	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 19:29	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 19:29	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 19:29	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 19:29	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 19:29	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 19:29	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 19:29	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 19:29	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 19:29	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 19:29	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 19:29	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 19:29	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 19:29	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 19:29	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 19:29	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 19:29	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 19:29	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 19:29	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 19:29	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 19:29	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-23

Lab Sample ID: 580-126667-23

Date Collected: 04/27/23 08:56

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 19:29	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 19:29	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 19:29	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 19:29	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 19:29	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 19:29	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		05/04/23 19:29	1
4-Bromofluorobenzene (Surr)	89		80 - 120		05/04/23 19:29	1
Dibromofluoromethane (Surr)	109		80 - 120		05/04/23 19:29	1
Toluene-d8 (Surr)	94		80 - 120		05/04/23 19:29	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 15:58	1
Iron	ND		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 15:58	1
Magnesium	110		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 15:58	1
Manganese	0.059		0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 15:58	1
Potassium	8.7		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 15:58	1
Sodium	41		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 15:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00048	J	0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:46	1
Arsenic	0.015		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:46	1
Barium	0.066		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:46	1
Beryllium	0.00014	J	0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:46	1
Cadmium	0.00017	J	0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:46	1
Chromium	0.011		0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:46	1
Cobalt	0.0036		0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:46	1
Copper	0.011		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:46	1
Iron	7.0		0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:46	1
Lead	0.0060		0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:46	1
Nickel	0.020		0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:46	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:46	1
Silver	0.000058	J	0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:46	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:46	1
Vanadium	0.020		0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:46	1
Zinc	0.016		0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 00:48	1
Chloride (EPA 300.0)	90		1.5	0.43	mg/L			05/03/23 00:48	1
Sulfate (EPA 300.0)	120		15	8.0	mg/L			05/04/23 18:46	10
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:18	1
Nitrate Nitrite as N (EPA 353.2)	0.11		0.10	0.040	mg/L			05/12/23 12:24	1
Carbon, Total Organic (SM 5310D)	1.2		0.50	0.26	mg/L			05/13/23 04:56	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-23

Lab Sample ID: 580-126667-23

Date Collected: 04/27/23 08:56

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	660		7.0	7.0	mg/L			05/06/23 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	660		7.0	7.0	mg/L			05/06/23 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/06/23 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/06/23 18:13	1
Total Dissolved Solids (SM 2540C)	1100		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-24

Lab Sample ID: 580-126667-24

Date Collected: 04/27/23 09:40

Matrix: Water

Date Received: 05/01/23 14:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	30		2.0	0.80	mg/L			05/12/23 12:26	20

1

2

3

4

5

6

7

8

9

10

11

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-25

Lab Sample ID: 580-126667-25

Date Collected: 04/27/23 17:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 17:06	1
1,2-Dichloroethane-d4 (Surr)	88		68 - 120					05/04/23 17:06	1
4-Bromofluorobenzene (Surr)	98		80 - 125					05/04/23 17:06	1
Dibromofluoromethane (Surr)	93		80 - 120					05/04/23 17:06	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 19:50	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 19:50	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 19:50	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 19:50	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 19:50	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 19:50	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 19:50	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 19:50	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 19:50	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 19:50	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 19:50	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 19:50	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 19:50	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 19:50	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 19:50	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 19:50	1
Acetone	ND		10	3.1	ug/L			05/04/23 19:50	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 19:50	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 19:50	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 19:50	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 19:50	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 19:50	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 19:50	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 19:50	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 19:50	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 19:50	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 19:50	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 19:50	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 19:50	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 19:50	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 19:50	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 19:50	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 19:50	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 19:50	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 19:50	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 19:50	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 19:50	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 19:50	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 19:50	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 19:50	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-25

Lab Sample ID: 580-126667-25

Date Collected: 04/27/23 17:10

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 19:50	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 19:50	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 19:50	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 19:50	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 19:50	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 19:50	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 120		05/04/23 19:50	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/04/23 19:50	1
Dibromofluoromethane (Surr)	111		80 - 120		05/04/23 19:50	1
Toluene-d8 (Surr)	93		80 - 120		05/04/23 19:50	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	82	B	0.50	0.077	mg/L		05/03/23 17:01	05/04/23 16:10	1
Iron	ND		0.30	0.061	mg/L		05/03/23 17:01	05/04/23 16:10	1
Magnesium	48		0.50	0.047	mg/L		05/03/23 17:01	05/04/23 16:10	1
Manganese	0.012	J	0.020	0.0017	mg/L		05/03/23 17:01	05/04/23 16:10	1
Potassium	5.6		3.3	0.17	mg/L		05/03/23 17:01	05/04/23 16:10	1
Sodium	33		0.50	0.33	mg/L		05/03/23 17:01	05/04/23 16:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00018	J	0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:49	1
Arsenic	0.0038		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:49	1
Barium	0.022		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:49	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:49	1
Cadmium	ND		0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:49	1
Chromium	0.0012		0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:49	1
Cobalt	0.000054	J	0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:49	1
Copper	0.018		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:49	1
Iron	0.23		0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:49	1
Lead	0.0027		0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:49	1
Nickel	0.0022	J	0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:49	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:49	1
Silver	ND		0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:49	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:49	1
Vanadium	0.0024	J	0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:49	1
Zinc	0.042		0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 01:23	1
Chloride (EPA 300.0)	59		1.5	0.43	mg/L			05/03/23 01:23	1
Sulfate (EPA 300.0)	47		1.5	0.80	mg/L			05/03/23 01:23	1
Ammonia (EPA 350.1)	0.29		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:20	1
Nitrate Nitrite as N (EPA 353.2)	1.5		0.10	0.040	mg/L			05/12/23 12:44	1
Carbon, Total Organic (SM 5310D)	1.4		0.50	0.26	mg/L			05/13/23 05:22	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-25

Date Collected: 04/27/23 17:10

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-25

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	300		7.0	7.0	mg/L			05/06/23 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	300		7.0	7.0	mg/L			05/06/23 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/06/23 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/06/23 18:13	1
Total Dissolved Solids (SM 2540C)	740		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-26

Lab Sample ID: 580-126667-26

Date Collected: 04/27/23 11:35

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					05/04/23 17:32	1
1,2-Dichloroethane-d4 (Surr)	89		68 - 120					05/04/23 17:32	1
4-Bromofluorobenzene (Surr)	98		80 - 125					05/04/23 17:32	1
Dibromofluoromethane (Surr)	93		80 - 120					05/04/23 17:32	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 20:12	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 20:12	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 20:12	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 20:12	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 20:12	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 20:12	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 20:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 20:12	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 20:12	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 20:12	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 20:12	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 20:12	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 20:12	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 20:12	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 20:12	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 20:12	1
Acetone	ND		10	3.1	ug/L			05/04/23 20:12	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 20:12	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 20:12	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 20:12	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 20:12	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 20:12	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 20:12	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 20:12	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 20:12	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 20:12	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 20:12	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 20:12	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 20:12	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 20:12	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 20:12	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 20:12	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 20:12	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 20:12	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 20:12	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 20:12	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 20:12	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 20:12	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 20:12	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 20:12	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-26

Lab Sample ID: 580-126667-26

Date Collected: 04/27/23 11:35

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 20:12	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 20:12	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 20:12	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 20:12	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 20:12	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 20:12	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 120		05/04/23 20:12	1
4-Bromofluorobenzene (Surr)	92		80 - 120		05/04/23 20:12	1
Dibromofluoromethane (Surr)	112		80 - 120		05/04/23 20:12	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 20:12	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	30		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 16:01	1
Iron	ND		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 16:01	1
Magnesium	33		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 16:01	1
Manganese	0.031		0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 16:01	1
Potassium	14		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 16:01	1
Sodium	15		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 16:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:38	1
Arsenic	0.021		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:38	1
Barium	0.025		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:38	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:38	1
Cadmium	ND		0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:38	1
Chromium	0.00042	J	0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:38	1
Cobalt	0.000084	J	0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:38	1
Copper	ND		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:38	1
Iron	0.22		0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:38	1
Lead	0.000071	J	0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:38	1
Nickel	0.00045	J	0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:38	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:38	1
Silver	ND		0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:38	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:38	1
Vanadium	ND		0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:38	1
Zinc	0.0017	J	0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 01:35	1
Chloride (EPA 300.0)	44		1.5	0.43	mg/L			05/03/23 01:35	1
Sulfate (EPA 300.0)	18		1.5	0.80	mg/L			05/03/23 01:35	1
Ammonia (EPA 350.1)	0.079		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:21	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 12:46	1
Carbon, Total Organic (SM 5310D)	0.82		0.50	0.26	mg/L			05/13/23 05:48	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-26

Lab Sample ID: 580-126667-26

Date Collected: 04/27/23 11:35

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	180		7.0	7.0	mg/L			05/06/23 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	180		7.0	7.0	mg/L			05/06/23 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/06/23 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/06/23 18:13	1
Total Dissolved Solids (SM 2540C)	370		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-27

Lab Sample ID: 580-126667-27

Date Collected: 04/27/23 10:40

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120					05/04/23 17:58	1
1,2-Dichloroethane-d4 (Surr)	90		68 - 120					05/04/23 17:58	1
4-Bromofluorobenzene (Surr)	97		80 - 125					05/04/23 17:58	1
Dibromofluoromethane (Surr)	94		80 - 120					05/04/23 17:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 20:34	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 20:34	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 20:34	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 20:34	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 20:34	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 20:34	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 20:34	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 20:34	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 20:34	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 20:34	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 20:34	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 20:34	1
1,4-Dichlorobenzene	ND *1		0.30	0.050	ug/L			05/04/23 20:34	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 20:34	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 20:34	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 20:34	1
Acetone	ND		10	3.1	ug/L			05/04/23 20:34	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 20:34	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 20:34	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 20:34	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 20:34	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 20:34	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 20:34	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 20:34	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 20:34	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 20:34	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 20:34	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 20:34	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 20:34	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 20:34	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 20:34	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 20:34	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 20:34	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 20:34	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 20:34	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 20:34	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 20:34	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 20:34	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 20:34	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 20:34	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-27

Lab Sample ID: 580-126667-27

Date Collected: 04/27/23 10:40

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 20:34	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 20:34	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 20:34	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 20:34	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 20:34	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 20:34	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		05/04/23 20:34	1
4-Bromofluorobenzene (Surr)	89		80 - 120		05/04/23 20:34	1
Dibromofluoromethane (Surr)	111		80 - 120		05/04/23 20:34	1
Toluene-d8 (Surr)	92		80 - 120		05/04/23 20:34	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 16:05	1
Iron	0.88		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 16:05	1
Magnesium	59		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 16:05	1
Manganese	0.094		0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 16:05	1
Potassium	7.7		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 16:05	1
Sodium	31		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 16:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:52	1
Arsenic	0.0065		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:52	1
Barium	0.042		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:52	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:52	1
Cadmium	ND		0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:52	1
Chromium	ND		0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:52	1
Cobalt	ND		0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:52	1
Copper	ND		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:52	1
Iron	0.84		0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:52	1
Lead	ND		0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:52	1
Nickel	0.0012	J	0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:52	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:52	1
Silver	ND		0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:52	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:52	1
Vanadium	0.0026	J	0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:52	1
Zinc	ND		0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 01:47	1
Chloride (EPA 300.0)	61		1.5	0.43	mg/L			05/03/23 01:47	1
Sulfate (EPA 300.0)	46		1.5	0.80	mg/L			05/03/23 01:47	1
Ammonia (EPA 350.1)	0.033	J	0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:23	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 12:48	1
Carbon, Total Organic (SM 5310D)	0.88		0.50	0.26	mg/L			05/13/23 06:13	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-27

Lab Sample ID: 580-126667-27

Date Collected: 04/27/23 10:40

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	380		7.0	7.0	mg/L			05/06/23 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	380		7.0	7.0	mg/L			05/06/23 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/06/23 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/06/23 18:13	1
Total Dissolved Solids (SM 2540C)	720		10	10	mg/L			05/03/23 15:23	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:01	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-28

Lab Sample ID: 580-126667-28

Date Collected: 04/25/23 13:35

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.015	J	0.020	0.0030	ug/L			05/04/23 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		05/04/23 07:14	1
1,2-Dichloroethane-d4 (Surr)	90		68 - 120		05/04/23 07:14	1
4-Bromofluorobenzene (Surr)	99		80 - 125		05/04/23 07:14	1
Dibromofluoromethane (Surr)	96		80 - 120		05/04/23 07:14	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 00:59	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 00:59	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 00:59	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 00:59	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 00:59	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 00:59	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 00:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 00:59	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 00:59	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 00:59	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 00:59	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 00:59	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 00:59	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 00:59	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 00:59	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 00:59	1
Acetone	ND		10	3.1	ug/L			05/04/23 00:59	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 00:59	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 00:59	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 00:59	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 00:59	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 00:59	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 00:59	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 00:59	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 00:59	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 00:59	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 00:59	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 00:59	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 00:59	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 00:59	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 00:59	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 00:59	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 00:59	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 00:59	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 00:59	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 00:59	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 00:59	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 00:59	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 00:59	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 00:59	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-28

Lab Sample ID: 580-126667-28

Date Collected: 04/25/23 13:35

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 00:59	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 00:59	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 00:59	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 00:59	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 00:59	1
Trichlorofluoromethane	0.56		0.50	0.12	ug/L			05/04/23 00:59	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		05/04/23 00:59	1
4-Bromofluorobenzene (Surr)	87		80 - 120		05/04/23 00:59	1
Dibromofluoromethane (Surr)	109		80 - 120		05/04/23 00:59	1
Toluene-d8 (Surr)	98		80 - 120		05/04/23 00:59	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 16:08	1
Iron	ND		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 16:08	1
Magnesium	68		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 16:08	1
Manganese	0.018	J	0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 16:08	1
Potassium	7.9		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 16:08	1
Sodium	39		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 16:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00013	J	0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:54	1
Arsenic	0.0030		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:54	1
Barium	0.025		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:54	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:54	1
Cadmium	0.000038	J	0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:54	1
Chromium	0.00023	J	0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:54	1
Cobalt	0.000066	J	0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:54	1
Copper	ND		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:54	1
Iron	0.049	J	0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:54	1
Lead	ND		0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:54	1
Nickel	0.0044		0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:54	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:54	1
Silver	ND		0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:54	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:54	1
Vanadium	0.0028	J	0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:54	1
Zinc	ND		0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 01:58	1
Chloride (EPA 300.0)	79		1.5	0.43	mg/L			05/03/23 01:58	1
Sulfate (EPA 300.0)	71		1.5	0.80	mg/L			05/03/23 01:58	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:24	1
Nitrate Nitrite as N (EPA 353.2)	6.6		0.20	0.080	mg/L			05/12/23 12:50	2
Carbon, Total Organic (SM 5310D)	1.5		0.50	0.26	mg/L			05/13/23 06:39	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-28

Lab Sample ID: 580-126667-28

Date Collected: 04/25/23 13:35

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	420		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	420		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	800		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:01	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-29

Lab Sample ID: 580-126667-29

Date Collected: 04/25/23 11:43

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 07:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120					05/04/23 07:43	1
1,2-Dichloroethane-d4 (Surr)	93		68 - 120					05/04/23 07:43	1
4-Bromofluorobenzene (Surr)	104		80 - 125					05/04/23 07:43	1
Dibromofluoromethane (Surr)	91		80 - 120					05/04/23 07:43	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 01:21	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 01:21	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 01:21	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 01:21	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 01:21	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 01:21	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 01:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 01:21	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 01:21	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 01:21	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 01:21	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 01:21	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 01:21	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 01:21	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 01:21	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 01:21	1
Acetone	ND		10	3.1	ug/L			05/04/23 01:21	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 01:21	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 01:21	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 01:21	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 01:21	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 01:21	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 01:21	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 01:21	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 01:21	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 01:21	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 01:21	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 01:21	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 01:21	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 01:21	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 01:21	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 01:21	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 01:21	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 01:21	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 01:21	1
Methyl iodide	ND		0.50	0.070	ug/L			05/04/23 01:21	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 01:21	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 01:21	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 01:21	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 01:21	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-29

Lab Sample ID: 580-126667-29

Date Collected: 04/25/23 11:43

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/04/23 01:21	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 01:21	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 01:21	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 01:21	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 01:21	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 01:21	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		05/04/23 01:21	1
4-Bromofluorobenzene (Surr)	93		80 - 120		05/04/23 01:21	1
Dibromofluoromethane (Surr)	108		80 - 120		05/04/23 01:21	1
Toluene-d8 (Surr)	94		80 - 120		05/04/23 01:21	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	74		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 16:12	1
Iron	ND		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 16:12	1
Magnesium	28		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 16:12	1
Manganese	0.021		0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 16:12	1
Potassium	6.1		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 16:12	1
Sodium	22		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 16:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:57	1
Arsenic	0.0099		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:57	1
Barium	0.033		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:57	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:57	1
Cadmium	ND		0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:57	1
Chromium	0.00087		0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:57	1
Cobalt	0.00019	J	0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:57	1
Copper	ND		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:57	1
Iron	0.54		0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:57	1
Lead	0.00041		0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:57	1
Nickel	0.0013	J	0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:57	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:57	1
Silver	ND		0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:57	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:57	1
Vanadium	ND		0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:57	1
Zinc	0.0028	J	0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			05/03/23 02:10	1
Chloride (EPA 300.0)	41		1.5	0.43	mg/L			05/03/23 02:10	1
Sulfate (EPA 300.0)	25		1.5	0.80	mg/L			05/03/23 02:10	1
Ammonia (EPA 350.1)	ND		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:26	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			05/12/23 12:56	1
Carbon, Total Organic (SM 5310D)	0.63		0.50	0.26	mg/L			05/13/23 20:57	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-29

Lab Sample ID: 580-126667-29

Date Collected: 04/25/23 11:43

Matrix: Water

Date Received: 05/01/23 14:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	250		7.0	7.0	mg/L			05/04/23 21:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		7.0	7.0	mg/L			05/04/23 21:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			05/04/23 21:31	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			05/04/23 21:31	1
Total Dissolved Solids (SM 2540C)	480		10	10	mg/L			05/02/23 16:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		05/06/23 17:01	05/06/23 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: Trip Blanks

Lab Sample ID: 580-126667-30

Date Collected: 04/28/23 00:00

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120					05/04/23 18:25	1
1,2-Dichloroethane-d4 (Surr)	92		68 - 120					05/04/23 18:25	1
4-Bromofluorobenzene (Surr)	97		80 - 125					05/04/23 18:25	1
Dibromofluoromethane (Surr)	96		80 - 120					05/04/23 18:25	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/05/23 05:57	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/05/23 05:57	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/05/23 05:57	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/05/23 05:57	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/05/23 05:57	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/05/23 05:57	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/05/23 05:57	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/05/23 05:57	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/05/23 05:57	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/05/23 05:57	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/05/23 05:57	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/05/23 05:57	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/05/23 05:57	1
2-Butanone	ND		10	2.5	ug/L			05/05/23 05:57	1
2-Hexanone	ND		3.0	0.94	ug/L			05/05/23 05:57	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/05/23 05:57	1
Acetone	ND		10	3.1	ug/L			05/05/23 05:57	1
Acrylonitrile	ND		10	2.0	ug/L			05/05/23 05:57	1
Benzene	ND		0.20	0.030	ug/L			05/05/23 05:57	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/05/23 05:57	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/05/23 05:57	1
Bromoform	ND		0.50	0.16	ug/L			05/05/23 05:57	1
Bromomethane	ND		0.50	0.13	ug/L			05/05/23 05:57	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/05/23 05:57	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/05/23 05:57	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/05/23 05:57	1
Chloroethane	ND		0.50	0.096	ug/L			05/05/23 05:57	1
Chloroform	ND		0.20	0.030	ug/L			05/05/23 05:57	1
Chloromethane	ND		0.50	0.14	ug/L			05/05/23 05:57	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/05/23 05:57	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/05/23 05:57	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/05/23 05:57	1
Dibromomethane	ND		0.20	0.062	ug/L			05/05/23 05:57	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/05/23 05:57	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/05/23 05:57	1
Methyl iodide	ND		0.50	0.070	ug/L			05/05/23 05:57	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/05/23 05:57	1
o-Xylene	ND		0.50	0.15	ug/L			05/05/23 05:57	1
Styrene	ND		1.0	0.19	ug/L			05/05/23 05:57	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/05/23 05:57	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: Trip Blanks

Lab Sample ID: 580-126667-30

Date Collected: 04/28/23 00:00

Matrix: Water

Date Received: 05/01/23 14:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			05/05/23 05:57	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/05/23 05:57	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/05/23 05:57	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/05/23 05:57	1
Trichloroethene	ND		0.20	0.066	ug/L			05/05/23 05:57	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/05/23 05:57	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/05/23 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 120		05/05/23 05:57	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/05/23 05:57	1
Dibromofluoromethane (Surr)	109		80 - 120		05/05/23 05:57	1
Toluene-d8 (Surr)	95		80 - 120		05/05/23 05:57	1

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-424857/7

Matrix: Water

Analysis Batch: 424857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/03/23 20:17	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/03/23 20:17	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/03/23 20:17	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/03/23 20:17	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/03/23 20:17	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/03/23 20:17	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/03/23 20:17	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/03/23 20:17	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/03/23 20:17	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/03/23 20:17	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/03/23 20:17	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/03/23 20:17	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/03/23 20:17	1
2-Butanone	ND		10	2.5	ug/L			05/03/23 20:17	1
2-Hexanone	ND		3.0	0.94	ug/L			05/03/23 20:17	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/03/23 20:17	1
Acetone	ND		10	3.1	ug/L			05/03/23 20:17	1
Acrylonitrile	ND		10	2.0	ug/L			05/03/23 20:17	1
Benzene	ND		0.20	0.030	ug/L			05/03/23 20:17	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/03/23 20:17	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/03/23 20:17	1
Bromoform	ND		0.50	0.16	ug/L			05/03/23 20:17	1
Bromomethane	ND		0.50	0.13	ug/L			05/03/23 20:17	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/03/23 20:17	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/03/23 20:17	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/03/23 20:17	1
Chloroethane	ND		0.50	0.096	ug/L			05/03/23 20:17	1
Chloroform	ND		0.20	0.030	ug/L			05/03/23 20:17	1
Chloromethane	ND		0.50	0.14	ug/L			05/03/23 20:17	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/03/23 20:17	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/03/23 20:17	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/03/23 20:17	1
Dibromomethane	ND		0.20	0.062	ug/L			05/03/23 20:17	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/03/23 20:17	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/03/23 20:17	1
Methyl iodide	ND		0.50	0.070	ug/L			05/03/23 20:17	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/03/23 20:17	1
o-Xylene	ND		0.50	0.15	ug/L			05/03/23 20:17	1
Styrene	ND		1.0	0.19	ug/L			05/03/23 20:17	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/03/23 20:17	1
Toluene	ND		0.20	0.050	ug/L			05/03/23 20:17	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/03/23 20:17	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/03/23 20:17	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/03/23 20:17	1
Trichloroethene	ND		0.20	0.066	ug/L			05/03/23 20:17	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/03/23 20:17	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/03/23 20:17	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-424857/7

Matrix: Water

Analysis Batch: 424857

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		05/03/23 20:17	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/03/23 20:17	1
Dibromofluoromethane (Surr)	107		80 - 120		05/03/23 20:17	1
Toluene-d8 (Surr)	97		80 - 120		05/03/23 20:17	1

Lab Sample ID: LCS 580-424857/4

Matrix: Water

Analysis Batch: 424857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.08		ug/L		102	69 - 127
1,1,1-Trichloroethane	5.00	4.97		ug/L		99	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.07		ug/L		101	67 - 136
1,1,2-Trichloroethane	5.00	5.00		ug/L		100	73 - 127
1,1-Dichloroethane	5.00	5.14		ug/L		103	74 - 120
1,1-Dichloroethene	5.00	4.80		ug/L		96	60 - 129
1,2,3-Trichloropropane	5.00	4.78		ug/L		96	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.64		ug/L		93	55 - 135
1,2-Dibromoethane	5.00	4.89		ug/L		98	61 - 143
1,2-Dichlorobenzene	5.00	4.90		ug/L		98	72 - 129
1,2-Dichloroethane	5.00	5.12		ug/L		102	74 - 127
1,2-Dichloropropane	5.00	4.99		ug/L		100	69 - 130
1,4-Dichlorobenzene	5.00	5.06		ug/L		101	71 - 129
2-Butanone	25.0	22.8		ug/L		91	37 - 150
2-Hexanone	25.0	22.5		ug/L		90	56 - 150
4-Methyl-2-pentanone	25.0	21.6		ug/L		86	63 - 137
Acetone	25.0	24.0		ug/L		96	49 - 150
Acrylonitrile	50.0	51.1		ug/L		102	50 - 145
Benzene	5.00	5.05		ug/L		101	80 - 120
Bromochloromethane	5.00	4.93		ug/L		99	79 - 121
Bromodichloromethane	5.00	5.10		ug/L		102	74 - 131
Bromoform	5.00	4.82		ug/L		96	48 - 127
Bromomethane	5.00	4.68		ug/L		94	51 - 148
Carbon disulfide	5.00	4.72		ug/L		94	54 - 142
Carbon tetrachloride	5.00	5.02		ug/L		100	66 - 130
Chlorobenzene	5.00	4.91		ug/L		98	74 - 123
Chloroethane	5.00	5.18		ug/L		104	54 - 140
Chloroform	5.00	5.12		ug/L		102	75 - 120
Chloromethane	5.00	4.64		ug/L		93	32 - 150
cis-1,2-Dichloroethene	5.00	4.97		ug/L		99	72 - 120
cis-1,3-Dichloropropene	5.00	4.83		ug/L		97	77 - 131
Dibromochloromethane	5.00	4.89		ug/L		98	62 - 141
Dibromomethane	5.00	5.05		ug/L		101	65 - 141
Ethylbenzene	5.00	4.94		ug/L		99	80 - 124
m,p-Xylene	5.00	5.09		ug/L		102	75 - 124
Methyl iodide	5.00	5.63		ug/L		113	60 - 128
Methylene Chloride	5.00	5.18		ug/L		104	40 - 142
o-Xylene	5.00	5.00		ug/L		100	71 - 124

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-424857/4

Matrix: Water

Analysis Batch: 424857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	5.00	5.06		ug/L		101	74 - 127
Tetrachloroethene	5.00	4.86		ug/L		97	75 - 124
Toluene	5.00	4.96		ug/L		99	80 - 126
trans-1,2-Dichloroethene	5.00	4.87		ug/L		97	69 - 121
trans-1,3-Dichloropropene	5.00	4.92		ug/L		98	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.80		ug/L		96	20 - 150
Trichloroethene	5.00	4.92		ug/L		98	72 - 120
Trichlorofluoromethane	5.00	4.64		ug/L		93	60 - 132
Vinyl acetate	12.5	12.0		ug/L		96	38 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 580-424857/5

Matrix: Water

Analysis Batch: 424857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.95		ug/L		99	69 - 127	3	22
1,1,1-Trichloroethane	5.00	4.71		ug/L		94	70 - 121	5	24
1,1,2,2-Tetrachloroethane	5.00	4.64		ug/L		93	67 - 136	9	24
1,1,2-Trichloroethane	5.00	5.03		ug/L		101	73 - 127	1	22
1,1-Dichloroethane	5.00	4.85		ug/L		97	74 - 120	6	26
1,1-Dichloroethene	5.00	4.41		ug/L		88	60 - 129	8	29
1,2,3-Trichloropropane	5.00	4.47		ug/L		89	67 - 135	7	25
1,2-Dibromo-3-Chloropropane	5.00	4.30		ug/L		86	55 - 135	8	29
1,2-Dibromoethane	5.00	4.78		ug/L		96	61 - 143	2	22
1,2-Dichlorobenzene	5.00	4.65		ug/L		93	72 - 129	5	22
1,2-Dichloroethane	5.00	5.04		ug/L		101	74 - 127	1	21
1,2-Dichloropropane	5.00	4.70		ug/L		94	69 - 130	6	22
1,4-Dichlorobenzene	5.00	4.70		ug/L		94	71 - 129	7	22
2-Butanone	25.0	22.2		ug/L		89	37 - 150	3	35
2-Hexanone	25.0	23.3		ug/L		93	56 - 150	3	29
4-Methyl-2-pentanone	25.0	22.4		ug/L		90	63 - 137	4	26
Acetone	25.0	24.1		ug/L		97	49 - 150	1	24
Acrylonitrile	50.0	49.7		ug/L		99	50 - 145	3	33
Benzene	5.00	4.82		ug/L		96	80 - 120	5	22
Bromochloromethane	5.00	4.71		ug/L		94	79 - 121	5	20
Bromodichloromethane	5.00	4.84		ug/L		97	74 - 131	5	21
Bromoform	5.00	4.73		ug/L		95	48 - 127	2	23
Bromomethane	5.00	4.67		ug/L		93	51 - 148	0	35
Carbon disulfide	5.00	4.58		ug/L		92	54 - 142	3	34
Carbon tetrachloride	5.00	4.86		ug/L		97	66 - 130	3	24
Chlorobenzene	5.00	4.80		ug/L		96	74 - 123	2	21
Chloroethane	5.00	4.90		ug/L		98	54 - 140	6	33

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-424857/5

Matrix: Water

Analysis Batch: 424857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	5.00	4.93		ug/L		99	75 - 120	4	21
Chloromethane	5.00	4.53		ug/L		91	32 - 150	2	33
cis-1,2-Dichloroethene	5.00	4.89		ug/L		98	72 - 120	2	22
cis-1,3-Dichloropropene	5.00	4.70		ug/L		94	77 - 131	3	24
Dibromochloromethane	5.00	4.88		ug/L		98	62 - 141	0	22
Dibromomethane	5.00	4.68		ug/L		94	65 - 141	8	22
Ethylbenzene	5.00	4.84		ug/L		97	80 - 124	2	22
m,p-Xylene	5.00	4.87		ug/L		97	75 - 124	4	22
Methyl iodide	5.00	5.53		ug/L		111	60 - 128	2	39
Methylene Chloride	5.00	4.76	J	ug/L		95	40 - 142	9	25
o-Xylene	5.00	4.92		ug/L		98	71 - 124	2	23
Styrene	5.00	5.02		ug/L		100	74 - 127	1	22
Tetrachloroethene	5.00	4.58		ug/L		92	75 - 124	6	20
Toluene	5.00	4.86		ug/L		97	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	4.88		ug/L		98	69 - 121	0	27
trans-1,3-Dichloropropene	5.00	4.72		ug/L		94	71 - 138	4	26
trans-1,4-Dichloro-2-butene	5.00	4.41		ug/L		88	20 - 150	9	35
Trichloroethene	5.00	4.66		ug/L		93	72 - 120	5	22
Trichlorofluoromethane	5.00	4.44		ug/L		89	60 - 132	4	32
Vinyl acetate	12.5	10.9		ug/L		88	38 - 150	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 580-425036/7

Matrix: Water

Analysis Batch: 425036

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/04/23 15:52	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/04/23 15:52	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/04/23 15:52	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/04/23 15:52	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/04/23 15:52	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/04/23 15:52	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/04/23 15:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/04/23 15:52	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/04/23 15:52	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/04/23 15:52	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/04/23 15:52	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/04/23 15:52	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/04/23 15:52	1
2-Butanone	ND		10	2.5	ug/L			05/04/23 15:52	1
2-Hexanone	ND		3.0	0.94	ug/L			05/04/23 15:52	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/04/23 15:52	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-425036/7

Matrix: Water

Analysis Batch: 425036

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.1	ug/L			05/04/23 15:52	1
Acrylonitrile	ND		10	2.0	ug/L			05/04/23 15:52	1
Benzene	ND		0.20	0.030	ug/L			05/04/23 15:52	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/04/23 15:52	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/04/23 15:52	1
Bromoform	ND		0.50	0.16	ug/L			05/04/23 15:52	1
Bromomethane	ND		0.50	0.13	ug/L			05/04/23 15:52	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/04/23 15:52	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/04/23 15:52	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/04/23 15:52	1
Chloroethane	ND		0.50	0.096	ug/L			05/04/23 15:52	1
Chloroform	ND		0.20	0.030	ug/L			05/04/23 15:52	1
Chloromethane	ND		0.50	0.14	ug/L			05/04/23 15:52	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/04/23 15:52	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/04/23 15:52	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/04/23 15:52	1
Dibromomethane	ND		0.20	0.062	ug/L			05/04/23 15:52	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/04/23 15:52	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/04/23 15:52	1
Methyl iodide	0.0947	J	0.50	0.070	ug/L			05/04/23 15:52	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/04/23 15:52	1
o-Xylene	ND		0.50	0.15	ug/L			05/04/23 15:52	1
Styrene	ND		1.0	0.19	ug/L			05/04/23 15:52	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/04/23 15:52	1
Toluene	ND		0.20	0.050	ug/L			05/04/23 15:52	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/04/23 15:52	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/04/23 15:52	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/04/23 15:52	1
Trichloroethene	ND		0.20	0.066	ug/L			05/04/23 15:52	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/04/23 15:52	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/04/23 15:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		05/04/23 15:52	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/04/23 15:52	1
Dibromofluoromethane (Surr)	110		80 - 120		05/04/23 15:52	1
Toluene-d8 (Surr)	95		80 - 120		05/04/23 15:52	1

Lab Sample ID: LCS 580-425036/4

Matrix: Water

Analysis Batch: 425036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.36		ug/L		107	69 - 127
1,1,1-Trichloroethane	5.00	5.33		ug/L		107	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.17		ug/L		103	67 - 136
1,1,2-Trichloroethane	5.00	5.10		ug/L		102	73 - 127
1,1-Dichloroethane	5.00	5.49		ug/L		110	74 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-425036/4

Matrix: Water

Analysis Batch: 425036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	5.00	4.91		ug/L		98	60 - 129
1,2,3-Trichloropropane	5.00	4.99		ug/L		100	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.92		ug/L		98	55 - 135
1,2-Dibromoethane	5.00	5.15		ug/L		103	61 - 143
1,2-Dichlorobenzene	5.00	5.09		ug/L		102	72 - 129
1,2-Dichloroethane	5.00	5.22		ug/L		104	74 - 127
1,2-Dichloropropane	5.00	5.32		ug/L		106	69 - 130
1,4-Dichlorobenzene	5.00	5.33		ug/L		107	71 - 129
2-Butanone	25.0	21.9		ug/L		88	37 - 150
2-Hexanone	25.0	22.1		ug/L		88	56 - 150
4-Methyl-2-pentanone	25.0	22.8		ug/L		91	63 - 137
Acetone	25.0	23.9		ug/L		96	49 - 150
Acrylonitrile	50.0	53.0		ug/L		106	50 - 145
Benzene	5.00	5.28		ug/L		106	80 - 120
Bromochloromethane	5.00	5.11		ug/L		102	79 - 121
Bromodichloromethane	5.00	5.16		ug/L		103	74 - 131
Bromoform	5.00	4.88		ug/L		98	48 - 127
Bromomethane	5.00	5.21		ug/L		104	51 - 148
Carbon disulfide	5.00	5.10		ug/L		102	54 - 142
Carbon tetrachloride	5.00	5.61		ug/L		112	66 - 130
Chlorobenzene	5.00	5.26		ug/L		105	74 - 123
Chloroethane	5.00	5.26		ug/L		105	54 - 140
Chloroform	5.00	5.41		ug/L		108	75 - 120
Chloromethane	5.00	5.11		ug/L		102	32 - 150
cis-1,2-Dichloroethene	5.00	5.46		ug/L		109	72 - 120
cis-1,3-Dichloropropene	5.00	5.26		ug/L		105	77 - 131
Dibromochloromethane	5.00	5.20		ug/L		104	62 - 141
Dibromomethane	5.00	4.98		ug/L		100	65 - 141
Ethylbenzene	5.00	5.28		ug/L		106	80 - 124
m,p-Xylene	5.00	5.35		ug/L		107	75 - 124
Methyl iodide	5.00	5.62		ug/L		112	60 - 128
Methylene Chloride	5.00	5.27		ug/L		105	40 - 142
o-Xylene	5.00	5.38		ug/L		108	71 - 124
Styrene	5.00	5.33		ug/L		107	74 - 127
Tetrachloroethene	5.00	5.07		ug/L		101	75 - 124
Toluene	5.00	5.30		ug/L		106	80 - 126
trans-1,2-Dichloroethene	5.00	5.29		ug/L		106	69 - 121
trans-1,3-Dichloropropene	5.00	5.18		ug/L		104	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.74		ug/L		95	20 - 150
Trichloroethene	5.00	5.31		ug/L		106	72 - 120
Trichlorofluoromethane	5.00	5.30		ug/L		106	60 - 132
Vinyl acetate	12.5	11.3		ug/L		91	38 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-425036/5

Matrix: Water

Analysis Batch: 425036

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.47		ug/L		89	69 - 127	18	22
1,1,1-Trichloroethane	5.00	4.59		ug/L		92	70 - 121	15	24
1,1,2,2-Tetrachloroethane	5.00	4.16		ug/L		83	67 - 136	22	24
1,1,2-Trichloroethane	5.00	4.38		ug/L		88	73 - 127	15	22
1,1-Dichloroethane	5.00	4.66		ug/L		93	74 - 120	16	26
1,1-Dichloroethene	5.00	4.47		ug/L		89	60 - 129	9	29
1,2,3-Trichloropropane	5.00	4.04		ug/L		81	67 - 135	21	25
1,2-Dibromo-3-Chloropropane	5.00	3.70		ug/L		74	55 - 135	28	29
1,2-Dibromoethane	5.00	4.28		ug/L		86	61 - 143	18	22
1,2-Dichlorobenzene	5.00	4.11		ug/L		82	72 - 129	21	22
1,2-Dichloroethane	5.00	4.49		ug/L		90	74 - 127	15	21
1,2-Dichloropropane	5.00	4.48		ug/L		90	69 - 130	17	22
1,4-Dichlorobenzene	5.00	4.23	*1	ug/L		85	71 - 129	23	22
2-Butanone	25.0	23.0		ug/L		92	37 - 150	5	35
2-Hexanone	25.0	19.0		ug/L		76	56 - 150	15	29
4-Methyl-2-pentanone	25.0	19.2		ug/L		77	63 - 137	17	26
Acetone	25.0	21.1		ug/L		84	49 - 150	13	24
Acrylonitrile	50.0	45.7		ug/L		91	50 - 145	15	33
Benzene	5.00	4.48		ug/L		90	80 - 120	16	22
Bromochloromethane	5.00	4.31		ug/L		86	79 - 121	17	20
Bromodichloromethane	5.00	4.53		ug/L		91	74 - 131	13	21
Bromoform	5.00	4.32		ug/L		86	48 - 127	12	23
Bromomethane	5.00	4.27		ug/L		85	51 - 148	20	35
Carbon disulfide	5.00	4.39		ug/L		88	54 - 142	15	34
Carbon tetrachloride	5.00	4.80		ug/L		96	66 - 130	16	24
Chlorobenzene	5.00	4.36		ug/L		87	74 - 123	19	21
Chloroethane	5.00	4.78		ug/L		96	54 - 140	10	33
Chloroform	5.00	4.54		ug/L		91	75 - 120	17	21
Chloromethane	5.00	4.37		ug/L		87	32 - 150	15	33
cis-1,2-Dichloroethene	5.00	4.56		ug/L		91	72 - 120	18	22
cis-1,3-Dichloropropene	5.00	4.35		ug/L		87	77 - 131	19	24
Dibromochloromethane	5.00	4.36		ug/L		87	62 - 141	18	22
Dibromomethane	5.00	4.39		ug/L		88	65 - 141	13	22
Ethylbenzene	5.00	4.43		ug/L		89	80 - 124	18	22
m,p-Xylene	5.00	4.50		ug/L		90	75 - 124	17	22
Methyl iodide	5.00	4.96		ug/L		99	60 - 128	13	39
Methylene Chloride	5.00	4.55	J	ug/L		91	40 - 142	15	25
o-Xylene	5.00	4.47		ug/L		89	71 - 124	19	23
Styrene	5.00	4.44		ug/L		89	74 - 127	18	22
Tetrachloroethene	5.00	4.19		ug/L		84	75 - 124	19	20
Toluene	5.00	4.47		ug/L		89	80 - 126	17	20
trans-1,2-Dichloroethene	5.00	4.40		ug/L		88	69 - 121	18	27
trans-1,3-Dichloropropene	5.00	4.33		ug/L		87	71 - 138	18	26
trans-1,4-Dichloro-2-butene	5.00	3.96		ug/L		79	20 - 150	18	35
Trichloroethene	5.00	4.48		ug/L		90	72 - 120	17	22
Trichlorofluoromethane	5.00	4.46		ug/L		89	60 - 132	17	32
Vinyl acetate	12.5	9.70		ug/L		78	38 - 150	16	35

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-425036/5

Matrix: Water

Analysis Batch: 425036

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 580-425054/7

Matrix: Water

Analysis Batch: 425054

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			05/05/23 01:59	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			05/05/23 01:59	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			05/05/23 01:59	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			05/05/23 01:59	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			05/05/23 01:59	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			05/05/23 01:59	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			05/05/23 01:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			05/05/23 01:59	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			05/05/23 01:59	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			05/05/23 01:59	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			05/05/23 01:59	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			05/05/23 01:59	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			05/05/23 01:59	1
2-Butanone	ND		10	2.5	ug/L			05/05/23 01:59	1
2-Hexanone	ND		3.0	0.94	ug/L			05/05/23 01:59	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			05/05/23 01:59	1
Acetone	ND		10	3.1	ug/L			05/05/23 01:59	1
Acrylonitrile	ND		10	2.0	ug/L			05/05/23 01:59	1
Benzene	ND		0.20	0.030	ug/L			05/05/23 01:59	1
Bromochloromethane	ND		0.20	0.050	ug/L			05/05/23 01:59	1
Bromodichloromethane	ND		0.20	0.060	ug/L			05/05/23 01:59	1
Bromoform	ND		0.50	0.16	ug/L			05/05/23 01:59	1
Bromomethane	ND		0.50	0.13	ug/L			05/05/23 01:59	1
Carbon disulfide	ND		0.30	0.083	ug/L			05/05/23 01:59	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			05/05/23 01:59	1
Chlorobenzene	ND		0.20	0.060	ug/L			05/05/23 01:59	1
Chloroethane	ND		0.50	0.096	ug/L			05/05/23 01:59	1
Chloroform	ND		0.20	0.030	ug/L			05/05/23 01:59	1
Chloromethane	ND		0.50	0.14	ug/L			05/05/23 01:59	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			05/05/23 01:59	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			05/05/23 01:59	1
Dibromochloromethane	ND		0.20	0.055	ug/L			05/05/23 01:59	1
Dibromomethane	ND		0.20	0.062	ug/L			05/05/23 01:59	1
Ethylbenzene	ND		0.20	0.030	ug/L			05/05/23 01:59	1
m,p-Xylene	ND		0.50	0.12	ug/L			05/05/23 01:59	1
Methyl iodide	ND		0.50	0.070	ug/L			05/05/23 01:59	1
Methylene Chloride	ND		5.0	1.2	ug/L			05/05/23 01:59	1
o-Xylene	ND		0.50	0.15	ug/L			05/05/23 01:59	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-425054/7

Matrix: Water

Analysis Batch: 425054

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.19	ug/L			05/05/23 01:59	1
Tetrachloroethene	ND		0.50	0.084	ug/L			05/05/23 01:59	1
Toluene	ND		0.20	0.050	ug/L			05/05/23 01:59	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			05/05/23 01:59	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			05/05/23 01:59	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			05/05/23 01:59	1
Trichloroethene	ND		0.20	0.066	ug/L			05/05/23 01:59	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			05/05/23 01:59	1
Vinyl acetate	ND		2.0	0.44	ug/L			05/05/23 01:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		05/05/23 01:59	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/05/23 01:59	1
Dibromofluoromethane (Surr)	107		80 - 120		05/05/23 01:59	1
Toluene-d8 (Surr)	95		80 - 120		05/05/23 01:59	1

Lab Sample ID: LCS 580-425054/4

Matrix: Water

Analysis Batch: 425054

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.27		ug/L		105	69 - 127
1,1,1-Trichloroethane	5.00	5.11		ug/L		102	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.92		ug/L		98	67 - 136
1,1,2-Trichloroethane	5.00	5.33		ug/L		107	73 - 127
1,1-Dichloroethane	5.00	5.39		ug/L		108	74 - 120
1,1-Dichloroethene	5.00	4.99		ug/L		100	60 - 129
1,2,3-Trichloropropane	5.00	5.23		ug/L		105	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.76		ug/L		95	55 - 135
1,2-Dibromoethane	5.00	5.41		ug/L		108	61 - 143
1,2-Dichlorobenzene	5.00	4.97		ug/L		99	72 - 129
1,2-Dichloroethane	5.00	5.31		ug/L		106	74 - 127
1,2-Dichloropropane	5.00	5.15		ug/L		103	69 - 130
1,4-Dichlorobenzene	5.00	5.11		ug/L		102	71 - 129
2-Butanone	25.0	26.3		ug/L		105	37 - 150
2-Hexanone	25.0	25.7		ug/L		103	56 - 150
4-Methyl-2-pentanone	25.0	25.1		ug/L		101	63 - 137
Acetone	25.0	27.5		ug/L		110	49 - 150
Acrylonitrile	50.0	56.2		ug/L		112	50 - 145
Benzene	5.00	5.09		ug/L		102	80 - 120
Bromochloromethane	5.00	5.09		ug/L		102	79 - 121
Bromodichloromethane	5.00	5.14		ug/L		103	74 - 131
Bromoform	5.00	5.37		ug/L		107	48 - 127
Bromomethane	5.00	5.19		ug/L		104	51 - 148
Carbon disulfide	5.00	4.99		ug/L		100	54 - 142
Carbon tetrachloride	5.00	5.28		ug/L		106	66 - 130
Chlorobenzene	5.00	5.07		ug/L		101	74 - 123
Chloroethane	5.00	4.94		ug/L		99	54 - 140

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-425054/4

Matrix: Water

Analysis Batch: 425054

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroform	5.00	5.24		ug/L		105	75 - 120
Chloromethane	5.00	4.97		ug/L		99	32 - 150
cis-1,2-Dichloroethene	5.00	5.17		ug/L		103	72 - 120
cis-1,3-Dichloropropene	5.00	5.04		ug/L		101	77 - 131
Dibromochloromethane	5.00	5.22		ug/L		104	62 - 141
Dibromomethane	5.00	5.09		ug/L		102	65 - 141
Ethylbenzene	5.00	5.12		ug/L		102	80 - 124
m,p-Xylene	5.00	5.08		ug/L		102	75 - 124
Methyl iodide	5.00	5.40		ug/L		108	60 - 128
Methylene Chloride	5.00	5.74		ug/L		115	40 - 142
o-Xylene	5.00	5.18		ug/L		104	71 - 124
Styrene	5.00	5.11		ug/L		102	74 - 127
Tetrachloroethene	5.00	5.09		ug/L		102	75 - 124
Toluene	5.00	5.24		ug/L		105	80 - 126
trans-1,2-Dichloroethene	5.00	5.12		ug/L		102	69 - 121
trans-1,3-Dichloropropene	5.00	5.08		ug/L		102	71 - 138
trans-1,4-Dichloro-2-butene	5.00	5.13		ug/L		103	20 - 150
Trichloroethene	5.00	5.44		ug/L		109	72 - 120
Trichlorofluoromethane	5.00	4.76		ug/L		95	60 - 132
Vinyl acetate	12.5	6.34		ug/L		51	38 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 580-425054/5

Matrix: Water

Analysis Batch: 425054

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.08		ug/L		102	69 - 127	4	22
1,1,1-Trichloroethane	5.00	5.08		ug/L		102	70 - 121	1	24
1,1,2,2-Tetrachloroethane	5.00	5.03		ug/L		101	67 - 136	2	24
1,1,2-Trichloroethane	5.00	5.38		ug/L		108	73 - 127	1	22
1,1-Dichloroethane	5.00	5.24		ug/L		105	74 - 120	3	26
1,1-Dichloroethene	5.00	4.98		ug/L		100	60 - 129	0	29
1,2,3-Trichloropropane	5.00	5.09		ug/L		102	67 - 135	3	25
1,2-Dibromo-3-Chloropropane	5.00	4.88		ug/L		98	55 - 135	3	29
1,2-Dibromoethane	5.00	5.20		ug/L		104	61 - 143	4	22
1,2-Dichlorobenzene	5.00	5.01		ug/L		100	72 - 129	1	22
1,2-Dichloroethane	5.00	5.33		ug/L		107	74 - 127	0	21
1,2-Dichloropropane	5.00	5.10		ug/L		102	69 - 130	1	22
1,4-Dichlorobenzene	5.00	5.07		ug/L		101	71 - 129	1	22
2-Butanone	25.0	27.7		ug/L		111	37 - 150	5	35
2-Hexanone	25.0	26.1		ug/L		104	56 - 150	2	29
4-Methyl-2-pentanone	25.0	25.3		ug/L		101	63 - 137	1	26

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-425054/5

Matrix: Water

Analysis Batch: 425054

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	25.0	28.0		ug/L		112	49 - 150	2	24
Acrylonitrile	50.0	56.1		ug/L		112	50 - 145	0	33
Benzene	5.00	5.08		ug/L		102	80 - 120	0	22
Bromochloromethane	5.00	4.84		ug/L		97	79 - 121	5	20
Bromodichloromethane	5.00	5.11		ug/L		102	74 - 131	1	21
Bromoform	5.00	5.19		ug/L		104	48 - 127	3	23
Bromomethane	5.00	4.83		ug/L		97	51 - 148	7	35
Carbon disulfide	5.00	4.90		ug/L		98	54 - 142	2	34
Carbon tetrachloride	5.00	5.21		ug/L		104	66 - 130	1	24
Chlorobenzene	5.00	4.95		ug/L		99	74 - 123	2	21
Chloroethane	5.00	5.42		ug/L		108	54 - 140	9	33
Chloroform	5.00	5.23		ug/L		105	75 - 120	0	21
Chloromethane	5.00	4.91		ug/L		98	32 - 150	1	33
cis-1,2-Dichloroethene	5.00	5.13		ug/L		103	72 - 120	1	22
cis-1,3-Dichloropropene	5.00	5.00		ug/L		100	77 - 131	1	24
Dibromochloromethane	5.00	5.11		ug/L		102	62 - 141	2	22
Dibromomethane	5.00	5.15		ug/L		103	65 - 141	1	22
Ethylbenzene	5.00	5.02		ug/L		100	80 - 124	2	22
m,p-Xylene	5.00	5.04		ug/L		101	75 - 124	1	22
Methyl iodide	5.00	5.41		ug/L		108	60 - 128	0	39
Methylene Chloride	5.00	5.51		ug/L		110	40 - 142	4	25
o-Xylene	5.00	5.11		ug/L		102	71 - 124	1	23
Styrene	5.00	5.06		ug/L		101	74 - 127	1	22
Tetrachloroethene	5.00	5.01		ug/L		100	75 - 124	2	20
Toluene	5.00	5.11		ug/L		102	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	4.99		ug/L		100	69 - 121	3	27
trans-1,3-Dichloropropene	5.00	5.07		ug/L		101	71 - 138	0	26
trans-1,4-Dichloro-2-butene	5.00	4.80		ug/L		96	20 - 150	7	35
Trichloroethene	5.00	5.28		ug/L		106	72 - 120	3	22
Trichlorofluoromethane	5.00	4.95		ug/L		99	60 - 132	4	32
Vinyl acetate	12.5	7.04		ug/L		56	38 - 150	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-424889/7

Matrix: Water

Analysis Batch: 424889

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 02:26	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-424889/7

Matrix: Water

Analysis Batch: 424889

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		05/04/23 02:26	1
1,2-Dichloroethane-d4 (Surr)	89		68 - 120		05/04/23 02:26	1
4-Bromofluorobenzene (Surr)	99		80 - 125		05/04/23 02:26	1
Dibromofluoromethane (Surr)	98		80 - 120		05/04/23 02:26	1

Lab Sample ID: LCS 580-424889/4

Matrix: Water

Analysis Batch: 424889

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.00	4.83		ug/L		97	68 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		80 - 120
1,2-Dichloroethane-d4 (Surr)	91		68 - 120
4-Bromofluorobenzene (Surr)	99		80 - 125
Dibromofluoromethane (Surr)	99		80 - 120

Lab Sample ID: LCSD 580-424889/5

Matrix: Water

Analysis Batch: 424889

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	5.57		ug/L		111	68 - 150	14	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	109		80 - 120
1,2-Dichloroethane-d4 (Surr)	87		68 - 120
4-Bromofluorobenzene (Surr)	99		80 - 125
Dibromofluoromethane (Surr)	100		80 - 120

Lab Sample ID: MB 580-425033/7

Matrix: Water

Analysis Batch: 425033

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			05/04/23 16:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		80 - 120		05/04/23 16:14	1
1,2-Dichloroethane-d4 (Surr)	87		68 - 120		05/04/23 16:14	1
4-Bromofluorobenzene (Surr)	96		80 - 125		05/04/23 16:14	1
Dibromofluoromethane (Surr)	93		80 - 120		05/04/23 16:14	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-425033/4

Matrix: Water

Analysis Batch: 425033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.00	5.25		ug/L		105	68 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	110		80 - 120				
1,2-Dichloroethane-d4 (Surr)	85		68 - 120				
4-Bromofluorobenzene (Surr)	97		80 - 125				
Dibromofluoromethane (Surr)	95		80 - 120				

Lab Sample ID: LCSD 580-425033/5

Matrix: Water

Analysis Batch: 425033

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	5.24		ug/L		105	68 - 150	0	21
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	110		80 - 120						
1,2-Dichloroethane-d4 (Surr)	87		68 - 120						
4-Bromofluorobenzene (Surr)	96		80 - 125						
Dibromofluoromethane (Surr)	96		80 - 120						

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-425533/23-A

Matrix: Water

Analysis Batch: 425804

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 425533

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.077	mg/L		05/09/23 16:29	05/11/23 13:12	1
Iron	ND		0.30	0.061	mg/L		05/09/23 16:29	05/11/23 13:12	1
Magnesium	ND		0.50	0.047	mg/L		05/09/23 16:29	05/11/23 13:12	1
Manganese	ND		0.020	0.0017	mg/L		05/09/23 16:29	05/11/23 13:12	1
Potassium	ND		3.3	0.17	mg/L		05/09/23 16:29	05/11/23 13:12	1
Sodium	ND		0.50	0.33	mg/L		05/09/23 16:29	05/11/23 13:12	1

Lab Sample ID: LCS 580-425533/24-A

Matrix: Water

Analysis Batch: 425804

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 425533

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	19.9		mg/L		99	80 - 120
Iron	20.0	20.8		mg/L		104	80 - 120
Magnesium	20.0	20.1		mg/L		100	80 - 120
Manganese	1.00	1.05		mg/L		105	80 - 120
Potassium	20.0	19.7		mg/L		99	80 - 120
Sodium	20.0	19.6		mg/L		98	80 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-425533/25-A

Matrix: Water

Analysis Batch: 425804

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 425533

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	19.3		mg/L		97	80 - 120	3	20
Iron	20.0	20.6		mg/L		103	80 - 120	1	20
Magnesium	20.0	19.6		mg/L		98	80 - 120	3	20
Manganese	1.00	1.05		mg/L		105	80 - 120	0	20
Potassium	20.0	19.7		mg/L		99	80 - 120	0	20
Sodium	20.0	19.1		mg/L		96	80 - 120	2	20

Lab Sample ID: MB 580-425644/15-A

Matrix: Water

Analysis Batch: 425804

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 425644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.077	mg/L		05/10/23 17:00	05/11/23 15:15	1
Iron	ND		0.30	0.061	mg/L		05/10/23 17:00	05/11/23 15:15	1
Magnesium	ND		0.50	0.047	mg/L		05/10/23 17:00	05/11/23 15:15	1
Manganese	ND		0.020	0.0017	mg/L		05/10/23 17:00	05/11/23 15:15	1
Potassium	ND		3.3	0.17	mg/L		05/10/23 17:00	05/11/23 15:15	1
Sodium	ND		0.50	0.33	mg/L		05/10/23 17:00	05/11/23 15:15	1

Lab Sample ID: LCS 580-425644/16-A

Matrix: Water

Analysis Batch: 425804

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 425644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	19.7		mg/L		99	80 - 120
Iron	20.0	19.8		mg/L		99	80 - 120
Magnesium	20.0	20.0		mg/L		100	80 - 120
Manganese	1.00	1.03		mg/L		103	80 - 120
Potassium	20.0	19.4		mg/L		97	80 - 120
Sodium	20.0	19.8		mg/L		99	80 - 120

Lab Sample ID: LCSD 580-425644/17-A

Matrix: Water

Analysis Batch: 425804

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 425644

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	20.1		mg/L		100	80 - 120	2	20
Iron	20.0	20.8		mg/L		104	80 - 120	5	20
Magnesium	20.0	20.2		mg/L		101	80 - 120	1	20
Manganese	1.00	1.06		mg/L		106	80 - 120	3	20
Potassium	20.0	20.0		mg/L		100	80 - 120	3	20
Sodium	20.0	20.0		mg/L		100	80 - 120	1	20

Lab Sample ID: MB 580-424778/3-B

Matrix: Water

Analysis Batch: 425137

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 424925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.101	J	0.50	0.077	mg/L		05/03/23 17:01	05/04/23 15:40	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 580-424778/3-B

Matrix: Water

Analysis Batch: 425137

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 424925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.30	0.061	mg/L		05/03/23 17:01	05/04/23 15:40	1
Magnesium	ND		0.50	0.047	mg/L		05/03/23 17:01	05/04/23 15:40	1
Manganese	ND		0.020	0.0017	mg/L		05/03/23 17:01	05/04/23 15:40	1
Potassium	ND		3.3	0.17	mg/L		05/03/23 17:01	05/04/23 15:40	1
Sodium	ND		0.50	0.33	mg/L		05/03/23 17:01	05/04/23 15:40	1

Lab Sample ID: LCS 580-424778/4-B

Matrix: Water

Analysis Batch: 425137

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 424925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	20.6		mg/L		103	80 - 120
Iron	20.0	21.3		mg/L		106	80 - 120
Magnesium	20.0	20.2		mg/L		101	80 - 120
Manganese	1.00	1.04		mg/L		104	80 - 120
Potassium	20.0	20.0		mg/L		100	80 - 120
Sodium	20.0	20.2		mg/L		101	80 - 120

Lab Sample ID: LCSD 580-424778/5-B

Matrix: Water

Analysis Batch: 425137

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Prep Batch: 424925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Calcium	20.0	20.8		mg/L		104	80 - 120	1	20
Iron	20.0	21.6		mg/L		108	80 - 120	2	20
Magnesium	20.0	20.2		mg/L		101	80 - 120	0	20
Manganese	1.00	1.05		mg/L		105	80 - 120	1	20
Potassium	20.0	20.1		mg/L		101	80 - 120	0	20
Sodium	20.0	20.3		mg/L		102	80 - 120	1	20

Lab Sample ID: 580-126667-15 MS

Matrix: Water

Analysis Batch: 425137

Client Sample ID: 0427-15

Prep Type: Dissolved

Prep Batch: 424925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	83	B	20.0	105	4	mg/L		112	80 - 120
Iron	ND		20.0	21.4		mg/L		107	80 - 120
Magnesium	46		20.0	67.2		mg/L		106	80 - 120
Manganese	ND		1.00	1.04		mg/L		104	80 - 120
Potassium	5.6		20.0	26.4		mg/L		104	80 - 120
Sodium	29		20.0	50.5		mg/L		106	80 - 120

Lab Sample ID: 580-126667-15 MSD

Matrix: Water

Analysis Batch: 425137

Client Sample ID: 0427-15

Prep Type: Dissolved

Prep Batch: 424925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Calcium	83	B	20.0	105	4	mg/L		112	80 - 120	0	20
Iron	ND		20.0	21.3		mg/L		107	80 - 120	0	20
Magnesium	46		20.0	67.5		mg/L		107	80 - 120	0	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-126667-15 MSD

Matrix: Water

Analysis Batch: 425137

Client Sample ID: 0427-15

Prep Type: Dissolved

Prep Batch: 424925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	ND		1.00	1.04		mg/L		104	80 - 120	0	20
Potassium	5.6		20.0	26.7		mg/L		105	80 - 120	1	20
Sodium	29		20.0	50.9		mg/L		108	80 - 120	1	20

Lab Sample ID: 580-126667-15 DU

Matrix: Water

Analysis Batch: 425137

Client Sample ID: 0427-15

Prep Type: Dissolved

Prep Batch: 424925

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	83	B	82.8		mg/L				0	20
Iron	ND		ND		mg/L				NC	20
Magnesium	46		46.1		mg/L				0.1	20
Manganese	ND		ND		mg/L				NC	20
Potassium	5.6		5.53		mg/L				1	20
Sodium	29		29.1		mg/L				0.5	20

Lab Sample ID: 580-126667-1 MS

Matrix: Water

Analysis Batch: 425804

Client Sample ID: 0425-01

Prep Type: Dissolved

Prep Batch: 425533

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	65		20.0	86.8		mg/L		108	80 - 120		
Iron	0.77		20.0	21.2		mg/L		102	80 - 120		
Magnesium	44		20.0	64.9		mg/L		106	80 - 120		
Manganese	0.18		1.00	1.23		mg/L		104	80 - 120		
Potassium	6.5		20.0	26.9		mg/L		102	80 - 120		
Sodium	25		20.0	46.2		mg/L		105	80 - 120		

Lab Sample ID: 580-126667-1 MSD

Matrix: Water

Analysis Batch: 425804

Client Sample ID: 0425-01

Prep Type: Dissolved

Prep Batch: 425533

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	65		20.0	84.3		mg/L		96	80 - 120	3	20
Iron	0.77		20.0	20.6		mg/L		99	80 - 120	3	20
Magnesium	44		20.0	63.2		mg/L		97	80 - 120	3	20
Manganese	0.18		1.00	1.19		mg/L		101	80 - 120	3	20
Potassium	6.5		20.0	26.2		mg/L		99	80 - 120	2	20
Sodium	25		20.0	45.2		mg/L		99	80 - 120	2	20

Lab Sample ID: 580-126667-1 DU

Matrix: Water

Analysis Batch: 425804

Client Sample ID: 0425-01

Prep Type: Dissolved

Prep Batch: 425533

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	65		63.3		mg/L				3	20
Iron	0.77		0.692		mg/L				10	20
Magnesium	44		42.5		mg/L				3	20
Manganese	0.18		0.177		mg/L				4	20
Potassium	6.5		6.24		mg/L				3	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-126667-1 DU

Matrix: Water

Analysis Batch: 425804

Client Sample ID: 0425-01

Prep Type: Dissolved

Prep Batch: 425533

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Sodium	25		24.6		mg/L		3	20

Lab Sample ID: 580-126667-21 MS

Matrix: Water

Analysis Batch: 425804

Client Sample ID: 0426-21

Prep Type: Dissolved

Prep Batch: 425644

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Calcium	150		20.0	171	4	mg/L		110	80 - 120
Iron	ND		20.0	19.5		mg/L		97	80 - 120
Magnesium	75		20.0	95.2		mg/L		102	80 - 120
Manganese	0.059		1.00	1.06		mg/L		100	80 - 120
Potassium	7.7		20.0	27.8		mg/L		101	80 - 120
Sodium	31		20.0	51.6		mg/L		104	80 - 120

Lab Sample ID: 580-126667-21 MSD

Matrix: Water

Analysis Batch: 425804

Client Sample ID: 0426-21

Prep Type: Dissolved

Prep Batch: 425644

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Calcium	150		20.0	170	4	mg/L		106	80 - 120	0	20
Iron	ND		20.0	19.8		mg/L		99	80 - 120	2	20
Magnesium	75		20.0	94.7		mg/L		100	80 - 120	1	20
Manganese	0.059		1.00	1.07		mg/L		101	80 - 120	1	20
Potassium	7.7		20.0	28.1		mg/L		102	80 - 120	1	20
Sodium	31		20.0	51.4		mg/L		103	80 - 120	0	20

Lab Sample ID: 580-126667-21 DU

Matrix: Water

Analysis Batch: 425804

Client Sample ID: 0426-21

Prep Type: Dissolved

Prep Batch: 425644

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Calcium	150		151		mg/L		2	20
Iron	ND		ND		mg/L		NC	20
Magnesium	75		75.9		mg/L		1	20
Manganese	0.059		0.0573		mg/L		3	20
Potassium	7.7		7.75		mg/L		1	20
Sodium	31		31.4		mg/L		2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-425532/24-A

Matrix: Water

Analysis Batch: 425674

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/09/23 16:27	05/10/23 13:36	1
Arsenic	ND		0.0010	0.00020	mg/L		05/09/23 16:27	05/10/23 13:36	1
Barium	ND		0.0012	0.00021	mg/L		05/09/23 16:27	05/10/23 13:36	1
Beryllium	ND		0.00040	0.00011	mg/L		05/09/23 16:27	05/10/23 13:36	1
Cadmium	ND		0.00040	0.000037	mg/L		05/09/23 16:27	05/10/23 13:36	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-425532/24-A

Matrix: Water

Analysis Batch: 425674

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.00080	0.00017	mg/L		05/09/23 16:27	05/10/23 13:36	1
Cobalt	ND		0.00040	0.000039	mg/L		05/09/23 16:27	05/10/23 13:36	1
Copper	ND		0.0020	0.00060	mg/L		05/09/23 16:27	05/10/23 13:36	1
Iron	ND		0.10	0.013	mg/L		05/09/23 16:27	05/10/23 13:36	1
Lead	ND		0.00040	0.000040	mg/L		05/09/23 16:27	05/10/23 13:36	1
Nickel	ND		0.0030	0.00013	mg/L		05/09/23 16:27	05/10/23 13:36	1
Selenium	ND		0.0080	0.0021	mg/L		05/09/23 16:27	05/10/23 13:36	1
Silver	ND		0.00040	0.000025	mg/L		05/09/23 16:27	05/10/23 13:36	1
Thallium	ND		0.0010	0.000029	mg/L		05/09/23 16:27	05/10/23 13:36	1
Vanadium	ND		0.0040	0.00046	mg/L		05/09/23 16:27	05/10/23 13:36	1
Zinc	ND		0.0070	0.00093	mg/L		05/09/23 16:27	05/10/23 13:36	1

Lab Sample ID: LCS 580-425532/25-A

Matrix: Water

Analysis Batch: 425674

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.934		mg/L		93	80 - 120
Arsenic	1.00	0.959		mg/L		96	80 - 120
Barium	1.00	0.936		mg/L		94	80 - 120
Beryllium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	0.938		mg/L		94	80 - 120
Chromium	1.00	0.979		mg/L		98	80 - 120
Cobalt	1.00	0.981		mg/L		98	80 - 120
Copper	1.00	0.998		mg/L		100	80 - 120
Iron	20.0	19.5		mg/L		97	80 - 120
Lead	1.00	0.964		mg/L		96	80 - 120
Nickel	1.00	0.992		mg/L		99	80 - 120
Selenium	1.00	0.958		mg/L		96	80 - 120
Silver	1.00	0.959		mg/L		96	80 - 120
Thallium	1.00	0.962		mg/L		96	80 - 120
Vanadium	1.00	0.980		mg/L		98	80 - 120
Zinc	1.00	0.981		mg/L		98	80 - 120

Lab Sample ID: LCSD 580-425532/26-A

Matrix: Water

Analysis Batch: 425674

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.920		mg/L		92	80 - 120	2	20
Arsenic	1.00	0.950		mg/L		95	80 - 120	1	20
Barium	1.00	0.918		mg/L		92	80 - 120	2	20
Beryllium	1.00	1.00		mg/L		100	80 - 120	0	20
Cadmium	1.00	0.931		mg/L		93	80 - 120	1	20
Chromium	1.00	0.987		mg/L		99	80 - 120	1	20
Cobalt	1.00	0.966		mg/L		97	80 - 120	2	20
Copper	1.00	0.983		mg/L		98	80 - 120	2	20
Iron	20.0	19.4		mg/L		97	80 - 120	0	20
Lead	1.00	0.964		mg/L		96	80 - 120	0	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-425532/26-A

Matrix: Water

Analysis Batch: 425674

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	1.00	0.982		mg/L		98	80 - 120	1	20
Selenium	1.00	0.860		mg/L		86	80 - 120	11	20
Silver	1.00	0.945		mg/L		94	80 - 120	1	20
Thallium	1.00	0.957		mg/L		96	80 - 120	1	20
Vanadium	1.00	0.983		mg/L		98	80 - 120	0	20
Zinc	1.00	0.950		mg/L		95	80 - 120	3	20

Lab Sample ID: 580-126667-1 MS

Matrix: Water

Analysis Batch: 425674

Client Sample ID: 0425-01

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	0.919		mg/L		92	80 - 120		
Arsenic	0.0060		1.00	1.00		mg/L		100	80 - 120		
Barium	0.026		1.00	0.976		mg/L		95	80 - 120		
Beryllium	ND		1.00	1.01		mg/L		101	80 - 120		
Cadmium	ND		1.00	0.955		mg/L		96	80 - 120		
Chromium	0.00017	J	1.00	1.00		mg/L		100	80 - 120		
Cobalt	ND		1.00	1.01		mg/L		101	80 - 120		
Copper	0.0018	J	1.00	1.04		mg/L		104	80 - 120		
Iron	1.3		20.0	20.9		mg/L		98	80 - 120		
Lead	0.000096	J	1.00	0.982		mg/L		98	80 - 120		
Nickel	ND		1.00	1.01		mg/L		101	80 - 120		
Selenium	ND		1.00	0.976		mg/L		98	80 - 120		
Silver	ND		1.00	0.979		mg/L		98	80 - 120		
Thallium	ND		1.00	0.991		mg/L		99	80 - 120		
Vanadium	ND		1.00	0.990		mg/L		99	80 - 120		
Zinc	0.055		1.00	1.05		mg/L		99	80 - 120		

Lab Sample ID: 580-126667-1 MSD

Matrix: Water

Analysis Batch: 425674

Client Sample ID: 0425-01

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	0.947		mg/L		95	80 - 120	3	20
Arsenic	0.0060		1.00	1.04		mg/L		103	80 - 120	4	20
Barium	0.026		1.00	1.01		mg/L		98	80 - 120	3	20
Beryllium	ND		1.00	1.07		mg/L		107	80 - 120	6	20
Cadmium	ND		1.00	0.980		mg/L		98	80 - 120	3	20
Chromium	0.00017	J	1.00	1.03		mg/L		103	80 - 120	2	20
Cobalt	ND		1.00	1.04		mg/L		104	80 - 120	3	20
Copper	0.0018	J	1.00	1.07		mg/L		106	80 - 120	3	20
Iron	1.3		20.0	21.4		mg/L		100	80 - 120	2	20
Lead	0.000096	J	1.00	1.02		mg/L		102	80 - 120	4	20
Nickel	ND		1.00	1.04		mg/L		104	80 - 120	3	20
Selenium	ND		1.00	1.01		mg/L		101	80 - 120	4	20
Silver	ND		1.00	1.00		mg/L		100	80 - 120	2	20
Thallium	ND		1.00	1.03		mg/L		103	80 - 120	4	20
Vanadium	ND		1.00	1.01		mg/L		101	80 - 120	2	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-126667-1 MSD

Matrix: Water

Analysis Batch: 425674

Client Sample ID: 0425-01

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	0.055		1.00	1.07		mg/L		102	80 - 120	2	20

Lab Sample ID: 580-126667-1 DU

Matrix: Water

Analysis Batch: 425674

Client Sample ID: 0425-01

Prep Type: Total Recoverable

Prep Batch: 425532

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	ND		ND		mg/L		NC	20
Arsenic	0.0060		0.00612		mg/L		1	20
Barium	0.026		0.0266		mg/L		3	20
Beryllium	ND		ND		mg/L		NC	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	0.00017	J	ND		mg/L		NC	20
Cobalt	ND		ND		mg/L		NC	20
Copper	0.0018	J	0.000937	J F5	mg/L		64	20
Iron	1.3		1.30		mg/L		2	20
Lead	0.000096	J	0.0000660	J F5	mg/L		37	20
Nickel	ND		ND		mg/L		NC	20
Selenium	ND		ND		mg/L		NC	20
Silver	ND		ND		mg/L		NC	20
Thallium	ND		ND		mg/L		NC	20
Vanadium	ND		ND		mg/L		NC	20
Zinc	0.055		0.0549		mg/L		0.3	20

Lab Sample ID: MB 580-425642/24-A

Matrix: Water

Analysis Batch: 425774

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 425642

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		05/10/23 16:53	05/11/23 15:00	1
Arsenic	ND		0.0010	0.00020	mg/L		05/10/23 16:53	05/11/23 15:00	1
Barium	ND		0.0012	0.00021	mg/L		05/10/23 16:53	05/11/23 15:00	1
Beryllium	ND		0.00040	0.00011	mg/L		05/10/23 16:53	05/11/23 15:00	1
Cadmium	ND		0.00040	0.000037	mg/L		05/10/23 16:53	05/11/23 15:00	1
Chromium	ND		0.00080	0.00017	mg/L		05/10/23 16:53	05/11/23 15:00	1
Cobalt	ND		0.00040	0.000039	mg/L		05/10/23 16:53	05/11/23 15:00	1
Copper	ND		0.0020	0.00060	mg/L		05/10/23 16:53	05/11/23 15:00	1
Iron	ND		0.10	0.013	mg/L		05/10/23 16:53	05/11/23 15:00	1
Lead	ND		0.00040	0.000040	mg/L		05/10/23 16:53	05/11/23 15:00	1
Nickel	ND		0.0030	0.00013	mg/L		05/10/23 16:53	05/11/23 15:00	1
Selenium	ND		0.0080	0.0021	mg/L		05/10/23 16:53	05/11/23 15:00	1
Silver	ND		0.00040	0.000025	mg/L		05/10/23 16:53	05/11/23 15:00	1
Thallium	ND		0.0010	0.000029	mg/L		05/10/23 16:53	05/11/23 15:00	1
Vanadium	ND		0.0040	0.00046	mg/L		05/10/23 16:53	05/11/23 15:00	1
Zinc	ND		0.0070	0.00093	mg/L		05/10/23 16:53	05/11/23 15:00	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-425642/25-A
Matrix: Water
Analysis Batch: 425774

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 425642

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.954		mg/L		95	80 - 120
Arsenic	1.00	0.947		mg/L		95	80 - 120
Barium	1.00	0.951		mg/L		95	80 - 120
Beryllium	1.00	0.954		mg/L		95	80 - 120
Cadmium	1.00	0.968		mg/L		97	80 - 120
Chromium	1.00	0.983		mg/L		98	80 - 120
Cobalt	1.00	0.966		mg/L		97	80 - 120
Copper	1.00	0.970		mg/L		97	80 - 120
Iron	20.0	19.7		mg/L		98	80 - 120
Lead	1.00	0.958		mg/L		96	80 - 120
Nickel	1.00	0.970		mg/L		97	80 - 120
Selenium	1.00	0.986		mg/L		99	80 - 120
Silver	1.00	0.985		mg/L		99	80 - 120
Thallium	1.00	0.951		mg/L		95	80 - 120
Vanadium	1.00	0.975		mg/L		97	80 - 120
Zinc	1.00	0.974		mg/L		97	80 - 120

Lab Sample ID: LCSD 580-425642/26-A
Matrix: Water
Analysis Batch: 425774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 425642

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.972		mg/L		97	80 - 120	2	20
Arsenic	1.00	0.960		mg/L		96	80 - 120	1	20
Barium	1.00	0.964		mg/L		96	80 - 120	1	20
Beryllium	1.00	0.980		mg/L		98	80 - 120	3	20
Cadmium	1.00	0.990		mg/L		99	80 - 120	2	20
Chromium	1.00	0.990		mg/L		99	80 - 120	1	20
Cobalt	1.00	0.982		mg/L		98	80 - 120	2	20
Copper	1.00	0.983		mg/L		98	80 - 120	1	20
Iron	20.0	19.9		mg/L		100	80 - 120	1	20
Lead	1.00	0.971		mg/L		97	80 - 120	1	20
Nickel	1.00	0.985		mg/L		99	80 - 120	2	20
Selenium	1.00	0.955		mg/L		95	80 - 120	3	20
Silver	1.00	1.01		mg/L		101	80 - 120	2	20
Thallium	1.00	0.960		mg/L		96	80 - 120	1	20
Vanadium	1.00	0.978		mg/L		98	80 - 120	0	20
Zinc	1.00	0.984		mg/L		98	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-424980/3
Matrix: Water
Analysis Batch: 424980

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.030	mg/L			05/02/23 10:09	1
Chloride	ND		1.5	0.43	mg/L			05/02/23 10:09	1
Sulfate	ND		1.5	0.80	mg/L			05/02/23 10:09	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-424980/4

Matrix: Water

Analysis Batch: 424980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.59		mg/L		92	90 - 110
Chloride	50.0	52.4		mg/L		105	90 - 110
Sulfate	50.0	48.8		mg/L		98	90 - 110

Lab Sample ID: LCSD 580-424980/5

Matrix: Water

Analysis Batch: 424980

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	4.60		mg/L		92	90 - 110	0	15
Chloride	50.0	52.5		mg/L		105	90 - 110	0	15
Sulfate	50.0	48.9		mg/L		98	90 - 110	0	15

Lab Sample ID: 580-126667-1 MS

Matrix: Water

Analysis Batch: 424980

Client Sample ID: 0425-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND		5.00	5.06		mg/L		101	90 - 110
Chloride	25		50.0	75.8		mg/L		102	90 - 110
Sulfate	24		50.0	75.4		mg/L		103	90 - 110

Lab Sample ID: 580-126667-1 MSD

Matrix: Water

Analysis Batch: 424980

Client Sample ID: 0425-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	ND		5.00	5.15		mg/L		103	90 - 110	2	15
Chloride	25		50.0	75.8		mg/L		102	90 - 110	0	15
Sulfate	24		50.0	75.3		mg/L		103	90 - 110	0	15

Lab Sample ID: MB 580-424982/3

Matrix: Water

Analysis Batch: 424982

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.030	mg/L			05/02/23 20:42	1
Chloride	ND		1.5	0.43	mg/L			05/02/23 20:42	1
Sulfate	ND		1.5	0.80	mg/L			05/02/23 20:42	1

Lab Sample ID: LCS 580-424982/4

Matrix: Water

Analysis Batch: 424982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.74		mg/L		95	90 - 110
Chloride	50.0	52.3		mg/L		105	90 - 110
Sulfate	50.0	50.3		mg/L		101	90 - 110

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 580-424982/5

Matrix: Water

Analysis Batch: 424982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	4.77		mg/L		95	90 - 110	1	15
Chloride	50.0	52.3		mg/L		105	90 - 110	0	15
Sulfate	50.0	50.3		mg/L		101	90 - 110	0	15

Lab Sample ID: 580-126667-12 MS

Matrix: Water

Analysis Batch: 424982

Client Sample ID: 0427-12

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	ND		5.00	5.13		mg/L		103	90 - 110		
Chloride	77	F1	50.0	118	F1	mg/L		81	90 - 110		
Sulfate	32		50.0	83.2		mg/L		103	90 - 110		

Lab Sample ID: 580-126667-12 MSD

Matrix: Water

Analysis Batch: 424982

Client Sample ID: 0427-12

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	ND		5.00	5.12		mg/L		102	90 - 110	0	15
Chloride	77	F1	50.0	118	F1	mg/L		81	90 - 110	0	15
Sulfate	32		50.0	83.2		mg/L		103	90 - 110	0	15

Lab Sample ID: MB 580-425135/3

Matrix: Water

Analysis Batch: 425135

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.030	mg/L			05/04/23 13:54	1
Chloride	ND		1.5	0.43	mg/L			05/04/23 13:54	1
Sulfate	ND		1.5	0.80	mg/L			05/04/23 13:54	1

Lab Sample ID: LCS 580-425135/4

Matrix: Water

Analysis Batch: 425135

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	5.28		mg/L		106	90 - 110		
Chloride	50.0	51.7		mg/L		103	90 - 110		
Sulfate	50.0	50.5		mg/L		101	90 - 110		

Lab Sample ID: LCSD 580-425135/5

Matrix: Water

Analysis Batch: 425135

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	5.29		mg/L		106	90 - 110	0	15
Chloride	50.0	51.8		mg/L		104	90 - 110	0	15
Sulfate	50.0	50.7		mg/L		101	90 - 110	0	15

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-329065/5-A
Matrix: Water
Analysis Batch: 329083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 329065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075	0.032	mg/L		05/15/23 11:30	05/15/23 13:12	1

Lab Sample ID: LCS 570-329065/6-A
Matrix: Water
Analysis Batch: 329083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 329065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.500	0.493		mg/L		99	90 - 110

Lab Sample ID: LCSD 570-329065/7-A
Matrix: Water
Analysis Batch: 329083

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 329065

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.500	0.494		mg/L		99	90 - 110	0	20

Lab Sample ID: 580-126667-1 MS
Matrix: Water
Analysis Batch: 329083

Client Sample ID: 0425-01
Prep Type: Total/NA
Prep Batch: 329065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.046	J	0.500	0.518		mg/L		94	90 - 110

Lab Sample ID: 580-126667-1 MSD
Matrix: Water
Analysis Batch: 329083

Client Sample ID: 0425-01
Prep Type: Total/NA
Prep Batch: 329065

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.046	J	0.500	0.515		mg/L		94	90 - 110	1	25

Lab Sample ID: 580-126667-11 MS
Matrix: Water
Analysis Batch: 329083

Client Sample ID: 0427-11
Prep Type: Total/NA
Prep Batch: 329065

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	ND		0.500	0.505		mg/L		101	90 - 110

Lab Sample ID: 580-126667-11 MSD
Matrix: Water
Analysis Batch: 329083

Client Sample ID: 0427-11
Prep Type: Total/NA
Prep Batch: 329065

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND		0.500	0.501		mg/L		100	90 - 110	1	25

Lab Sample ID: MB 570-329067/5-A
Matrix: Water
Analysis Batch: 329083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 329067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075	0.032	mg/L		05/15/23 11:55	05/15/23 14:06	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: LCS 570-329067/6-A
Matrix: Water
Analysis Batch: 329083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 329067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.500	0.469		mg/L		94	90 - 110

Lab Sample ID: LCSD 570-329067/7-A
Matrix: Water
Analysis Batch: 329083

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 329067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.500	0.473		mg/L		95	90 - 110	1	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-375287/120
Matrix: Water
Analysis Batch: 375287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			05/12/23 11:30	1

Lab Sample ID: MB 410-375287/153
Matrix: Water
Analysis Batch: 375287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			05/12/23 12:36	1

Lab Sample ID: MB 410-375287/186
Matrix: Water
Analysis Batch: 375287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			05/12/23 13:42	1

Lab Sample ID: MB 410-375287/21
Matrix: Water
Analysis Batch: 375287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			05/12/23 08:12	1

Lab Sample ID: MB 410-375287/54
Matrix: Water
Analysis Batch: 375287

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			05/12/23 09:18	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: MB 410-375287/87

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			05/12/23 10:24	1

Lab Sample ID: LCS 410-375287/118

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.25		mg/L		90	90 - 110

Lab Sample ID: LCS 410-375287/152

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.27		mg/L		91	90 - 110

Lab Sample ID: LCS 410-375287/185

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.24		mg/L		90	90 - 110

Lab Sample ID: LCS 410-375287/19

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.36		mg/L		94	90 - 110

Lab Sample ID: LCS 410-375287/52

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.35		mg/L		94	90 - 110

Lab Sample ID: LCSD 410-375287/119

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.34		mg/L		94	90 - 110	4	20

Lab Sample ID: LCSD 410-375287/20

Matrix: Water

Analysis Batch: 375287

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.40		mg/L		96	90 - 110	2	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: LCSD 410-375287/53
Matrix: Water
Analysis Batch: 375287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.40		mg/L		96	90 - 110	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-425095/2
Matrix: Water
Analysis Batch: 425095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	92.3		mg/L		92	85 - 115

Lab Sample ID: LCS 580-425228/2
Matrix: Water
Analysis Batch: 425228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	101		mg/L		101	85 - 115

Lab Sample ID: LCSD 580-425228/3
Matrix: Water
Analysis Batch: 425228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	100	104		mg/L		104	85 - 115	2	20

Lab Sample ID: 580-126667-14 DU
Matrix: Water
Analysis Batch: 425228

Client Sample ID: 0427-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	410		386		mg/L		5	17
Bicarbonate Alkalinity as CaCO3	410		386		mg/L		5	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20
Hydroxide Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Lab Sample ID: LCS 580-425252/2
Matrix: Water
Analysis Batch: 425252

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	96.7		mg/L		97	85 - 115

Lab Sample ID: 580-126667-21 DU
Matrix: Water
Analysis Batch: 425252

Client Sample ID: 0426-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	540		554		mg/L		2	17
Bicarbonate Alkalinity as CaCO3	540		554		mg/L		2	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 580-126667-21 DU

Matrix: Water

Analysis Batch: 425252

Client Sample ID: 0426-21

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Hydroxide Alkalinity as CaCO ₃	ND		ND		mg/L		NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-424785/1

Matrix: Water

Analysis Batch: 424785

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	10	mg/L			05/02/23 16:35	1

Lab Sample ID: LCS 580-424785/2

Matrix: Water

Analysis Batch: 424785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1180		mg/L		118	80 - 120

Lab Sample ID: 580-126667-1 DU

Matrix: Water

Analysis Batch: 424785

Client Sample ID: 0425-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	670		551		mg/L		20	20

Lab Sample ID: MB 580-424908/1

Matrix: Water

Analysis Batch: 424908

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	10	mg/L			05/03/23 15:23	1

Lab Sample ID: LCS 580-424908/2

Matrix: Water

Analysis Batch: 424908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	954		mg/L		95	80 - 120

Lab Sample ID: 580-126667-9 DU

Matrix: Water

Analysis Batch: 424908

Client Sample ID: 0427-09

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	620		661		mg/L		6	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 580-424974/1
Matrix: Water
Analysis Batch: 424974

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	10	mg/L			05/04/23 10:47	1

Lab Sample ID: LCS 580-424974/2
Matrix: Water
Analysis Batch: 424974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1120		mg/L		112	80 - 120

Method: SM 5220D - COD

Lab Sample ID: MB 580-425086/3-A
Matrix: Water
Analysis Batch: 425105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425086

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	10	mg/L		05/04/23 17:51	05/04/23 22:11	1

Lab Sample ID: LCS 580-425086/4-A
Matrix: Water
Analysis Batch: 425105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425086

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	72.3		mg/L		96	80 - 120

Lab Sample ID: LCSD 580-425086/5-A
Matrix: Water
Analysis Batch: 425105

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 425086

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	70.7		mg/L		94	80 - 120	2	20

Lab Sample ID: MB 580-425251/3-A
Matrix: Water
Analysis Batch: 425256

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 425251

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	10	mg/L		05/06/23 17:00	05/06/23 20:59	1

Lab Sample ID: LCS 580-425251/4-A
Matrix: Water
Analysis Batch: 425256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 425251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	74.6		mg/L		99	80 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-425251/5-A

Matrix: Water

Analysis Batch: 425256

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 425251

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	74.0		mg/L		99	80 - 120	1	20

Lab Sample ID: 580-126667-13 MS

Matrix: Water

Analysis Batch: 425256

Client Sample ID: 0427-13

Prep Type: Total/NA

Prep Batch: 425251

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND	F1	25.0	34.6	F1	mg/L		138	75 - 125

Lab Sample ID: 580-126667-13 DU

Matrix: Water

Analysis Batch: 425256

Client Sample ID: 0427-13

Prep Type: Total/NA

Prep Batch: 425251

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chemical Oxygen Demand	ND	F1	ND		mg/L		NC	20

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-328399/33

Matrix: Water

Analysis Batch: 328399

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		0.50	0.26	mg/L			05/11/23 10:50	1

Lab Sample ID: LCS 570-328399/34

Matrix: Water

Analysis Batch: 328399

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	5.03	4.43		mg/L		88	85 - 115

Lab Sample ID: LCSD 570-328399/35

Matrix: Water

Analysis Batch: 328399

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	5.03	4.38		mg/L		87	85 - 115	1	20

Lab Sample ID: 580-126667-11 MS

Matrix: Water

Analysis Batch: 328399

Client Sample ID: 0427-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	1.9		5.03	6.64		mg/L		94	31 - 145

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: SM 5310D - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 580-126667-11 MSD

Matrix: Water

Analysis Batch: 328399

Client Sample ID: 0427-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	1.9		5.03	6.83		mg/L		98	31 - 145	3	20

Lab Sample ID: MB 570-329001/33

Matrix: Water

Analysis Batch: 329001

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		0.50	0.26	mg/L			05/13/23 08:17	1

Lab Sample ID: MB 570-329001/4

Matrix: Water

Analysis Batch: 329001

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		0.50	0.26	mg/L			05/12/23 18:09	1

Lab Sample ID: LCS 570-329001/34

Matrix: Water

Analysis Batch: 329001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	5.03	4.70		mg/L		93	85 - 115

Lab Sample ID: LCS 570-329001/5

Matrix: Water

Analysis Batch: 329001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	5.03	4.68		mg/L		93	85 - 115

Lab Sample ID: LCSD 570-329001/35

Matrix: Water

Analysis Batch: 329001

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	5.03	4.70		mg/L		93	85 - 115	0	20

Lab Sample ID: LCSD 570-329001/6

Matrix: Water

Analysis Batch: 329001

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	5.03	4.71		mg/L		94	85 - 115	1	20

Lab Sample ID: 580-126667-1 MS

Matrix: Water

Analysis Batch: 329001

Client Sample ID: 0425-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	0.75		5.03	6.48		mg/L		114	31 - 145

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: 580-126667-1 MSD

Matrix: Water

Analysis Batch: 329001

Client Sample ID: 0425-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	0.75		5.03	6.38		mg/L		112	31 - 145	2	20

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-01

Date Collected: 04/25/23 14:20

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 21:22
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 02:52
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 13:22
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 13:39
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 15:14
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:18
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 09:26
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 19:09
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/12/23 20:16

Client Sample ID: 0427-02

Date Collected: 04/27/23 09:10

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 02:47
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 09:32
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 13:49
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:09
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 15:49
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:20
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 09:28
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424974	AUA	EET SEA	05/04/23 10:47
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/12/23 21:38

Client Sample ID: 0425-03

Date Collected: 04/25/23 13:10

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 21:44

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-03

Date Collected: 04/25/23 13:10

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 03:18
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 15:01
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:11
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 16:01
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:21
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 09:30
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 19:09
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/12/23 22:01

Client Sample ID: 0425-04

Date Collected: 04/25/23 16:36

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 22:06
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 03:45
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 13:57
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:14
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 16:12
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:23
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 11:42
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 19:09
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/12/23 22:27

Client Sample ID: 0428-05

Date Collected: 04/28/23 09:51

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425054	JBT	EET SEA	05/05/23 06:19
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 18:50

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0428-05

Date Collected: 04/28/23 09:51

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:00
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:17
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 16:24
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:24
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 11:44
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424974	AUA	EET SEA	05/04/23 10:47
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/12/23 22:53

Client Sample ID: 0426-06

Date Collected: 04/26/23 15:25

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 01:42
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 08:09
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:04
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:19
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 16:36
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:26
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 11:50
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/12/23 23:19

Client Sample ID: 0425-07

Date Collected: 04/25/23 11:50

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 22:27
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 04:11

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-07

Date Collected: 04/25/23 11:50

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:07
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:22
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 16:47
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:27
Total/NA	Analysis	353.2		10	375287	Q3HN	ELLE	05/12/23 14:14
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/12/23 23:45

Client Sample ID: 0425-08

Date Collected: 04/25/23 11:00

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 22:49
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 04:38
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:11
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:25
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 16:59
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:29
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 11:54
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 00:11

Client Sample ID: 0427-09

Date Collected: 04/27/23 14:06

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 03:09
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 09:58

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-09

Date Collected: 04/27/23 14:06

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:14
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:27
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 17:34
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:30
Total/NA	Analysis	353.2		10	375287	Q3HN	ELLE	05/12/23 09:32
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 00:37

Client Sample ID: 0427-10

Date Collected: 04/27/23 13:03

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 03:31
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 10:24
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:18
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:30
Total/NA	Analysis	300.0		1	424980	CA	EET SEA	05/02/23 17:46
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:32
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 09:38
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 01:14

Client Sample ID: 0427-11

Date Collected: 04/27/23 11:39

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 21:17
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 10:50

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-11

Date Collected: 04/27/23 11:39

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:29
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:33
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 21:18
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:41
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 09:40
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	328399	ZL4M	EET CAL 4	05/11/23 12:57

Client Sample ID: 0427-12

Date Collected: 04/27/23 13:16

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 20:55
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 11:16
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:33
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:49
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 21:41
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:42
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 11:56
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425086	MLT	EET SEA	05/04/23 17:51
Total/NA	Analysis	SM 5220D		1	425105	MLT	EET SEA	05/04/23 22:11
Total/NA	Analysis	SM 5310D		1	328399	ZL4M	EET CAL 4	05/11/23 13:23

Client Sample ID: 0427-13

Date Collected: 04/27/23 14:10

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 18:24
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 19:16

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-13

Date Collected: 04/27/23 14:10

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:36
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:52
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 22:16
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:44
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 09:42
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	328399	ZL4M	EET CAL 4	05/11/23 13:49

Client Sample ID: 0427-14

Date Collected: 04/27/23 10:23

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 18:45
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 19:42
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:40
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:54
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 22:28
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:45
Total/NA	Analysis	353.2		20	375287	Q3HN	ELLE	05/12/23 11:58
Total/NA	Analysis	SM 2320B		1	425228	FCG	EET SEA	05/05/23 20:53
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	328399	ZL4M	EET CAL 4	05/11/23 14:15

Client Sample ID: 0427-15

Date Collected: 04/27/23 12:54

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 19:07
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 20:09

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-15

Date Collected: 04/27/23 12:54

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			424778	JL	EET SEA	05/02/23 15:31
Dissolved	Prep	3005A			424925	JL	EET SEA	05/03/23 17:01
Dissolved	Analysis	6010D		1	425137	JLS	EET SEA	05/04/23 15:50
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 14:57
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 23:03
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:47
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:06
Total/NA	Analysis	SM 2320B		1	425252	MLT	EET SEA	05/06/23 18:13
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	328399	ZL4M	EET CAL 4	05/11/23 14:41

Client Sample ID: 0425-16

Date Collected: 04/25/23 14:34

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 23:11
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 05:04
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:43
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 15:00
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 23:15
Total/NA	Analysis	300.0		10	424982	CA	EET SEA	05/02/23 23:26
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:48
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:08
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	328399	ZL4M	EET CAL 4	05/11/23 15:14

Client Sample ID: 0425-17

Date Collected: 04/25/23 13:20

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 23:32

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-17

Date Collected: 04/25/23 13:20

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 05:30
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:47
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 15:02
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 23:38
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:50
Total/NA	Analysis	353.2		5	375287	Q3HN	ELLE	05/12/23 09:44
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	328399	ZL4M	EET CAL 4	05/11/23 15:40

Client Sample ID: 0425-18

Date Collected: 04/25/23 12:33

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/03/23 23:54
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 05:56
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:50
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:26
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 15:05
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/02/23 23:50
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:51
Total/NA	Analysis	353.2		10	375287	Q3HN	ELLE	05/12/23 12:14
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 02:38

Client Sample ID: 0425-19

Date Collected: 04/25/23 11:23

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 00:16
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 06:22

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-19

Date Collected: 04/25/23 11:23

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:54
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:27
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 15:08
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 00:01
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:53
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:16
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 03:03

Client Sample ID: 0425-20

Date Collected: 04/25/23 10:37

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 00:37
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 06:48
Dissolved	Prep	3005A			425533	JLS	EET SEA	05/09/23 16:29
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 14:57
Total Recoverable	Prep	3005A			425532	JLS	EET SEA	05/09/23 16:27
Total Recoverable	Analysis	6020B		1	425674	FCW	EET SEA	05/10/23 15:10
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 00:13
Total/NA	Prep	Distill/Ammonia			329065	UXCH	EET CAL 4	05/15/23 11:30
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 13:54
Total/NA	Analysis	353.2		10	375287	Q3HN	ELLE	05/12/23 12:18
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 03:41

Client Sample ID: 0426-21

Date Collected: 04/26/23 15:30

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 02:04
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 08:42

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0426-21

Date Collected: 04/26/23 15:30

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425644	JLS	EET SEA	05/10/23 17:00
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 15:27
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:41
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 00:25
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:15
Total/NA	Analysis	353.2		20	375287	Q3HN	ELLE	05/12/23 12:20
Total/NA	Analysis	SM 2320B		1	425252	MLT	EET SEA	05/06/23 18:13
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 04:04

Client Sample ID: 0426-22

Date Collected: 04/26/23 16:13

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 02:26
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 09:06
Dissolved	Prep	3005A			425644	JLS	EET SEA	05/10/23 17:00
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 15:54
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:44
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 00:37
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:17
Total/NA	Analysis	353.2		10	375287	Q3HN	ELLE	05/12/23 12:22
Total/NA	Analysis	SM 2320B		1	425252	MLT	EET SEA	05/06/23 18:13
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 04:30

Client Sample ID: 0427-23

Date Collected: 04/27/23 08:56

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 19:29
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 20:35

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-23

Date Collected: 04/27/23 08:56

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			425644	JLS	EET SEA	05/10/23 17:00
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 15:58
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:46
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 00:48
Total/NA	Analysis	300.0		10	425135	CA	EET SEA	05/04/23 18:46
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:18
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:24
Total/NA	Analysis	SM 2320B		1	425252	MLT	EET SEA	05/06/23 18:13
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 04:56

Client Sample ID: 0427-24

Date Collected: 04/27/23 09:40

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		20	375287	Q3HN	ELLE	05/12/23 12:26

Client Sample ID: 0427-25

Date Collected: 04/27/23 17:10

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 19:50
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 17:06
Dissolved	Filtration	FILTRATION			424778	JL	EET SEA	05/02/23 15:31
Dissolved	Prep	3005A			424925	JL	EET SEA	05/03/23 17:01
Dissolved	Analysis	6010D		1	425137	JLS	EET SEA	05/04/23 16:10
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:49
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 01:23
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:20
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:44
Total/NA	Analysis	SM 2320B		1	425252	MLT	EET SEA	05/06/23 18:13
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 05:22

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0427-26

Date Collected: 04/27/23 11:35

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 20:12
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 17:32
Dissolved	Prep	3005A			425644	JLS	EET SEA	05/10/23 17:00
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 16:01
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:38
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 01:35
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:21
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:46
Total/NA	Analysis	SM 2320B		1	425252	MLT	EET SEA	05/06/23 18:13
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:00
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 05:48

Client Sample ID: 0427-27

Date Collected: 04/27/23 10:40

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425036	JJY	EET SEA	05/04/23 20:34
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 17:58
Dissolved	Prep	3005A			425644	JLS	EET SEA	05/10/23 17:00
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 16:05
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:52
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 01:47
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:23
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:48
Total/NA	Analysis	SM 2320B		1	425252	MLT	EET SEA	05/06/23 18:13
Total/NA	Analysis	SM 2540C		1	424908	DLV	EET SEA	05/03/23 15:23
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:01
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 06:13

Client Sample ID: 0425-28

Date Collected: 04/25/23 13:35

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 00:59

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Client Sample ID: 0425-28

Date Collected: 04/25/23 13:35

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 07:14
Dissolved	Prep	3005A			425644	JLS	EET SEA	05/10/23 17:00
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 16:08
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:54
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 01:58
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:24
Total/NA	Analysis	353.2		2	375287	Q3HN	ELLE	05/12/23 12:50
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:01
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 06:39

Client Sample ID: 0425-29

Date Collected: 04/25/23 11:43

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	424857	JJY	EET SEA	05/04/23 01:21
Total/NA	Analysis	8260D SIM		1	424889	JJY	EET SEA	05/04/23 07:43
Dissolved	Prep	3005A			425644	JLS	EET SEA	05/10/23 17:00
Dissolved	Analysis	6010D		1	425804	JLS	EET SEA	05/11/23 16:12
Total Recoverable	Prep	3005A			425642	JLS	EET SEA	05/10/23 16:53
Total Recoverable	Analysis	6020B		1	425774	FCW	EET SEA	05/11/23 15:57
Total/NA	Analysis	300.0		1	424982	CA	EET SEA	05/03/23 02:10
Total/NA	Prep	Distill/Ammonia			329067	UXCH	EET CAL 4	05/15/23 11:55
Total/NA	Analysis	350.1		1	329083	UXCH	EET CAL 4	05/15/23 14:26
Total/NA	Analysis	353.2		1	375287	Q3HN	ELLE	05/12/23 12:56
Total/NA	Analysis	SM 2320B		1	425095	MLT	EET SEA	05/04/23 21:31
Total/NA	Analysis	SM 2540C		1	424785	DLV	EET SEA	05/02/23 16:35
Total/NA	Prep	SM 5220			425251	MLT	EET SEA	05/06/23 17:01
Total/NA	Analysis	SM 5220D		1	425256	MLT	EET SEA	05/06/23 20:59
Total/NA	Analysis	SM 5310D		1	329001	ZL4M	EET CAL 4	05/13/23 20:57

Client Sample ID: Trip Blanks

Date Collected: 04/28/23 00:00

Date Received: 05/01/23 14:00

Lab Sample ID: 580-126667-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	425054	JBT	EET SEA	05/05/23 05:57
Total/NA	Analysis	8260D SIM		1	425033	JJY	EET SEA	05/04/23 18:25

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Laboratory References:
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

1
2
3
4
5
6
7
8
9
10
11

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Sulfate
8260D SIM		Water	Vinyl chloride
SM 2320B		Water	Alkalinity
SM 2320B		Water	Bicarbonate Alkalinity as CaCO ₃
SM 2320B		Water	Carbonate Alkalinity as CaCO ₃
SM 2320B		Water	Hydroxide Alkalinity as CaCO ₃
SM 2540C		Water	Total Dissolved Solids

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-23
California	Los Angeles County Sanitation Districts	10109	07-31-23
California	SCAQMD LAP	17LA0919	11-30-23
California	State	3082	07-31-24
Kansas	NELAP	E-10420	07-31-23
Nevada	State	CA00111	08-01-23
Oregon	NELAP	4175	02-02-24
USDA	US Federal Programs	P330-22-00059	05-24-23
Washington	State	C916-18	10-11-23

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-24
A2LA	ISO/IEC 17025	0001.01	11-30-24
Alaska	State	PA00009	06-30-23
Alaska (UST)	State	17-027	02-28-24
Arizona	State	AZ0780	03-12-24
Arkansas DEQ	State	88-00660	08-09-23
California	State	2792	11-30-23
Colorado	State	PA00009	06-30-23
Connecticut	State	PH-0746	06-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-24
Delaware (DW)	State	N/A	01-31-24
Florida	NELAP	E87997	07-02-23
Georgia (DW)	State	C048	01-31-24
Hawaii	State	N/A	01-31-24
Illinois	NELAP	200027	01-31-24
Iowa	State	361	03-01-24
Kansas	NELAP	E-10151	10-31-23
Kentucky (DW)	State	KY90088	12-31-23

Eurofins Seattle

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Kentucky (UST)	State	0001.01	11-30-24
Kentucky (WW)	State	KY90088	12-31-23
Louisiana (All)	NELAP	02055	06-30-23
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-23
Massachusetts	State	M-PA009	06-30-23
Michigan	State	9930	01-31-24
Minnesota	NELAP	042-999-487	12-31-23
Mississippi	State	023	01-31-24
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-24
Nebraska	State	NE-OS-32-17	01-31-24
New Hampshire	NELAP	2730	01-10-24
New Jersey	NELAP	PA011	06-30-23
New York	NELAP	10670	04-01-24
North Carolina (DW)	State	42705	07-31-23
North Carolina (WW/SW)	State	521	12-31-23
North Dakota	State	R-205	01-31-24
Oklahoma	NELAP	R-205	08-31-23
Oregon	NELAP	PA200001	09-11-23
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-24
Rhode Island	State	LAO00338	12-31-23
South Carolina	State	89002	01-31-24
Tennessee	State	02838	01-31-24
Texas	NELAP	T104704194-22-45	08-31-23
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-23
Virginia	NELAP	460182	06-14-23
West Virginia (DW)	State	9906 C	12-31-23
West Virginia DEP	State	055	07-31-23
Wyoming	State	8TMS-L	01-31-24
Wyoming (UST)	A2LA	0001.01	11-30-24

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-126667-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-126667-1	0425-01	Water	04/25/23 14:20	05/01/23 14:00
580-126667-2	0427-02	Water	04/27/23 09:10	05/01/23 14:00
580-126667-3	0425-03	Water	04/25/23 13:10	05/01/23 14:00
580-126667-4	0425-04	Water	04/25/23 16:36	05/01/23 14:00
580-126667-5	0428-05	Water	04/28/23 09:51	05/01/23 14:00
580-126667-6	0426-06	Water	04/26/23 15:25	05/01/23 14:00
580-126667-7	0425-07	Water	04/25/23 11:50	05/01/23 14:00
580-126667-8	0425-08	Water	04/25/23 11:00	05/01/23 14:00
580-126667-9	0427-09	Water	04/27/23 14:06	05/01/23 14:00
580-126667-10	0427-10	Water	04/27/23 13:03	05/01/23 14:00
580-126667-11	0427-11	Water	04/27/23 11:39	05/01/23 14:00
580-126667-12	0427-12	Water	04/27/23 13:16	05/01/23 14:00
580-126667-13	0427-13	Water	04/27/23 14:10	05/01/23 14:00
580-126667-14	0427-14	Water	04/27/23 10:23	05/01/23 14:00
580-126667-15	0427-15	Water	04/27/23 12:54	05/01/23 14:00
580-126667-16	0425-16	Water	04/25/23 14:34	05/01/23 14:00
580-126667-17	0425-17	Water	04/25/23 13:20	05/01/23 14:00
580-126667-18	0425-18	Water	04/25/23 12:33	05/01/23 14:00
580-126667-19	0425-19	Water	04/25/23 11:23	05/01/23 14:00
580-126667-20	0425-20	Water	04/25/23 10:37	05/01/23 14:00
580-126667-21	0426-21	Water	04/26/23 15:30	05/01/23 14:00
580-126667-22	0426-22	Water	04/26/23 16:13	05/01/23 14:00
580-126667-23	0427-23	Water	04/27/23 08:56	05/01/23 14:00
580-126667-24	0427-24	Water	04/27/23 09:40	05/01/23 14:00
580-126667-25	0427-25	Water	04/27/23 17:10	05/01/23 14:00
580-126667-26	0427-26	Water	04/27/23 11:35	05/01/23 14:00
580-126667-27	0427-27	Water	04/27/23 10:40	05/01/23 14:00
580-126667-28	0425-28	Water	04/25/23 13:35	05/01/23 14:00
580-126667-29	0425-29	Water	04/25/23 11:43	05/01/23 14:00
580-126667-30	Trip Blanks	Water	04/28/23 00:00	05/01/23 14:00

Environment Testing

[illegible]

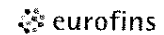
Eurofins Seattle

5755 8th Street East

Tacoma, WA 98424

Phone: 253-922-2310

Chain of Custody Record



Environment Testing

Client Information		Sampler: JE & Ab		Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-55728-17326.2	
Client Contact: Jovany Estrada		Phone:		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin:		Page: 2 of 3	
Company: SCS Engineers		PWSID:		Analysis Requested		Job #: 04223020.00		Preservation Codes:	
Address: 2405 140th Avenue NE Suite 107		Due Date Requested: Standard		Field Filled Sample (Yes or No) Perform MSMSD (Yes or No) S45310D - Total Organic Carbon S220D - COD 350.1 - Nitrogen, Ammonia 2320B, 300.0, 28D 6020B_LL - (MOD) Total Metals 6010D - Field Filtered Metals (Ca, Fe, Mg, Mn, K, Na) 2540C - Solids, Total Dissolved (TDS) 353.2 - (MOD) Nitrogen, Nitrate-Nitrite 8260D - Volatiles 8260 Sim (V only)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		Other:	
City: Bellevue		TAT Requested (days):				Total Number of Containers:		Special Instructions/Note:	
State, Zip: WA, 98005-1877		Compliance Project: ☐ Yes ☐ No							
Phone: 425-766-3362(Tel)		PO #:							
Email: jestrada@scsengineers.com		Purchase Order not required							
Project Name: Coupeville SW Facility GW Q2 2022		Project #:							
Site:		SSOW#:							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=solid, O=waste/soil, BT=Tissue, A=Air)	
								Preservation Code:	
0427-12		4/27/23		1316		G		Water	
0427-13		4/27/23		1410				Water	
0427-14		4/27/23		1023				Water	
0427-15		4/27/23		1254				Water	
0425-16		4/25/23		1434				Water	
0425-17		4/25/23		1436				Water	
0425-18		4/25/23		1333				Water	
0425-19		4/25/23		1233				Water	
0425-20		4/25/23		1037				Water	
0426-21		4/26/23		1530				Water	
0426-22		4/26/23		1613				Water	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)									
Special Instructions/QC Requirements:									
Empty Kit Relinquished by: Date: Time: Method of Shipment:									
Relinquished by: Alex Des20		Date/Time: 5/1/23 10:52		Company: SCS		Received by: [Signature]		Date/Time: 5/1/23 1400	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Environment Testing

Client Information						Sampler: JE + AD						Lab PM: Grant, Katie						Carrier Tracking No(s):																							
Client Contact: Jovany Estrada						Phone:						E-Mail: Katie.Grant@et.eurofinsus.com						State of Origin:																							
Company: SCS Engineers						PWSID:						Analysis Requested						Job #: 04223020.00																							
Address: 2405 140th Avenue NE Suite 107						Due Date Requested: Standard												Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)																							
City: Bellevue						TAT Requested (days):																																			
State, Zip: WA, 98005-1877						Compliance Project: Δ Yes Δ No																																			
Phone: 425-766-3362(Tel)						PO #:																																			
Email: jestrada@scsengineers.com						Purchase Order not required																																			
Project Name: Coupeville SW Facility GW Q2 2022						WO #:						Field Filtered Sample (Yes or No)						Perform MS/MSD (Yes or No)																							
Site:						SSOW#:						SM5310D - Total Organic Carbon						5220D - COD																							
Sample Identification						Sample Date						Sample Time						Sample Type (C=Comp, G=grab)						Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)						Total Number of containers						Special Instructions/Note:					
0427-23						4/27/23						0856						G						Water						YNXSXNXSXSDNS						14 place filter Diss.					
0427-24						4/27/23						0940												Water						↓						1 Metal pot					
0427-25						4/27/23						1710												Water						N						14 0427-25					
0427-26						4/27/23						1135												Water						↓											
0427-27						4/27/23						1040												Water						↓											
0425-28						4/25/23						1335												Water						↓											
0425-29						4/25/23						1433						✓						Water						↓						↓					
Trip Blanks						4/28/23						-						-						Water						NN						x					
																								Water																	
																								Water																	
																								Water																	
																								Water																	
Possible Hazard Identification						Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒ Radiological ☐						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						Return To Client ☐ Disposal By Lab ☒ Archive For _____ Months																							
Deliverable Requested: I, II, III, IV, Other (specify)												Special Instructions/QC Requirements:																													
Empty Kit Relinquished by:						Date:						Time:						Method of Shipment:																							
Relinquished by: ALAN DEAS						Date/Time: 5/1/23 10:52						Company: SCS						Received by: [Signature]						Date/Time: 5/1/23 1400						Company: BOA											
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:											
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:											
Custody Seals Intact: Δ Yes Δ No						Custody Seal No.: _____						Cooler Temperature(s) °C and Other Remarks:																													

1.
Therm. ID: 109 Cor: 1.1 ° Unc: 1.4
Cooler Dsc: BB FedEx: _____
Packing: none UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

2.
Therm. ID: 109 Cor: 3.3 ° Unc: 3.6
Cooler Dsc: BB FedEx: _____
Packing: BB UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

3.
Therm. ID: 109 Cor: 1.5 ° Unc: 1.8
Cooler Dsc: BB FedEx: _____
Packing: BB UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

4.
Therm. ID: 109 Cor: 5.1 ° Unc: 5.4
Cooler Dsc: BB FedEx: _____
Packing: BB UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

5.
Therm. ID: 109 Cor: 3.6 ° Unc: 3.9
Cooler Dsc: BB FedEx: _____
Packing: BB UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

6.
Therm. ID: 109 Cor: 5.0 ° Unc: 5.3
Cooler Dsc: BB FedEx: _____
Packing: none UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

7.
Therm. ID: 109 Cor: 4.0 ° Unc: 4.3
Cooler Dsc: BB FedEx: _____
Packing: BB UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

8.
Therm. ID: 109 Cor: 3.2 ° Unc: 3.5
Cooler Dsc: BB FedEx: _____
Packing: BB UPS: _____
Cust. Seal: Yes No Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____



Environment Testing
TestAmerica

ORIGIN ID: TCHA (253) 922-2310
SAMPLE RECEIVING
EUROFINS FRONTIER GLOBAL - SEATTLE
5755 8TH ST E

SHIP DATE: 02MAY23
ACTWTG: 50.00 LB MAN
CAD: 989746/CAFE3704

FIFE, WA 98424
UNITED STATES US

BILL SENDER

10 SHIPPING/RECEIVING

EUROFINS ENVIRONMENT TESTING SOUTHW
2841 DOW AVENUE, SUITE 100

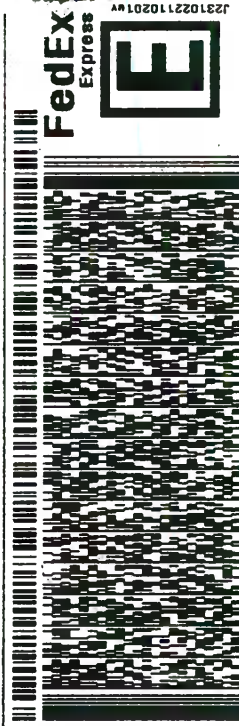
TUSTIN CA 92780

(714) 886-6494
PO: YES

REF: S580-56196



580-126667 Waybill



3 of 3
MPS# 6448 1787 2416

WED - 03 MAY 10:30A
PRIORITY OVERNIGHT

Mstr# 6448 1787 2390

0201

92 DTHA

92780
CA-US SNA



Part # 159471-434 MTW EXP 02/24

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)				Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:											
Client Contact:				Phone:		Grant, Katie		State of Origin:		580-119205.1											
Shipping/Receiving				E-Mail:		Katie.Grant@et.eurofinsus.com		Washington		Page: Page 1 of 4											
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Washington		Job #: 580-126667-1															
Address: 2425 New Holland Pike,				Due Date Requested: 5/15/2023		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)													
City: Lancaster		TAT Requested (days):																			
State, Zip: PA, 17601		PO #:																			
Phone: 717-656-2300(Tel)		WO #:																			
Email:		Project #: 58017834																			
Project Name: Coupeville SW Facility GW Q2 2022				SSOW#:																	
Site:																					
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Trace, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		353.2_Pres		Total Number of containers		Special Instructions/Note:	
0425-01 (580-126667-1)				4/25/23		14:20 Pacific				Water				X						1	
0427-02 (580-126667-2)				4/27/23		09:10 Pacific				Water				X						1	
0425-03 (580-126667-3)				4/25/23		13:10 Pacific				Water				X						1	
0425-04 (580-126667-4)				4/25/23		16:36 Pacific				Water				X						1	
0428-05 (580-126667-5)				4/28/23		09:51 Pacific				Water				X						1	
0426-06 (580-126667-6)				4/26/23		15:25 Pacific				Water				X						1	
0425-07 (580-126667-7)				4/25/23		11:50 Pacific				Water				X						1	
0425-08 (580-126667-8)				4/25/23		11:00 Pacific				Water				X						1	
0427-09 (580-126667-9)				4/27/23		14:06 Pacific				Water				X						1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.																					
Possible Hazard Identification												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed												☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)												Special Instructions/QC Requirements:									
Empty Kit Relinquished by:												Date: _____ Time: _____ Method of Shipment: _____									
Relinquished by: <i>Katie Holten</i>												Date/Time: <i>5/12/23 1600</i> Company: <i>EETNW</i>									
Relinquished by:												Date/Time: _____ Company: _____									
Relinquished by:												Date/Time: _____ Company: _____									
Custody Seals Intact: ☒ Yes ☐ No												Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____									
												1.0									

Environment Testing

Client Information (Sub Contract Lab)				Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-119205.2																																	
Client Contact: Shipping/Receiving				Phone:		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: Washington																																	
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Washington						Page: Page 2 of 4																															
Address: 2425 New Holland Pike,				Due Date Requested: 5/15/2023		Analysis Requested						Job #: 580-126667-1																													
City: Lancaster		TAT Requested (days):		Preservation Codes:																																					
State, Zip: PA, 17601		PO #:		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)																																					
Phone: 717-656-2300(Tel)		WO #:		Other:																																					
Email:		Project #: 58017834																																							
Project Name: Coupeville SW Facility GW Q2 2022				SSOW#:																																					
Site:																																									
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		353.2_Pres		Total Number of containers		Special Instructions/Note:																					
								Preservation Code:																																	
0427-10 (580-126667-10)				4/27/23		13:03 Pacific				Water				X																											
0427-11 (580-126667-11)				4/27/23		11:39 Pacific				Water				X																											
0427-12 (580-126667-12)				4/27/23		13:16 Pacific				Water				X																											
0427-13 (580-126667-13)				4/27/23		14:10 Pacific				Water				X																											
0427-14 (580-126667-14)				4/27/23		10:23 Pacific				Water				X																											
0427-15 (580-126667-15)				4/27/23		12:54 Pacific				Water				X																											
0425-16 (580-126667-16)				4/25/23		14:34 Pacific				Water				X																											
0425-17 (580-126667-17)				4/25/23		13:20 Pacific				Water				X																											
0425-18 (580-126667-18)				4/25/23		12:33 Pacific				Water				X																											
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.																																									
Possible Hazard Identification												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
Unconfirmed												☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																													
Deliverable Requested: I, II, III, IV, Other (specify)												Primary Deliverable Rank: 2																													
												Special Instructions/QC Requirements:																													
Empty Kit Relinquished by:						Date:						Time:						Method of Shipment:																							
Relinquished by: <i>Heather Holder</i>						Date/Time: <i>5/12/23 1600</i>						Company: <i>GETNW</i>						Received by:						Date/Time:						Company:											
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:											
Relinquished by:						Date/Time:						Company:						Received by: <i>SW</i>						Date/Time: <i>5/13/23 9:55</i>						Company: <i>EUET</i>											
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:																				Cooler Temperature(s) °C and Other Remarks:																			
																						<i>1.0</i>																			

Environment Testing

Client Information (Sub Contract Lab)						Sampler:		Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-119205.3																							
Client Contact: Shipping/Receiving						Phone:		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: Washington		Page: Page 3 of 4																							
Company: Eurofins Lancaster Laboratories Environm						Accreditations Required (See note): State - Washington						Job #: 580-126667-1																							
Address: 2425 New Holland Pike,						Due Date Requested: 5/15/2023						Analysis Requested																							
City: Lancaster						TAT Requested (days):																													
State, Zip: PA, 17601																																			
Phone: 717-656-2300(Tel)						PO #:																													
Email:						WO #:																													
Project Name: Coupeville SW Facility GW Q2 2022						Project #: 58017834						Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:																							
Site:						SSOW#:																													
Sample Identification - Client ID (Lab ID)						Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers		Special Instructions/Note:															
0425-19 (580-126667-19)						4/25/23		11:23 Pacific				Water				X				1															
0425-20 (580-126667-20)						4/25/23		10:37 Pacific				Water				X				1															
0426-21 (580-126667-21)						4/26/23		15:30 Pacific				Water				X				1															
0426-22 (580-126667-22)						4/26/23		16:13 Pacific				Water				X				1															
0427-23 (580-126667-23)						4/27/23		08:56 Pacific				Water				X				1															
0427-24 (580-126667-24)						4/27/23		09:40 Pacific				Water				X				1															
0427-25 (580-126667-25)						4/27/23		17:10 Pacific				Water				X				1															
0427-26 (580-126667-26)						4/27/23		11:35 Pacific				Water				X				1															
0427-27 (580-126667-27)						4/27/23		10:40 Pacific				Water				X				1															
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.																																			
Possible Hazard Identification												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																							
Unconfirmed												☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																							
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2												Special Instructions/QC Requirements:																							
Empty Kit Relinquished by:						Date:						Time:						Method of Shipment:																	
Relinquished by: <i>[Signature]</i>						Date/Time: <i>5/12/23 1600</i>						Company: <i>EETNW</i>						Received by:						Date/Time:						Company:					
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:					
Relinquished by:						Date/Time:						Company:						Received by: <i>JN</i>						Date/Time: <i>5/13/23 9:55</i>						Company: <i>EET</i>					
Custody Seals Intact: ☒ Yes ☐ No						Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks: 1.0																							

Environment Testing

[illegible]

Chain of Custody Record



Client Information (Sub Contract Lab)				Sampler:		Lab PM: Grant, Katie		Carrier Tracking No(s):		COG No: 580-119206.1									
Client Contact: Shipping/Receiving				Phone:		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: Washington		Page: Page 1 of 4									
Company: Eurofins Environment Testing Southwest,						Accreditations Required (See note): State - Washington						Job #: 580-126667-1							
Address: 2841 Dow Avenue, Suite 100,				Due Date Requested: 5/15/2023		Analysis Requested						Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:							
City: Tustin				TAT Requested (days):															
State, Zip: CA, 92780				PO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		SM5310D/ Total Organic Carbon		350.1/Distill. Ammonia (MOD) Copy Analytes		Total Number of containers					
Phone: 714-895-5494(Tel)				WO #:		Project Name: Coupeville SW Facility GW Q2 2022		Project #: 58017834		SSOW#:									
Email:						Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)											
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Preservation Code:											
0425-01 (580-126667-1)				4/25/23		14:20 Pacific		Water		X		X		2					
0427-02 (580-126667-2)				4/27/23		09:10 Pacific		Water		X		X		2					
0425-03 (580-126667-3)				4/25/23		13:10 Pacific		Water		X		X		2					
0425-04 (580-126667-4)				4/25/23		16:36 Pacific		Water		X		X		2					
0428-05 (580-126667-5)				4/28/23		09:51 Pacific		Water		X		X		2					
0426-06 (580-126667-6)				4/26/23		15:25 Pacific		Water		X		X		2					
0425-07 (580-126667-7)				4/25/23		11:50 Pacific		Water		X		X		2					
0425-08 (580-126667-8)				4/25/23		11:00 Pacific		Water		X		X		2					
0427-09 (580-126667-9)				4/27/23		14:06 Pacific		Water		X		X		2					
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes in status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.																			
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For									
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2									
Empty Kit Relinquished by:										Special Instructions/QC Requirements:									
Date:										Method of Shipment:									
Relinquished by: <i>[Signature]</i>										Received by: <i>[Signature]</i>									
Date/Time: 5/6/23 15:45										Date/Time: 5/3/23 9:40									
Relinquished by:										Received by:									
Date/Time:										Date/Time:									
Relinquished by:										Received by:									
Date/Time:										Date/Time:									
Custody Seals Intact: ☐ Yes ☐ No										Custody Seal No.:									
Cooler Temperature(s) °C and Other Remarks: 2.5/2.7 SC6																			



580-126667 Chain of Custody

Eurofins Seattle

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:																			
Client Contact:		Phone:		E-Mail:		State of Origin:		Page:																			
Shipping/Receiving				Katie.Grant@et.eurofinsus.com		Washington		Page 2 of 4																			
Company:				Accreditations Required (See note):				Job #:																			
Eurofins Environment Testing Southwest,				State - Washington				580-126667-1																			
Address:		Due Date Requested:		Analysis Requested						Preservation Codes:																	
2841 Dow Avenue, Suite 100,		5/15/2023																									
City:		TAT Requested (days):		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		SMS3100/ Total Organic Carbon		350.1/Distill. Ammonia (MOD) Copy Analytes		Total Number of Containers															
Tustin																											
State, Zip:		PO #:		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Special Instructions/Note:																					
CA, 92780																											
Phone:		WO #:		Project #:		SSOW#:																					
714-895-5494(Tel)																											
Email:				Project Name:		Coupeville SW Facility GW Q2 2022																					
Site:				Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix		Preservation Code:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		SMS3100/ Total Organic Carbon		350.1/Distill. Ammonia (MOD) Copy Analytes		Total Number of Containers		Special Instructions/Note:	
0427-10 (580-126667-10)		4/27/23		13:03 Pacific		Water																					
0427-11 (580-126667-11)		4/27/23		11:39 Pacific		Water																					
0427-12 (580-126667-12)		4/27/23		13:16 Pacific		Water																					
0427-13 (580-126667-13)		4/27/23		14:10 Pacific		Water																					
0427-14 (580-126667-14)		4/27/23		10:23 Pacific		Water																					
0427-15 (580-126667-15)		4/27/23		12:54 Pacific		Water																					
0425-16 (580-126667-16)		4/25/23		14:34 Pacific		Water																					
0425-17 (580-126667-17)		4/25/23		13:20 Pacific		Water																					
0425-18 (580-126667-18)		4/25/23		12:33 Pacific		Water																					
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.																											
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																	
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																	
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2																	
Empty Kit Relinquished by:										Special Instructions/QC Requirements:																	
Date:										Method of Shipment:																	
Relinquished by:										Received by:																	
Date/Time:										Date/Time:																	
Company:										Company:																	
Relinquished by:										Received by:																	
Date/Time:										Date/Time:																	
Company:										Company:																	
Relinquished by:										Received by:																	
Date/Time:										Date/Time:																	
Company:										Company:																	
Custody Seals Intact:										Cooler Temperature(s) °C and Other Remarks:																	
Δ Yes Δ No																											

Eurofins Seattle

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:					
Client Contact:		Phone:		E-Mail:		State of Origin:		Page:					
Shipping/Receiving				Katie.Grant@et.eurofinsus.com		Washington		Page 3 of 4					
Company:				Accreditations Required (See note):				Job #:					
Eurofins Environment Testing Southwest.				State - Washington				580-126667-1					
Address:		Due Date Requested:		Analysis Requested						Preservation Codes:			
2841 Dow Avenue, Suite 100,		5/15/2023											
City:		TAT Requested (days):		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		SM5310D/ Total Organic Carbon		350.1/Distill_Ammonia (MOD) Copy Analytes		Total Number of containers	
Tustin													
State, Zip:		PO #:											
CA, 92780													
Phone:		WO #:											
714-895-5494(Tel)													
Email:		Project #:											
		58017834											
Project Name:		SSOW#:											
Coupeville SW Facility GW Q2 2022													
Site:													
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Preservation Code:		Special Instructions/Note:	
0425-19 (580-126667-19)		4/25/23		11:23 Pacific		Water							
0425-20 (580-126667-20)		4/25/23		10:37 Pacific		Water							
0426-21 (580-126667-21)		4/26/23		15:30 Pacific		Water							
0426-22 (580-126667-22)		4/26/23		16:13 Pacific		Water							
0427-23 (580-126667-23)		4/27/23		08:56 Pacific		Water							
0427-25 (580-126667-25)		4/27/23		17:10 Pacific		Water							
0427-26 (580-126667-26)		4/27/23		11:35 Pacific		Water							
0427-27 (580-126667-27)		4/27/23		10:40 Pacific		Water							
0425-28 (580-126667-28)		4/25/23		13:35 Pacific		Water							
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.													
Possible Hazard Identification								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed								☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)								Primary Deliverable Rank: 2					
Special Instructions/QC Requirements:													
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:					
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time:	
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time:	
Relinquished by:				Date/Time:		Company:		Received by:				Date/Time:	
Custody Seals Intact:				Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							
Δ Yes Δ No													

 eurofins | Environment Testing

Ver: 06/08/2021
5/17/2023 (Rev. 1)

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-126667-1

Login Number: 126667

List Number: 1

Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-126667-1

Login Number: 126667

List Number: 3

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 05/03/23 03:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-126667-1

Login Number: 126667

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 05/03/23 01:53 PM

Creator: Ballard, Megan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

THIRD QTR. 2023 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04223020.02	Site Name	Island County Coupeville SWF
Data Validator	Alex Deszo	Data Level	Level 2
Date	8/18/23	DV Tier	Tier 1
QA Document	CSWF Groundwater Sampling, Analysis, and Quality Assurance Project Plan (Revised April 2018)		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
580-130012-1	Sample time for the following sample was rewritten over white-out: 0723-08 (580-130012-8). Sample was logged per the sample time listed on the chain of custody. The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 0723-03 (580-130012-3). The container labels list sample time of 13:47, while the chain of custody lists 13:27. Logged per chain of custody. The following sample had VOA containers with blank labels: 0723-09 (580-130012-9). The containers were in a bag with the rest of the containers for 0723-09 (580-130012-9), so they were labeled as such.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-130012-1	X	X	X	X	X	X

Notes:

X = Analysis performed on at least one sample in sample group.

- = Analysis not performed on any sample in sample group.

Laboratory Quality Assurance Samples

Lab QA Samples	Results	Comments
GC/MS VOA	Acceptable	See case narrative for additional details.



Lab QA Samples	Results	Comments
Metals	Acceptable	See case narrative for additional details.
General Chemistry	Acceptable	See case narrative for additional details.
VOA Prep	Acceptable	See case narrative for additional details.

Field Quality Assurance Samples

Field QA Samples	Sample Group	Analytes	Notes
Field Replicates	580-130012-1	N/A	See detailed results below.
Trip Blank	580-130012-1	N/A	See detailed results below.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
F1	MS and/or MSD Recovery is outside acceptance limits.	580-130012-1
*+	LCS and/or LCSD is outside acceptance limits, high biased.	580-130012-1
*1	LCS/LCSD RPD exceeds control limits	580-130012-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-130012-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)
4-Bromoflourobenzene	mg/L	9.4	9.6	2.11
Alkalinity as Bicarbonate	mg/L	460	450	2.20
Alkalinity, Total	mg/L	460	450	2.20
Ammonia	mg/L	0.05	0.04	22.22
Antimony, Total	mg/L	0.00018	0.00028	43.48
Arsenic, Total	mg/L	0.003	0.003	0.00
Barium, Total	mg/L	0.026	0.068	89.36
Benzene	mg/L	0.084	0.044	62.50
Cadmium, Total	mg/L	0.0004 U	0.000046	158.74
Calcium, Dissolved	mg/L	110	110	0.00
Chloride	mg/L	47	45	4.35
Chromium, Total	mg/L	0.00035	0.00048	31.33
Cobalt, Total	mg/L	0.000077	0.000091	16.67
Copper, Total	mg/L	0.00076	0.00089	15.76

Analyte	Units	N2D	N2D (Dup)	RPD (%)
Dibromofluoromethane	mg/L	8.9	8.7	2.27
Flouride, Total	mg/L	0.13	0.14	7.41
Iron, Total	mg/L	0.072	0.061	16.54
Magnesium, Dissolved	mg/L	73	76	4.03
Manganese, Dissolved	mg/L	0.018	0.02	10.53
Nickel, Total	mg/L	0.0045	0.0049	8.51
Nitrate	mg/L	4.2	4.3	2.35
Potassium, Dissolved	mg/L	8.3	8.8	5.85
Sodium, Dissolved	mg/L	40	42	4.88
Sulfate	mg/L	71	71	0.00
Toluene	mg/L	0.35	0.44	22.78
Total Dissolved Solids	mg/L	670	570	16.13
Total Organic Carbon	mg/L	1.7	1.8	5.71
Trichlorofluoromethane	mg/L	0.49	0.48	2.06
Vanadium, Total	mg/L	0.0029	0.003	3.39
Zinc, Total	mg/L	0.0011	0.0016	37.04

* RPD based on result as compared to the Reporting Limit (RL) for a non-detection in the compared sample

U = Result was not detected at or above a concentration greater than the RL. Value provided is the RL for the given sample.

N/A = Not applicable. Both results compared were non-detect.

Additional Data Flags

Flag	Description
U	Not detected above the method reporting limit.

Qualified Data and Usability

Lab qualifiers are noted. All data, as qualified, are acceptable for use.

ANALYTICAL REPORT

PREPARED FOR

Attn: Jovany Estrada
SCS Engineers
2405 140th Avenue NE
Suite 107
Bellevue, Washington 98005-1877

Generated 8/14/2023 10:42:02 AM

JOB DESCRIPTION

Coupeville SW Facility GW Q3 2023

JOB NUMBER

580-130012-1

Eurofins Seattle

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Authorized for release by
Katie Grant, Project Manager I
Katie.Grant@et.eurofinsus.com
(253)922-2310

Generated
8/14/2023 10:42:02 AM



Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Definitions	6
Client Sample Results	7
QC Sample Results	43
Chronicle	63
Certification Summary	69
Sample Summary	70
Chain of Custody	71
Receipt Checklists	78

Case Narrative

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Job ID: 580-130012-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative 580-130012-1

Receipt

The samples were received on 7/28/2023 12:35 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.9° C, 1.8° C and 2.2° C.

Receipt Exceptions

Sample time for the following sample was rewritten over white-out: 0723-08 (580-130012-8). Sample was logged per the sample time listed on the chain of custody.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 0723-03 (580-130012-3). The container labels list sample time of 13:47, while the chain of custody lists 13:27. Logged per chain of custody.

The following sample had VOA containers with blank labels: 0723-09 (580-130012-9). The containers were in a bag with the rest of the containers for 0723-09 (580-130012-9), so they were labeled as such.

GC/MS VOA

Method 8260D: The method blank for analytical batch 580-433277 contained 1,2-Dichlorobenzene, 1,4-Dichlorobenzene and Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed.

Method 8260D: The method blank for analytical batch 580-433367 contained 1,2-Dichlorobenzene, 1,4-Dichlorobenzene and Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 580-434113 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-434113 recovered outside control limits for the following analytes: Acetone.

Method 8260D: The method blank for analytical batch 580-434113 contained 1,2-Dichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-434212 recovered outside control limits for the following analytes: Vinyl chloride.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-433248 were outside control limits for one or more analytes. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-353438 and analytical batch 570-353449 were outside control limits for one or more analytes. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Case Narrative

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Job ID: 580-130012-1 (Continued)

Laboratory: Eurofins Seattle (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

1

2

3

4

5

6

7

8

9

10

11

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-01

E10D

Lab Sample ID: 580-130012-1

Date Collected: 07/27/23 12:58

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/29/23 21:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					07/29/23 21:36	1
1,2-Dichloroethane-d4 (Surr)	102		68 - 120					07/29/23 21:36	1
4-Bromofluorobenzene (Surr)	95		80 - 125					07/29/23 21:36	1
Dibromofluoromethane (Surr)	106		80 - 120					07/29/23 21:36	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			07/31/23 21:33	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			07/31/23 21:33	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			07/31/23 21:33	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			07/31/23 21:33	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			07/31/23 21:33	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			07/31/23 21:33	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			07/31/23 21:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			07/31/23 21:33	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			07/31/23 21:33	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			07/31/23 21:33	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			07/31/23 21:33	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			07/31/23 21:33	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			07/31/23 21:33	1
2-Butanone	ND		10	2.5	ug/L			07/31/23 21:33	1
2-Hexanone	ND		3.0	0.94	ug/L			07/31/23 21:33	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			07/31/23 21:33	1
Acetone	ND		10	3.1	ug/L			07/31/23 21:33	1
Acrylonitrile	ND		10	2.0	ug/L			07/31/23 21:33	1
Benzene	ND		0.20	0.030	ug/L			07/31/23 21:33	1
Bromochloromethane	ND		0.20	0.050	ug/L			07/31/23 21:33	1
Bromodichloromethane	ND		0.20	0.060	ug/L			07/31/23 21:33	1
Bromoform	ND		0.50	0.16	ug/L			07/31/23 21:33	1
Bromomethane	ND		0.50	0.13	ug/L			07/31/23 21:33	1
Carbon disulfide	ND		0.30	0.083	ug/L			07/31/23 21:33	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			07/31/23 21:33	1
Chlorobenzene	ND		0.20	0.060	ug/L			07/31/23 21:33	1
Chloroethane	ND		0.50	0.096	ug/L			07/31/23 21:33	1
Chloroform	ND		0.20	0.030	ug/L			07/31/23 21:33	1
Chloromethane	ND		0.50	0.14	ug/L			07/31/23 21:33	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			07/31/23 21:33	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			07/31/23 21:33	1
Dibromochloromethane	ND		0.20	0.055	ug/L			07/31/23 21:33	1
Dibromomethane	ND		0.20	0.062	ug/L			07/31/23 21:33	1
Ethylbenzene	ND		0.20	0.030	ug/L			07/31/23 21:33	1
m,p-Xylene	ND		0.50	0.12	ug/L			07/31/23 21:33	1
Methyl iodide	ND		0.50	0.070	ug/L			07/31/23 21:33	1
Methylene Chloride	ND		5.0	1.2	ug/L			07/31/23 21:33	1
o-Xylene	ND		0.50	0.15	ug/L			07/31/23 21:33	1
Styrene	ND		1.0	0.19	ug/L			07/31/23 21:33	1
Tetrachloroethene	ND		0.50	0.084	ug/L			07/31/23 21:33	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-01

Lab Sample ID: 580-130012-1

Date Collected: 07/27/23 12:58

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			07/31/23 21:33	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			07/31/23 21:33	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			07/31/23 21:33	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			07/31/23 21:33	1
Trichloroethene	ND		0.20	0.066	ug/L			07/31/23 21:33	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			07/31/23 21:33	1
Vinyl acetate	ND		2.0	0.44	ug/L			07/31/23 21:33	1
Vinyl chloride	ND		0.10	0.040	ug/L			07/31/23 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		07/31/23 21:33	1
4-Bromofluorobenzene (Surr)	95		80 - 120		07/31/23 21:33	1
Dibromofluoromethane (Surr)	99		80 - 120		07/31/23 21:33	1
Toluene-d8 (Surr)	101		80 - 120		07/31/23 21:33	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 15:55	1
Iron	0.98		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 15:55	1
Magnesium	64		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 15:55	1
Manganese	0.097		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 15:55	1
Potassium	7.9		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 15:55	1
Sodium	32		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 15:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:00	1
Arsenic	0.0066		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:00	1
Barium	0.043		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:00	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:00	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:00	1
Chromium	0.00025	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:00	1
Cobalt	ND		0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:00	1
Copper	ND		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:00	1
Iron	0.84		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:00	1
Lead	ND		0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:00	1
Nickel	0.0014	J	0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:00	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:00	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:00	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:00	1
Vanadium	0.0026	J	0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:00	1
Zinc	ND		0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.22		0.20	0.030	mg/L			07/28/23 19:23	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40	0.070	mg/L			07/28/23 19:23	1
Chloride (EPA 300.0)	35	F1	1.5	0.43	mg/L			07/28/23 19:23	1
Sulfate (EPA 300.0)	47		1.5	0.80	mg/L			07/28/23 19:23	1
Ammonia (EPA 350.1)	0.045	J F1	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 12:56	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-01

Date Collected: 07/27/23 12:58

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-1

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.2		0.50	0.26	mg/L			08/02/23 20:53	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	440		7.0	7.0	mg/L			08/03/23 21:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	440		7.0	7.0	mg/L			08/03/23 21:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/03/23 21:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/03/23 21:52	1
Total Dissolved Solids (SM 2540C)	570		10	10	mg/L			08/01/23 17:37	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-02

Date Collected: 07/27/23 10:35

Date Received: 07/28/23 12:35

E9D

Lab Sample ID: 580-130012-2

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	*1	0.020	0.0030	ug/L			08/10/23 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120					08/10/23 12:03	1
1,2-Dichloroethane-d4 (Surr)	98		68 - 120					08/10/23 12:03	1
4-Bromofluorobenzene (Surr)	97		80 - 125					08/10/23 12:03	1
Dibromofluoromethane (Surr)	100		80 - 120					08/10/23 12:03	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			07/31/23 21:57	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			07/31/23 21:57	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			07/31/23 21:57	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			07/31/23 21:57	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			07/31/23 21:57	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			07/31/23 21:57	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			07/31/23 21:57	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			07/31/23 21:57	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			07/31/23 21:57	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			07/31/23 21:57	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			07/31/23 21:57	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			07/31/23 21:57	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			07/31/23 21:57	1
2-Butanone	ND		10	2.5	ug/L			07/31/23 21:57	1
2-Hexanone	ND		3.0	0.94	ug/L			07/31/23 21:57	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			07/31/23 21:57	1
Acetone	ND		10	3.1	ug/L			07/31/23 21:57	1
Acrylonitrile	ND		10	2.0	ug/L			07/31/23 21:57	1
Benzene	ND		0.20	0.030	ug/L			07/31/23 21:57	1
Bromochloromethane	ND		0.20	0.050	ug/L			07/31/23 21:57	1
Bromodichloromethane	ND		0.20	0.060	ug/L			07/31/23 21:57	1
Bromoform	ND		0.50	0.16	ug/L			07/31/23 21:57	1
Bromomethane	ND		0.50	0.13	ug/L			07/31/23 21:57	1
Carbon disulfide	ND		0.30	0.083	ug/L			07/31/23 21:57	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			07/31/23 21:57	1
Chlorobenzene	ND		0.20	0.060	ug/L			07/31/23 21:57	1
Chloroethane	ND		0.50	0.096	ug/L			07/31/23 21:57	1
Chloroform	ND		0.20	0.030	ug/L			07/31/23 21:57	1
Chloromethane	ND		0.50	0.14	ug/L			07/31/23 21:57	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			07/31/23 21:57	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			07/31/23 21:57	1
Dibromochloromethane	ND		0.20	0.055	ug/L			07/31/23 21:57	1
Dibromomethane	ND		0.20	0.062	ug/L			07/31/23 21:57	1
Ethylbenzene	ND		0.20	0.030	ug/L			07/31/23 21:57	1
m,p-Xylene	ND		0.50	0.12	ug/L			07/31/23 21:57	1
Methyl iodide	ND		0.50	0.070	ug/L			07/31/23 21:57	1
Methylene Chloride	ND		5.0	1.2	ug/L			07/31/23 21:57	1
o-Xylene	ND		0.50	0.15	ug/L			07/31/23 21:57	1
Styrene	ND		1.0	0.19	ug/L			07/31/23 21:57	1
Tetrachloroethene	ND		0.50	0.084	ug/L			07/31/23 21:57	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-02

Lab Sample ID: 580-130012-2

Date Collected: 07/27/23 10:35

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			07/31/23 21:57	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			07/31/23 21:57	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			07/31/23 21:57	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			07/31/23 21:57	1
Trichloroethene	ND		0.20	0.066	ug/L			07/31/23 21:57	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			07/31/23 21:57	1
Vinyl acetate	ND		2.0	0.44	ug/L			07/31/23 21:57	1
Vinyl chloride	ND		0.10	0.040	ug/L			07/31/23 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					07/31/23 21:57	1
4-Bromofluorobenzene (Surr)	91		80 - 120					07/31/23 21:57	1
Dibromofluoromethane (Surr)	97		80 - 120					07/31/23 21:57	1
Toluene-d8 (Surr)	102		80 - 120					07/31/23 21:57	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	33		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 15:58	1
Iron	ND		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 15:58	1
Magnesium	37		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 15:58	1
Manganese	0.032		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 15:58	1
Potassium	15		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 15:58	1
Sodium	16		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 15:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:06	1
Arsenic	0.022		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:06	1
Barium	0.024		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:06	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:06	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:06	1
Chromium	0.00035	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:06	1
Cobalt	0.000040	J	0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:06	1
Copper	ND		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:06	1
Iron	0.14		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:06	1
Lead	0.000043	J	0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:06	1
Nickel	0.00031	J	0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:06	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:06	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:06	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:06	1
Vanadium	ND		0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:06	1
Zinc	0.00095	J	0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			07/28/23 19:58	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40	0.070	mg/L			07/28/23 19:58	1
Chloride (EPA 300.0)	24		1.5	0.43	mg/L			07/28/23 19:58	1
Sulfate (EPA 300.0)	18		1.5	0.80	mg/L			07/28/23 19:58	1
Ammonia (EPA 350.1)	0.095		0.075	0.029	mg/L		08/09/23 10:48	08/09/23 12:57	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-02

Lab Sample ID: 580-130012-2

Date Collected: 07/27/23 10:35

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.1		0.50	0.26	mg/L			08/02/23 21:12	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	190		7.0	7.0	mg/L			08/03/23 21:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	190		7.0	7.0	mg/L			08/03/23 21:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/03/23 21:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/03/23 21:52	1
Total Dissolved Solids (SM 2540C)	310		10	10	mg/L			08/01/23 17:37	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-03

Date Collected: 07/27/23 13:27

Date Received: 07/28/23 12:35

E4D

Lab Sample ID: 580-130012-3

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/29/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					07/29/23 22:02	1
1,2-Dichloroethane-d4 (Surr)	103		68 - 120					07/29/23 22:02	1
4-Bromofluorobenzene (Surr)	96		80 - 125					07/29/23 22:02	1
Dibromofluoromethane (Surr)	105		80 - 120					07/29/23 22:02	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			07/31/23 22:21	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			07/31/23 22:21	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			07/31/23 22:21	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			07/31/23 22:21	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			07/31/23 22:21	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			07/31/23 22:21	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			07/31/23 22:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			07/31/23 22:21	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			07/31/23 22:21	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			07/31/23 22:21	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			07/31/23 22:21	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			07/31/23 22:21	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			07/31/23 22:21	1
2-Butanone	ND		10	2.5	ug/L			07/31/23 22:21	1
2-Hexanone	ND		3.0	0.94	ug/L			07/31/23 22:21	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			07/31/23 22:21	1
Acetone	ND		10	3.1	ug/L			07/31/23 22:21	1
Acrylonitrile	ND		10	2.0	ug/L			07/31/23 22:21	1
Benzene	ND		0.20	0.030	ug/L			07/31/23 22:21	1
Bromochloromethane	ND		0.20	0.050	ug/L			07/31/23 22:21	1
Bromodichloromethane	ND		0.20	0.060	ug/L			07/31/23 22:21	1
Bromoform	ND		0.50	0.16	ug/L			07/31/23 22:21	1
Bromomethane	ND		0.50	0.13	ug/L			07/31/23 22:21	1
Carbon disulfide	ND		0.30	0.083	ug/L			07/31/23 22:21	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			07/31/23 22:21	1
Chlorobenzene	ND		0.20	0.060	ug/L			07/31/23 22:21	1
Chloroethane	ND		0.50	0.096	ug/L			07/31/23 22:21	1
Chloroform	ND		0.20	0.030	ug/L			07/31/23 22:21	1
Chloromethane	ND		0.50	0.14	ug/L			07/31/23 22:21	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			07/31/23 22:21	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			07/31/23 22:21	1
Dibromochloromethane	ND		0.20	0.055	ug/L			07/31/23 22:21	1
Dibromomethane	ND		0.20	0.062	ug/L			07/31/23 22:21	1
Ethylbenzene	ND		0.20	0.030	ug/L			07/31/23 22:21	1
m,p-Xylene	ND		0.50	0.12	ug/L			07/31/23 22:21	1
Methyl iodide	ND		0.50	0.070	ug/L			07/31/23 22:21	1
Methylene Chloride	ND		5.0	1.2	ug/L			07/31/23 22:21	1
o-Xylene	ND		0.50	0.15	ug/L			07/31/23 22:21	1
Styrene	ND		1.0	0.19	ug/L			07/31/23 22:21	1
Tetrachloroethene	ND		0.50	0.084	ug/L			07/31/23 22:21	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-03

Lab Sample ID: 580-130012-3

Date Collected: 07/27/23 13:27

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			07/31/23 22:21	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			07/31/23 22:21	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			07/31/23 22:21	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			07/31/23 22:21	1
Trichloroethene	ND		0.20	0.066	ug/L			07/31/23 22:21	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			07/31/23 22:21	1
Vinyl acetate	ND		2.0	0.44	ug/L			07/31/23 22:21	1
Vinyl chloride	ND		0.10	0.040	ug/L			07/31/23 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					07/31/23 22:21	1
4-Bromofluorobenzene (Surr)	94		80 - 120					07/31/23 22:21	1
Dibromofluoromethane (Surr)	103		80 - 120					07/31/23 22:21	1
Toluene-d8 (Surr)	99		80 - 120					07/31/23 22:21	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-04

Lab Sample ID: 580-130012-4

Date Collected: 07/27/23 13:15

E5D

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/29/23 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/29/23 22:27	1
1,2-Dichloroethane-d4 (Surr)	99		68 - 120		07/29/23 22:27	1
4-Bromofluorobenzene (Surr)	95		80 - 125		07/29/23 22:27	1
Dibromofluoromethane (Surr)	106		80 - 120		07/29/23 22:27	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			07/31/23 22:46	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			07/31/23 22:46	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			07/31/23 22:46	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			07/31/23 22:46	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			07/31/23 22:46	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			07/31/23 22:46	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			07/31/23 22:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			07/31/23 22:46	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			07/31/23 22:46	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			07/31/23 22:46	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			07/31/23 22:46	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			07/31/23 22:46	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			07/31/23 22:46	1
2-Butanone	ND		10	2.5	ug/L			07/31/23 22:46	1
2-Hexanone	ND		3.0	0.94	ug/L			07/31/23 22:46	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			07/31/23 22:46	1
Acetone	ND		10	3.1	ug/L			07/31/23 22:46	1
Acrylonitrile	ND		10	2.0	ug/L			07/31/23 22:46	1
Benzene	ND		0.20	0.030	ug/L			07/31/23 22:46	1
Bromochloromethane	ND		0.20	0.050	ug/L			07/31/23 22:46	1
Bromodichloromethane	ND		0.20	0.060	ug/L			07/31/23 22:46	1
Bromoform	ND		0.50	0.16	ug/L			07/31/23 22:46	1
Bromomethane	ND		0.50	0.13	ug/L			07/31/23 22:46	1
Carbon disulfide	ND		0.30	0.083	ug/L			07/31/23 22:46	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			07/31/23 22:46	1
Chlorobenzene	ND		0.20	0.060	ug/L			07/31/23 22:46	1
Chloroethane	ND		0.50	0.096	ug/L			07/31/23 22:46	1
Chloroform	ND		0.20	0.030	ug/L			07/31/23 22:46	1
Chloromethane	ND		0.50	0.14	ug/L			07/31/23 22:46	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			07/31/23 22:46	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			07/31/23 22:46	1
Dibromochloromethane	ND		0.20	0.055	ug/L			07/31/23 22:46	1
Dibromomethane	ND		0.20	0.062	ug/L			07/31/23 22:46	1
Ethylbenzene	ND		0.20	0.030	ug/L			07/31/23 22:46	1
m,p-Xylene	ND		0.50	0.12	ug/L			07/31/23 22:46	1
Methyl iodide	ND		0.50	0.070	ug/L			07/31/23 22:46	1
Methylene Chloride	ND		5.0	1.2	ug/L			07/31/23 22:46	1
o-Xylene	ND		0.50	0.15	ug/L			07/31/23 22:46	1
Styrene	ND		1.0	0.19	ug/L			07/31/23 22:46	1
Tetrachloroethene	ND		0.50	0.084	ug/L			07/31/23 22:46	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-04

Lab Sample ID: 580-130012-4

Date Collected: 07/27/23 13:15

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.051	J	0.20	0.050	ug/L			07/31/23 22:46	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			07/31/23 22:46	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			07/31/23 22:46	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			07/31/23 22:46	1
Trichloroethene	ND		0.20	0.066	ug/L			07/31/23 22:46	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			07/31/23 22:46	1
Vinyl acetate	ND		2.0	0.44	ug/L			07/31/23 22:46	1
Vinyl chloride	ND		0.10	0.040	ug/L			07/31/23 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120					07/31/23 22:46	1
4-Bromofluorobenzene (Surr)	93		80 - 120					07/31/23 22:46	1
Dibromofluoromethane (Surr)	100		80 - 120					07/31/23 22:46	1
Toluene-d8 (Surr)	101		80 - 120					07/31/23 22:46	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:02	1
Iron	2.5		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:02	1
Magnesium	92		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:02	1
Manganese	0.34		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:02	1
Potassium	9.1		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:02	1
Sodium	37		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:11	1
Arsenic	0.0062		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:11	1
Barium	0.077		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:11	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:11	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:11	1
Chromium	0.00027	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:11	1
Cobalt	0.000053	J	0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:11	1
Copper	ND		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:11	1
Iron	2.0		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:11	1
Lead	0.000055	J	0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:11	1
Nickel	0.0019	J	0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:11	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:11	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:11	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:11	1
Vanadium	ND		0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:11	1
Zinc	0.0022	J	0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.093	J	0.20	0.030	mg/L			07/28/23 20:10	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40	0.070	mg/L			07/28/23 20:10	1
Chloride (EPA 300.0)	6.4		1.5	0.43	mg/L			07/28/23 20:10	1
Sulfate (EPA 300.0)	36		1.5	0.80	mg/L			07/28/23 20:10	1
Ammonia (EPA 350.1)	0.043	J	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 12:59	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-04

Lab Sample ID: 580-130012-4

Date Collected: 07/27/23 13:15

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.4		0.50	0.26	mg/L			08/02/23 21:32	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	760		7.0	7.0	mg/L			08/03/23 21:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	760		7.0	7.0	mg/L			08/03/23 21:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/03/23 21:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/03/23 21:52	1
Total Dissolved Solids (SM 2540C)	880		10	10	mg/L			08/01/23 17:37	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-05

Date Collected: 07/27/23 14:33

Date Received: 07/28/23 12:35

E8D

Lab Sample ID: 580-130012-5

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/29/23 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120					07/29/23 22:54	1
1,2-Dichloroethane-d4 (Surr)	103		68 - 120					07/29/23 22:54	1
4-Bromofluorobenzene (Surr)	97		80 - 125					07/29/23 22:54	1
Dibromofluoromethane (Surr)	106		80 - 120					07/29/23 22:54	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			07/31/23 23:10	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			07/31/23 23:10	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			07/31/23 23:10	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			07/31/23 23:10	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			07/31/23 23:10	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			07/31/23 23:10	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			07/31/23 23:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			07/31/23 23:10	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			07/31/23 23:10	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			07/31/23 23:10	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			07/31/23 23:10	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			07/31/23 23:10	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			07/31/23 23:10	1
2-Butanone	ND		10	2.5	ug/L			07/31/23 23:10	1
2-Hexanone	ND		3.0	0.94	ug/L			07/31/23 23:10	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			07/31/23 23:10	1
Acetone	ND		10	3.1	ug/L			07/31/23 23:10	1
Acrylonitrile	ND		10	2.0	ug/L			07/31/23 23:10	1
Benzene	ND		0.20	0.030	ug/L			07/31/23 23:10	1
Bromochloromethane	ND		0.20	0.050	ug/L			07/31/23 23:10	1
Bromodichloromethane	ND		0.20	0.060	ug/L			07/31/23 23:10	1
Bromoform	ND		0.50	0.16	ug/L			07/31/23 23:10	1
Bromomethane	ND		0.50	0.13	ug/L			07/31/23 23:10	1
Carbon disulfide	ND		0.30	0.083	ug/L			07/31/23 23:10	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			07/31/23 23:10	1
Chlorobenzene	ND		0.20	0.060	ug/L			07/31/23 23:10	1
Chloroethane	ND		0.50	0.096	ug/L			07/31/23 23:10	1
Chloroform	ND		0.20	0.030	ug/L			07/31/23 23:10	1
Chloromethane	ND		0.50	0.14	ug/L			07/31/23 23:10	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			07/31/23 23:10	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			07/31/23 23:10	1
Dibromochloromethane	ND		0.20	0.055	ug/L			07/31/23 23:10	1
Dibromomethane	ND		0.20	0.062	ug/L			07/31/23 23:10	1
Ethylbenzene	ND		0.20	0.030	ug/L			07/31/23 23:10	1
m,p-Xylene	ND		0.50	0.12	ug/L			07/31/23 23:10	1
Methyl iodide	ND		0.50	0.070	ug/L			07/31/23 23:10	1
Methylene Chloride	ND		5.0	1.2	ug/L			07/31/23 23:10	1
o-Xylene	ND		0.50	0.15	ug/L			07/31/23 23:10	1
Styrene	ND		1.0	0.19	ug/L			07/31/23 23:10	1
Tetrachloroethene	ND		0.50	0.084	ug/L			07/31/23 23:10	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-05

Lab Sample ID: 580-130012-5

Date Collected: 07/27/23 14:33

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			07/31/23 23:10	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			07/31/23 23:10	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			07/31/23 23:10	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			07/31/23 23:10	1
Trichloroethene	ND		0.20	0.066	ug/L			07/31/23 23:10	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			07/31/23 23:10	1
Vinyl acetate	ND		2.0	0.44	ug/L			07/31/23 23:10	1
Vinyl chloride	ND		0.10	0.040	ug/L			07/31/23 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		07/31/23 23:10	1
4-Bromofluorobenzene (Surr)	91		80 - 120		07/31/23 23:10	1
Dibromofluoromethane (Surr)	105		80 - 120		07/31/23 23:10	1
Toluene-d8 (Surr)	98		80 - 120		07/31/23 23:10	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	59		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:05	1
Iron	1.5		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:05	1
Magnesium	31		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:05	1
Manganese	0.33		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:05	1
Potassium	5.6		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:05	1
Sodium	25		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:16	1
Arsenic	0.0051		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:16	1
Barium	0.058		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:16	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:16	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:16	1
Chromium	0.00026	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:16	1
Cobalt	0.00015	J	0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:16	1
Copper	ND		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:16	1
Iron	1.3		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:16	1
Lead	ND		0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:16	1
Nickel	0.00018	J	0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:16	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:16	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:16	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:16	1
Vanadium	ND		0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:16	1
Zinc	0.0011	J	0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.12	J	0.20	0.030	mg/L			07/28/23 20:22	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40	0.070	mg/L			07/28/23 20:22	1
Chloride (EPA 300.0)	7.0		1.5	0.43	mg/L			07/28/23 20:22	1
Sulfate (EPA 300.0)	23		1.5	0.80	mg/L			07/28/23 20:22	1
Ammonia (EPA 350.1)	0.16		0.075	0.029	mg/L		08/09/23 10:48	08/09/23 13:00	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-05

Lab Sample ID: 580-130012-5

Date Collected: 07/27/23 14:33

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	0.76		0.50	0.26	mg/L			08/02/23 21:51	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	270		7.0	7.0	mg/L			08/05/23 20:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		7.0	7.0	mg/L			08/05/23 20:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/05/23 20:15	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/05/23 20:15	1
Total Dissolved Solids (SM 2540C)	290		10	10	mg/L			08/01/23 17:37	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-06

Lab Sample ID: 580-130012-6

Date Collected: 07/27/23 11:47

E6D

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.010	J	0.020	0.0030	ug/L			07/29/23 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		07/29/23 23:20	1
1,2-Dichloroethane-d4 (Surr)	100		68 - 120		07/29/23 23:20	1
4-Bromofluorobenzene (Surr)	94		80 - 125		07/29/23 23:20	1
Dibromofluoromethane (Surr)	110		80 - 120		07/29/23 23:20	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 18:44	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/01/23 18:44	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 18:44	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 18:44	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/01/23 18:44	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 18:44	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 18:44	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 18:44	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 18:44	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/01/23 18:44	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 18:44	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 18:44	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/01/23 18:44	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 18:44	1
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 18:44	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 18:44	1
Acetone	ND		10	3.1	ug/L			08/01/23 18:44	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 18:44	1
Benzene	0.058	J	0.20	0.030	ug/L			08/01/23 18:44	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 18:44	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 18:44	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 18:44	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 18:44	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 18:44	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 18:44	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 18:44	1
Chloroethane	ND		0.50	0.096	ug/L			08/01/23 18:44	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 18:44	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 18:44	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 18:44	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 18:44	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 18:44	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 18:44	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 18:44	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 18:44	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 18:44	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 18:44	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 18:44	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 18:44	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 18:44	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-06

Lab Sample ID: 580-130012-6

Date Collected: 07/27/23 11:47

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.14	J	0.20	0.050	ug/L			08/01/23 18:44	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 18:44	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 18:44	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 18:44	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 18:44	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/01/23 18:44	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 18:44	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/01/23 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					08/01/23 18:44	1
4-Bromofluorobenzene (Surr)	100		80 - 120					08/01/23 18:44	1
Dibromofluoromethane (Surr)	95		80 - 120					08/01/23 18:44	1
Toluene-d8 (Surr)	94		80 - 120					08/01/23 18:44	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	73		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:09	1
Iron	2.0		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:09	1
Magnesium	38		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:09	1
Manganese	0.61		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:09	1
Potassium	6.1		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:09	1
Sodium	34		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:22	1
Arsenic	0.0017		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:22	1
Barium	0.075		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:22	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:22	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:22	1
Chromium	0.00022	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:22	1
Cobalt	ND		0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:22	1
Copper	ND		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:22	1
Iron	1.8		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:22	1
Lead	ND		0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:22	1
Nickel	ND		0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:22	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:22	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:22	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:22	1
Vanadium	ND		0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:22	1
Zinc	0.0010	J	0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			07/28/23 20:57	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40	0.070	mg/L			07/28/23 20:57	1
Chloride (EPA 300.0)	2.7		1.5	0.43	mg/L			07/28/23 20:57	1
Sulfate (EPA 300.0)	4.9		1.5	0.80	mg/L			07/28/23 20:57	1
Ammonia (EPA 350.1)	0.060	J	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 13:02	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-06

Lab Sample ID: 580-130012-6

Date Collected: 07/27/23 11:47

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.3		0.50	0.26	mg/L			08/02/23 22:10	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	360		7.0	7.0	mg/L			08/05/23 20:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	360		7.0	7.0	mg/L			08/05/23 20:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/05/23 20:15	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/05/23 20:15	1
Total Dissolved Solids (SM 2540C)	380		10	10	mg/L			08/01/23 17:37	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-07

E2D

Lab Sample ID: 580-130012-7

Date Collected: 07/27/23 14:34

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	12		0.020	0.0030	ug/L			07/29/23 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		07/29/23 23:46	1
1,2-Dichloroethane-d4 (Surr)	100		68 - 120		07/29/23 23:46	1
4-Bromofluorobenzene (Surr)	95		80 - 125		07/29/23 23:46	1
Dibromofluoromethane (Surr)	105		80 - 120		07/29/23 23:46	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 19:09	1
1,1,1-Trichloroethane	0.44		0.20	0.025	ug/L			08/01/23 19:09	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 19:09	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 19:09	1
1,1-Dichloroethane	0.20		0.20	0.025	ug/L			08/01/23 19:09	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 19:09	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 19:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 19:09	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 19:09	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/01/23 19:09	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 19:09	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 19:09	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/01/23 19:09	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 19:09	1
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 19:09	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 19:09	1
Acetone	ND		10	3.1	ug/L			08/01/23 19:09	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 19:09	1
Benzene	0.064	J	0.20	0.030	ug/L			08/01/23 19:09	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 19:09	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 19:09	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 19:09	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 19:09	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 19:09	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 19:09	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 19:09	1
Chloroethane	0.12	J	0.50	0.096	ug/L			08/01/23 19:09	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 19:09	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 19:09	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 19:09	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 19:09	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 19:09	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 19:09	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 19:09	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 19:09	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 19:09	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 19:09	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 19:09	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 19:09	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 19:09	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-07

Lab Sample ID: 580-130012-7

Date Collected: 07/27/23 14:34

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.36		0.20	0.050	ug/L			08/01/23 19:09	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 19:09	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 19:09	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 19:09	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 19:09	1
Trichlorofluoromethane	2.3		0.50	0.12	ug/L			08/01/23 19:09	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 19:09	1
Vinyl chloride	13		0.10	0.040	ug/L			08/01/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					08/01/23 19:09	1
4-Bromofluorobenzene (Surr)	101		80 - 120					08/01/23 19:09	1
Dibromofluoromethane (Surr)	92		80 - 120					08/01/23 19:09	1
Toluene-d8 (Surr)	93		80 - 120					08/01/23 19:09	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-08

Lab Sample ID: 580-130012-8

Date Collected: 07/27/23 11:25

N2D

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0078	J	0.020	0.0030	ug/L			07/30/23 00:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120					07/30/23 00:12	1
1,2-Dichloroethane-d4 (Surr)	102		68 - 120					07/30/23 00:12	1
4-Bromofluorobenzene (Surr)	94		80 - 125					07/30/23 00:12	1
Dibromofluoromethane (Surr)	109		80 - 120					07/30/23 00:12	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 19:33	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/01/23 19:33	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 19:33	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 19:33	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/01/23 19:33	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 19:33	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 19:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 19:33	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 19:33	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/01/23 19:33	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 19:33	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 19:33	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/01/23 19:33	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 19:33	1
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 19:33	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 19:33	1
Acetone	ND		10	3.1	ug/L			08/01/23 19:33	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 19:33	1
Benzene	0.084	J	0.20	0.030	ug/L			08/01/23 19:33	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 19:33	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 19:33	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 19:33	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 19:33	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 19:33	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 19:33	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 19:33	1
Chloroethane	ND		0.50	0.096	ug/L			08/01/23 19:33	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 19:33	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 19:33	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 19:33	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 19:33	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 19:33	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 19:33	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 19:33	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 19:33	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 19:33	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 19:33	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 19:33	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 19:33	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 19:33	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-08

Lab Sample ID: 580-130012-8

Date Collected: 07/27/23 11:25

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.35		0.20	0.050	ug/L			08/01/23 19:33	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 19:33	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 19:33	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 19:33	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 19:33	1
Trichlorofluoromethane	0.49	J	0.50	0.12	ug/L			08/01/23 19:33	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 19:33	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/01/23 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120					08/01/23 19:33	1
4-Bromofluorobenzene (Surr)	97		80 - 120					08/01/23 19:33	1
Dibromofluoromethane (Surr)	89		80 - 120					08/01/23 19:33	1
Toluene-d8 (Surr)	95		80 - 120					08/01/23 19:33	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:12	1
Iron	ND		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:12	1
Magnesium	73		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:12	1
Manganese	0.018	J	0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:12	1
Potassium	8.3		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:12	1
Sodium	40		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00018	J	0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:27	1
Arsenic	0.0030		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:27	1
Barium	0.026		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:27	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:27	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:27	1
Chromium	0.00035	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:27	1
Cobalt	0.000077	J	0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:27	1
Copper	0.00076	J	0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:27	1
Iron	0.072	J	0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:27	1
Lead	ND		0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:27	1
Nickel	0.0045		0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:27	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:27	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:27	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:27	1
Vanadium	0.0029	J	0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:27	1
Zinc	0.0011	J	0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.13	J	0.20	0.030	mg/L			07/28/23 21:09	1
Nitrate Nitrite as N (EPA 300.0)	4.2		0.40	0.070	mg/L			07/28/23 21:09	1
Chloride (EPA 300.0)	47		1.5	0.43	mg/L			07/28/23 21:09	1
Sulfate (EPA 300.0)	71		1.5	0.80	mg/L			07/28/23 21:09	1
Ammonia (EPA 350.1)	0.050	J	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 13:03	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-08

Lab Sample ID: 580-130012-8

Date Collected: 07/27/23 11:25

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.7		0.50	0.26	mg/L			08/02/23 22:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	460		7.0	7.0	mg/L			08/05/23 20:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	460		7.0	7.0	mg/L			08/05/23 20:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/05/23 20:15	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/05/23 20:15	1
Total Dissolved Solids (SM 2540C)	670		10	10	mg/L			08/01/23 17:37	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-09

Date Collected: 07/27/23 11:35

Date Received: 07/28/23 12:35

N2D DUP

Lab Sample ID: 580-130012-9

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/30/23 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					07/30/23 00:38	1
1,2-Dichloroethane-d4 (Surr)	102		68 - 120					07/30/23 00:38	1
4-Bromofluorobenzene (Surr)	96		80 - 125					07/30/23 00:38	1
Dibromofluoromethane (Surr)	108		80 - 120					07/30/23 00:38	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 19:57	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/01/23 19:57	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 19:57	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 19:57	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/01/23 19:57	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 19:57	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 19:57	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 19:57	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 19:57	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/01/23 19:57	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 19:57	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 19:57	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/01/23 19:57	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 19:57	1
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 19:57	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 19:57	1
Acetone	ND		10	3.1	ug/L			08/01/23 19:57	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 19:57	1
Benzene	0.044	J	0.20	0.030	ug/L			08/01/23 19:57	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 19:57	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 19:57	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 19:57	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 19:57	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 19:57	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 19:57	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 19:57	1
Chloroethane	ND		0.50	0.096	ug/L			08/01/23 19:57	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 19:57	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 19:57	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 19:57	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 19:57	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 19:57	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 19:57	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 19:57	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 19:57	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 19:57	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 19:57	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 19:57	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 19:57	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 19:57	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-09

Lab Sample ID: 580-130012-9

Date Collected: 07/27/23 11:35

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.44		0.20	0.050	ug/L			08/01/23 19:57	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 19:57	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 19:57	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 19:57	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 19:57	1
Trichlorofluoromethane	0.48	J	0.50	0.12	ug/L			08/01/23 19:57	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 19:57	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/01/23 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					08/01/23 19:57	1
4-Bromofluorobenzene (Surr)	97		80 - 120					08/01/23 19:57	1
Dibromofluoromethane (Surr)	87		80 - 120					08/01/23 19:57	1
Toluene-d8 (Surr)	96		80 - 120					08/01/23 19:57	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:16	1
Iron	ND		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:16	1
Magnesium	76		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:16	1
Manganese	0.020		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:16	1
Potassium	8.8		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:16	1
Sodium	42		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00028	J	0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:33	1
Arsenic	0.0030		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:33	1
Barium	0.068		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:33	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:33	1
Cadmium	0.000046	J	0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:33	1
Chromium	0.00048	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:33	1
Cobalt	0.000091	J	0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:33	1
Copper	0.00089	J	0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:33	1
Iron	0.061	J	0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:33	1
Lead	0.000088	J	0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:33	1
Nickel	0.0049		0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:33	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:33	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:33	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:33	1
Vanadium	0.0030	J	0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:33	1
Zinc	0.0016	J	0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.14	J	0.20	0.030	mg/L			07/28/23 21:20	1
Nitrate Nitrite as N (EPA 300.0)	4.3		0.40	0.070	mg/L			07/28/23 21:20	1
Chloride (EPA 300.0)	45		1.5	0.43	mg/L			07/28/23 21:20	1
Sulfate (EPA 300.0)	71		1.5	0.80	mg/L			07/28/23 21:20	1
Ammonia (EPA 350.1)	0.040	J	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 13:05	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-09

Lab Sample ID: 580-130012-9

Date Collected: 07/27/23 11:35

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.8		0.50	0.26	mg/L			08/02/23 22:49	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	450		7.0	7.0	mg/L			08/05/23 20:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	450		7.0	7.0	mg/L			08/05/23 20:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/05/23 20:15	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/05/23 20:15	1
Total Dissolved Solids (SM 2540C)	570		10	10	mg/L			08/01/23 17:37	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-10

Lab Sample ID: 580-130012-10

Date Collected: 07/27/23 09:19

E7D

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/30/23 01:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120					07/30/23 01:04	1
1,2-Dichloroethane-d4 (Surr)	101		68 - 120					07/30/23 01:04	1
4-Bromofluorobenzene (Surr)	96		80 - 125					07/30/23 01:04	1
Dibromofluoromethane (Surr)	108		80 - 120					07/30/23 01:04	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 20:21	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/01/23 20:21	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 20:21	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 20:21	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/01/23 20:21	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 20:21	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 20:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 20:21	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 20:21	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/01/23 20:21	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 20:21	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 20:21	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/01/23 20:21	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 20:21	1
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 20:21	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 20:21	1
Acetone	ND		10	3.1	ug/L			08/01/23 20:21	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 20:21	1
Benzene	ND		0.20	0.030	ug/L			08/01/23 20:21	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 20:21	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 20:21	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 20:21	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 20:21	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 20:21	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 20:21	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 20:21	1
Chloroethane	ND		0.50	0.096	ug/L			08/01/23 20:21	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 20:21	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 20:21	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 20:21	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 20:21	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 20:21	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 20:21	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 20:21	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 20:21	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 20:21	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 20:21	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 20:21	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 20:21	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 20:21	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-10

Lab Sample ID: 580-130012-10

Date Collected: 07/27/23 09:19

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.34		0.20	0.050	ug/L			08/01/23 20:21	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 20:21	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 20:21	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 20:21	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 20:21	1
Trichlorofluoromethane	3.2		0.50	0.12	ug/L			08/01/23 20:21	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 20:21	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/01/23 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120					08/01/23 20:21	1
4-Bromofluorobenzene (Surr)	97		80 - 120					08/01/23 20:21	1
Dibromofluoromethane (Surr)	90		80 - 120					08/01/23 20:21	1
Toluene-d8 (Surr)	95		80 - 120					08/01/23 20:21	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	44		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:31	1
Iron	ND		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:31	1
Magnesium	9.3		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:31	1
Manganese	0.087		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:31	1
Potassium	5.8		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:31	1
Sodium	64		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0014		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:38	1
Arsenic	0.0011		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:38	1
Barium	0.059		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:38	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:38	1
Cadmium	0.00018	J	0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:38	1
Chromium	0.0017		0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:38	1
Cobalt	0.00043		0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:38	1
Copper	0.011		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:38	1
Iron	0.53		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:38	1
Lead	0.0013		0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:38	1
Nickel	0.0030		0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:38	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:38	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:38	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:38	1
Vanadium	0.00076	J	0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:38	1
Zinc	0.20		0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			07/28/23 21:32	1
Nitrate Nitrite as N (EPA 300.0)	1.2		0.40	0.070	mg/L			07/28/23 21:32	1
Chloride (EPA 300.0)	59		1.5	0.43	mg/L			07/28/23 21:32	1
Sulfate (EPA 300.0)	57		1.5	0.80	mg/L			07/28/23 21:32	1
Ammonia (EPA 350.1)	0.050	J	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 13:06	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-10

Date Collected: 07/27/23 09:19

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-10

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	2.6		0.50	0.26	mg/L			08/02/23 23:09	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	88		7.0	7.0	mg/L			08/05/23 20:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	88		7.0	7.0	mg/L			08/05/23 20:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/05/23 20:15	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/05/23 20:15	1
Total Dissolved Solids (SM 2540C)	240		10	10	mg/L			08/02/23 15:51	1
Chemical Oxygen Demand (SM 5220D)	11		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-11

Date Collected: 07/27/23 10:00

Date Received: 07/28/23 12:35

DNR

Lab Sample ID: 580-130012-11

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/30/23 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120					07/30/23 01:30	1
1,2-Dichloroethane-d4 (Surr)	102		68 - 120					07/30/23 01:30	1
4-Bromofluorobenzene (Surr)	95		80 - 125					07/30/23 01:30	1
Dibromofluoromethane (Surr)	105		80 - 120					07/30/23 01:30	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/09/23 00:19	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/09/23 00:19	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/09/23 00:19	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/09/23 00:19	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/09/23 00:19	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/09/23 00:19	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/09/23 00:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/09/23 00:19	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/09/23 00:19	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/09/23 00:19	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/09/23 00:19	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/09/23 00:19	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/09/23 00:19	1
2-Butanone	ND		10	2.5	ug/L			08/09/23 00:19	1
2-Hexanone	ND		3.0	0.94	ug/L			08/09/23 00:19	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/09/23 00:19	1
Acetone	ND	*+ *1	10	3.1	ug/L			08/09/23 00:19	1
Acrylonitrile	ND		10	2.0	ug/L			08/09/23 00:19	1
Benzene	ND		0.20	0.030	ug/L			08/09/23 00:19	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/09/23 00:19	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/09/23 00:19	1
Bromoform	ND		0.50	0.16	ug/L			08/09/23 00:19	1
Bromomethane	ND		0.50	0.13	ug/L			08/09/23 00:19	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/09/23 00:19	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/09/23 00:19	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/09/23 00:19	1
Chloroethane	ND		0.50	0.096	ug/L			08/09/23 00:19	1
Chloroform	ND		0.20	0.030	ug/L			08/09/23 00:19	1
Chloromethane	ND		0.50	0.14	ug/L			08/09/23 00:19	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/09/23 00:19	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/09/23 00:19	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/09/23 00:19	1
Dibromomethane	ND		0.20	0.062	ug/L			08/09/23 00:19	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/09/23 00:19	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/09/23 00:19	1
Methyl iodide	ND		0.50	0.070	ug/L			08/09/23 00:19	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/09/23 00:19	1
o-Xylene	ND		0.50	0.15	ug/L			08/09/23 00:19	1
Styrene	ND		1.0	0.19	ug/L			08/09/23 00:19	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/09/23 00:19	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-11

Lab Sample ID: 580-130012-11

Date Collected: 07/27/23 10:00

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			08/09/23 00:19	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/09/23 00:19	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/09/23 00:19	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/09/23 00:19	1
Trichloroethene	ND		0.20	0.066	ug/L			08/09/23 00:19	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/09/23 00:19	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/09/23 00:19	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/09/23 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		08/09/23 00:19	1
4-Bromofluorobenzene (Surr)	101		80 - 120		08/09/23 00:19	1
Dibromofluoromethane (Surr)	100		80 - 120		08/09/23 00:19	1
Toluene-d8 (Surr)	97		80 - 120		08/09/23 00:19	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	73		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:34	1
Iron	0.35		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:34	1
Magnesium	51		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:34	1
Manganese	0.19		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:34	1
Potassium	7.1		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:34	1
Sodium	28		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:43	1
Arsenic	0.0071		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:43	1
Barium	0.030		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:43	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:43	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:43	1
Chromium	0.00028	J	0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:43	1
Cobalt	ND		0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:43	1
Copper	0.00060	J	0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:43	1
Iron	0.42		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:43	1
Lead	0.000051	J	0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:43	1
Nickel	0.00017	J	0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:43	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:43	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:43	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:43	1
Vanadium	ND		0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:43	1
Zinc	0.079		0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.30		0.20	0.030	mg/L			07/28/23 21:44	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40	0.070	mg/L			07/28/23 21:44	1
Chloride (EPA 300.0)	12		1.5	0.43	mg/L			07/28/23 21:44	1
Sulfate (EPA 300.0)	25		1.5	0.80	mg/L			07/28/23 21:44	1
Ammonia (EPA 350.1)	0.056	J	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 13:08	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-11

Lab Sample ID: 580-130012-11

Date Collected: 07/27/23 10:00

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.0		0.50	0.26	mg/L			08/02/23 23:28	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	370		7.0	7.0	mg/L			08/05/23 20:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	370		7.0	7.0	mg/L			08/05/23 20:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/05/23 20:15	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/05/23 20:15	1
Total Dissolved Solids (SM 2540C)	410		10	10	mg/L			08/02/23 15:51	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-12

Date Collected: 07/27/23 09:30

Date Received: 07/28/23 12:35

WRI

Lab Sample ID: 580-130012-12

Matrix: Water

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/30/23 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120					07/30/23 01:56	1
1,2-Dichloroethane-d4 (Surr)	101		68 - 120					07/30/23 01:56	1
4-Bromofluorobenzene (Surr)	96		80 - 125					07/30/23 01:56	1
Dibromofluoromethane (Surr)	106		80 - 120					07/30/23 01:56	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 21:09	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/01/23 21:09	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 21:09	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 21:09	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/01/23 21:09	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 21:09	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 21:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 21:09	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 21:09	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/01/23 21:09	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 21:09	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 21:09	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/01/23 21:09	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 21:09	1
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 21:09	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 21:09	1
Acetone	ND		10	3.1	ug/L			08/01/23 21:09	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 21:09	1
Benzene	0.035	J	0.20	0.030	ug/L			08/01/23 21:09	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 21:09	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 21:09	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 21:09	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 21:09	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 21:09	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 21:09	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 21:09	1
Chloroethane	ND		0.50	0.096	ug/L			08/01/23 21:09	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 21:09	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 21:09	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 21:09	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 21:09	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 21:09	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 21:09	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 21:09	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 21:09	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 21:09	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 21:09	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 21:09	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 21:09	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 21:09	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-12

Lab Sample ID: 580-130012-12

Date Collected: 07/27/23 09:30

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.31		0.20	0.050	ug/L			08/01/23 21:09	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 21:09	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 21:09	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 21:09	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 21:09	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/01/23 21:09	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 21:09	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/01/23 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120					08/01/23 21:09	1
4-Bromofluorobenzene (Surr)	96		80 - 120					08/01/23 21:09	1
Dibromofluoromethane (Surr)	83		80 - 120					08/01/23 21:09	1
Toluene-d8 (Surr)	95		80 - 120					08/01/23 21:09	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	89		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 16:37	1
Iron	ND		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 16:37	1
Magnesium	53		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 16:37	1
Manganese	ND		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 16:37	1
Potassium	6.0		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 16:37	1
Sodium	35		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 16:37	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00033	J	0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 15:49	1
Arsenic	0.0029		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 15:49	1
Barium	0.023		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 15:49	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 15:49	1
Cadmium	0.00012	J	0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 15:49	1
Chromium	0.0022		0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 15:49	1
Cobalt	0.000063	J	0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 15:49	1
Copper	0.13		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 15:49	1
Iron	0.21		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 15:49	1
Lead	0.0060		0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 15:49	1
Nickel	0.015		0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 15:49	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 15:49	1
Silver	0.000028	J	0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 15:49	1
Thallium	0.00016	J	0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 15:49	1
Vanadium	0.0025	J	0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 15:49	1
Zinc	0.58		0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.26		0.20	0.030	mg/L			07/28/23 21:55	1
Nitrate Nitrite as N (EPA 300.0)	1.9		0.40	0.070	mg/L			07/28/23 21:55	1
Chloride (EPA 300.0)	32		1.5	0.43	mg/L			07/28/23 21:55	1
Sulfate (EPA 300.0)	46		1.5	0.80	mg/L			07/28/23 21:55	1
Ammonia (EPA 350.1)	0.046	J	0.075	0.029	mg/L		08/09/23 10:48	08/09/23 13:09	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-12

Lab Sample ID: 580-130012-12

Date Collected: 07/27/23 09:30

Matrix: Water

Date Received: 07/28/23 12:35

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.6		0.50	0.26	mg/L			08/02/23 23:47	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	350		7.0	7.0	mg/L			08/05/23 20:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	350		7.0	7.0	mg/L			08/05/23 20:15	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			08/05/23 20:15	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			08/05/23 20:15	1
Total Dissolved Solids (SM 2540C)	560		10	10	mg/L			08/02/23 15:51	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: Trip Blanks

Lab Sample ID: 580-130012-13

Date Collected: 07/27/23 00:01

Matrix: Water

Date Received: 07/28/23 12:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 21:33	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/01/23 21:33	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 21:33	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 21:33	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/01/23 21:33	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 21:33	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 21:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 21:33	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 21:33	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			08/01/23 21:33	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 21:33	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 21:33	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/01/23 21:33	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 21:33	1
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 21:33	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 21:33	1
Acetone	ND		10	3.1	ug/L			08/01/23 21:33	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 21:33	1
Benzene	0.033	J	0.20	0.030	ug/L			08/01/23 21:33	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 21:33	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 21:33	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 21:33	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 21:33	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 21:33	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 21:33	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 21:33	1
Chloroethane	ND		0.50	0.096	ug/L			08/01/23 21:33	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 21:33	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 21:33	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 21:33	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 21:33	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 21:33	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 21:33	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 21:33	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 21:33	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 21:33	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 21:33	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 21:33	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 21:33	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 21:33	1
Toluene	0.36		0.20	0.050	ug/L			08/01/23 21:33	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 21:33	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 21:33	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 21:33	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 21:33	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/01/23 21:33	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 21:33	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/01/23 21:33	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: Trip Blanks

Lab Sample ID: 580-130012-13

Date Collected: 07/27/23 00:01

Matrix: Water

Date Received: 07/28/23 12:35

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		08/01/23 21:33	1
4-Bromofluorobenzene (Surr)	97		80 - 120		08/01/23 21:33	1
Dibromofluoromethane (Surr)	84		80 - 120		08/01/23 21:33	1
Toluene-d8 (Surr)	94		80 - 120		08/01/23 21:33	1

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-433277/8

Matrix: Water

Analysis Batch: 433277

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			07/31/23 16:25	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			07/31/23 16:25	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			07/31/23 16:25	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			07/31/23 16:25	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			07/31/23 16:25	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			07/31/23 16:25	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			07/31/23 16:25	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			07/31/23 16:25	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			07/31/23 16:25	1
1,2-Dichlorobenzene	0.121	J	0.30	0.038	ug/L			07/31/23 16:25	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			07/31/23 16:25	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			07/31/23 16:25	1
1,4-Dichlorobenzene	0.127	J	0.30	0.050	ug/L			07/31/23 16:25	1
2-Butanone	ND		10	2.5	ug/L			07/31/23 16:25	1
2-Hexanone	ND		3.0	0.94	ug/L			07/31/23 16:25	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			07/31/23 16:25	1
Acetone	3.83	J	10	3.1	ug/L			07/31/23 16:25	1
Acrylonitrile	ND		10	2.0	ug/L			07/31/23 16:25	1
Benzene	ND		0.20	0.030	ug/L			07/31/23 16:25	1
Bromochloromethane	ND		0.20	0.050	ug/L			07/31/23 16:25	1
Bromodichloromethane	ND		0.20	0.060	ug/L			07/31/23 16:25	1
Bromoform	ND		0.50	0.16	ug/L			07/31/23 16:25	1
Bromomethane	ND		0.50	0.13	ug/L			07/31/23 16:25	1
Carbon disulfide	ND		0.30	0.083	ug/L			07/31/23 16:25	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			07/31/23 16:25	1
Chlorobenzene	ND		0.20	0.060	ug/L			07/31/23 16:25	1
Chloroethane	ND		0.50	0.096	ug/L			07/31/23 16:25	1
Chloroform	ND		0.20	0.030	ug/L			07/31/23 16:25	1
Chloromethane	ND		0.50	0.14	ug/L			07/31/23 16:25	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			07/31/23 16:25	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			07/31/23 16:25	1
Dibromochloromethane	ND		0.20	0.055	ug/L			07/31/23 16:25	1
Dibromomethane	ND		0.20	0.062	ug/L			07/31/23 16:25	1
Ethylbenzene	ND		0.20	0.030	ug/L			07/31/23 16:25	1
m,p-Xylene	ND		0.50	0.12	ug/L			07/31/23 16:25	1
Methyl iodide	ND		0.50	0.070	ug/L			07/31/23 16:25	1
Methylene Chloride	ND		5.0	1.2	ug/L			07/31/23 16:25	1
o-Xylene	ND		0.50	0.15	ug/L			07/31/23 16:25	1
Styrene	ND		1.0	0.19	ug/L			07/31/23 16:25	1
Tetrachloroethene	ND		0.50	0.084	ug/L			07/31/23 16:25	1
Toluene	ND		0.20	0.050	ug/L			07/31/23 16:25	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			07/31/23 16:25	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			07/31/23 16:25	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			07/31/23 16:25	1
Trichloroethene	ND		0.20	0.066	ug/L			07/31/23 16:25	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			07/31/23 16:25	1
Vinyl acetate	ND		2.0	0.44	ug/L			07/31/23 16:25	1
Vinyl chloride	ND		0.10	0.040	ug/L			07/31/23 16:25	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-433277/8

Matrix: Water

Analysis Batch: 433277

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		07/31/23 16:25	1
4-Bromofluorobenzene (Surr)	93		80 - 120		07/31/23 16:25	1
Dibromofluoromethane (Surr)	101		80 - 120		07/31/23 16:25	1
Toluene-d8 (Surr)	99		80 - 120		07/31/23 16:25	1

Lab Sample ID: LCS 580-433277/4

Matrix: Water

Analysis Batch: 433277

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.23		ug/L		105	69 - 127
1,1,1-Trichloroethane	5.00	5.00		ug/L		100	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.48		ug/L		110	67 - 136
1,1,2-Trichloroethane	5.00	5.01		ug/L		100	73 - 127
1,1-Dichloroethane	5.00	4.95		ug/L		99	74 - 120
1,1-Dichloroethene	5.00	5.09		ug/L		102	60 - 129
1,2,3-Trichloropropane	5.00	5.54		ug/L		111	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	6.06		ug/L		121	55 - 135
1,2-Dibromoethane	5.00	5.27		ug/L		105	61 - 143
1,2-Dichlorobenzene	5.00	5.37		ug/L		107	72 - 129
1,2-Dichloroethane	5.00	4.73		ug/L		95	74 - 127
1,2-Dichloropropane	5.00	5.14		ug/L		103	69 - 130
1,4-Dichlorobenzene	5.00	5.33		ug/L		107	71 - 129
2-Butanone	25.0	27.4		ug/L		110	37 - 150
2-Hexanone	25.0	26.8		ug/L		107	56 - 150
4-Methyl-2-pentanone	25.0	26.8		ug/L		107	63 - 137
Acetone	25.0	32.5		ug/L		130	49 - 150
Acrylonitrile	50.0	55.6		ug/L		111	50 - 145
Benzene	5.00	4.95		ug/L		99	80 - 120
Bromochloromethane	5.00	5.10		ug/L		102	79 - 121
Bromodichloromethane	5.00	5.07		ug/L		101	74 - 131
Bromoform	5.00	5.12		ug/L		102	48 - 127
Bromomethane	5.00	4.55		ug/L		91	51 - 148
Carbon disulfide	5.00	5.11		ug/L		102	54 - 142
Carbon tetrachloride	5.00	5.14		ug/L		103	66 - 130
Chlorobenzene	5.00	5.08		ug/L		102	74 - 123
Chloroethane	5.00	4.65		ug/L		93	54 - 140
Chloroform	5.00	4.91		ug/L		98	75 - 120
Chloromethane	5.00	4.40		ug/L		88	32 - 150
cis-1,2-Dichloroethene	5.00	4.93		ug/L		99	72 - 120
cis-1,3-Dichloropropene	5.00	5.35		ug/L		107	77 - 131
Dibromochloromethane	5.00	5.31		ug/L		106	62 - 141
Dibromomethane	5.00	5.14		ug/L		103	65 - 141
Ethylbenzene	5.00	5.25		ug/L		105	80 - 124
m,p-Xylene	5.00	5.30		ug/L		106	75 - 124
Methyl iodide	5.00	4.95		ug/L		99	60 - 128
Methylene Chloride	5.00	4.92	J	ug/L		98	40 - 142
o-Xylene	5.00	5.37		ug/L		107	71 - 124

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-433277/4

Matrix: Water

Analysis Batch: 433277

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	5.00	4.95		ug/L		99	74 - 127
Tetrachloroethene	5.00	5.26		ug/L		105	75 - 124
Toluene	5.00	5.13		ug/L		103	80 - 126
trans-1,2-Dichloroethene	5.00	5.01		ug/L		100	69 - 121
trans-1,3-Dichloropropene	5.00	5.23		ug/L		105	71 - 138
trans-1,4-Dichloro-2-butene	5.00	5.32		ug/L		106	20 - 150
Trichloroethene	5.00	4.96		ug/L		99	72 - 120
Trichlorofluoromethane	5.00	4.65		ug/L		93	60 - 132
Vinyl acetate	12.5	12.1		ug/L		97	38 - 150
Vinyl chloride	5.00	4.47		ug/L		89	41 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 580-433277/5

Matrix: Water

Analysis Batch: 433277

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.90		ug/L		98	69 - 127	7	22
1,1,1-Trichloroethane	5.00	4.59		ug/L		92	70 - 121	8	24
1,1,2,2-Tetrachloroethane	5.00	5.14		ug/L		103	67 - 136	6	24
1,1,2-Trichloroethane	5.00	5.10		ug/L		102	73 - 127	2	22
1,1-Dichloroethane	5.00	4.54		ug/L		91	74 - 120	9	26
1,1-Dichloroethene	5.00	4.63		ug/L		93	60 - 129	10	29
1,2,3-Trichloropropane	5.00	5.26		ug/L		105	67 - 135	5	25
1,2-Dibromo-3-Chloropropane	5.00	5.03		ug/L		101	55 - 135	19	29
1,2-Dibromoethane	5.00	5.29		ug/L		106	61 - 143	0	22
1,2-Dichlorobenzene	5.00	5.00		ug/L		100	72 - 129	7	22
1,2-Dichloroethane	5.00	4.80		ug/L		96	74 - 127	1	21
1,2-Dichloropropane	5.00	5.23		ug/L		105	69 - 130	2	22
1,4-Dichlorobenzene	5.00	4.95		ug/L		99	71 - 129	7	22
2-Butanone	25.0	26.6		ug/L		106	37 - 150	3	35
2-Hexanone	25.0	25.5		ug/L		102	56 - 150	5	29
4-Methyl-2-pentanone	25.0	25.0		ug/L		100	63 - 137	7	26
Acetone	25.0	28.5		ug/L		114	49 - 150	13	24
Acrylonitrile	50.0	51.1		ug/L		102	50 - 145	8	33
Benzene	5.00	4.86		ug/L		97	80 - 120	2	22
Bromochloromethane	5.00	4.77		ug/L		95	79 - 121	7	20
Bromodichloromethane	5.00	5.09		ug/L		102	74 - 131	0	21
Bromoform	5.00	4.82		ug/L		96	48 - 127	6	23
Bromomethane	5.00	4.20		ug/L		84	51 - 148	8	35
Carbon disulfide	5.00	4.64		ug/L		93	54 - 142	10	34
Carbon tetrachloride	5.00	4.73		ug/L		95	66 - 130	8	24
Chlorobenzene	5.00	4.95		ug/L		99	74 - 123	3	21

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-433277/5

Matrix: Water

Analysis Batch: 433277

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	5.00	4.17		ug/L		83	54 - 140	11	33
Chloroform	5.00	4.67		ug/L		93	75 - 120	5	21
Chloromethane	5.00	4.09		ug/L		82	32 - 150	7	33
cis-1,2-Dichloroethene	5.00	4.65		ug/L		93	72 - 120	6	22
cis-1,3-Dichloropropene	5.00	5.43		ug/L		109	77 - 131	2	24
Dibromochloromethane	5.00	5.24		ug/L		105	62 - 141	1	22
Dibromomethane	5.00	5.16		ug/L		103	65 - 141	0	22
Ethylbenzene	5.00	5.08		ug/L		102	80 - 124	3	22
m,p-Xylene	5.00	5.05		ug/L		101	75 - 124	5	22
Methyl iodide	5.00	4.55		ug/L		91	60 - 128	8	39
Methylene Chloride	5.00	4.42	J	ug/L		88	40 - 142	11	25
o-Xylene	5.00	5.13		ug/L		103	71 - 124	5	23
Styrene	5.00	4.81		ug/L		96	74 - 127	3	22
Tetrachloroethene	5.00	5.03		ug/L		101	75 - 124	4	20
Toluene	5.00	4.98		ug/L		100	80 - 126	3	20
trans-1,2-Dichloroethene	5.00	4.50		ug/L		90	69 - 121	11	27
trans-1,3-Dichloropropene	5.00	5.23		ug/L		105	71 - 138	0	26
trans-1,4-Dichloro-2-butene	5.00	5.19		ug/L		104	20 - 150	2	35
Trichloroethene	5.00	4.97		ug/L		99	72 - 120	0	22
Trichlorofluoromethane	5.00	4.19		ug/L		84	60 - 132	10	32
Vinyl acetate	12.5	12.2		ug/L		98	38 - 150	1	35
Vinyl chloride	5.00	4.25		ug/L		85	41 - 150	5	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 580-433367/11

Matrix: Water

Analysis Batch: 433367

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/01/23 14:15	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/01/23 14:15	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/01/23 14:15	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/01/23 14:15	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/01/23 14:15	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/01/23 14:15	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/01/23 14:15	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/01/23 14:15	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/01/23 14:15	1
1,2-Dichlorobenzene	0.0753	J	0.30	0.038	ug/L			08/01/23 14:15	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/01/23 14:15	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/01/23 14:15	1
1,4-Dichlorobenzene	0.0839	J	0.30	0.050	ug/L			08/01/23 14:15	1
2-Butanone	ND		10	2.5	ug/L			08/01/23 14:15	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-433367/11

Matrix: Water

Analysis Batch: 433367

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		3.0	0.94	ug/L			08/01/23 14:15	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/01/23 14:15	1
Acetone	5.48	J	10	3.1	ug/L			08/01/23 14:15	1
Acrylonitrile	ND		10	2.0	ug/L			08/01/23 14:15	1
Benzene	ND		0.20	0.030	ug/L			08/01/23 14:15	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/01/23 14:15	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/01/23 14:15	1
Bromoform	ND		0.50	0.16	ug/L			08/01/23 14:15	1
Bromomethane	ND		0.50	0.13	ug/L			08/01/23 14:15	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/01/23 14:15	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/01/23 14:15	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/01/23 14:15	1
Chloroethane	ND		0.50	0.096	ug/L			08/01/23 14:15	1
Chloroform	ND		0.20	0.030	ug/L			08/01/23 14:15	1
Chloromethane	ND		0.50	0.14	ug/L			08/01/23 14:15	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/01/23 14:15	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/01/23 14:15	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/01/23 14:15	1
Dibromomethane	ND		0.20	0.062	ug/L			08/01/23 14:15	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/01/23 14:15	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/01/23 14:15	1
Methyl iodide	ND		0.50	0.070	ug/L			08/01/23 14:15	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/01/23 14:15	1
o-Xylene	ND		0.50	0.15	ug/L			08/01/23 14:15	1
Styrene	ND		1.0	0.19	ug/L			08/01/23 14:15	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/01/23 14:15	1
Toluene	ND		0.20	0.050	ug/L			08/01/23 14:15	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/01/23 14:15	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/01/23 14:15	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/01/23 14:15	1
Trichloroethene	ND		0.20	0.066	ug/L			08/01/23 14:15	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/01/23 14:15	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/01/23 14:15	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/01/23 14:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		08/01/23 14:15	1
4-Bromofluorobenzene (Surr)	91		80 - 120		08/01/23 14:15	1
Dibromofluoromethane (Surr)	97		80 - 120		08/01/23 14:15	1
Toluene-d8 (Surr)	101		80 - 120		08/01/23 14:15	1

Lab Sample ID: LCS 580-433367/7

Matrix: Water

Analysis Batch: 433367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.17		ug/L		103	69 - 127
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	70 - 121

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-433367/7

Matrix: Water

Analysis Batch: 433367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	5.00	4.70		ug/L		94	67 - 136
1,1,2-Trichloroethane	5.00	4.77		ug/L		95	73 - 127
1,1-Dichloroethane	5.00	4.94		ug/L		99	74 - 120
1,1-Dichloroethene	5.00	5.04		ug/L		101	60 - 129
1,2,3-Trichloropropane	5.00	4.70		ug/L		94	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.57		ug/L		91	55 - 135
1,2-Dibromoethane	5.00	4.89		ug/L		98	61 - 143
1,2-Dichlorobenzene	5.00	4.71		ug/L		94	72 - 129
1,2-Dichloroethane	5.00	4.66		ug/L		93	74 - 127
1,2-Dichloropropane	5.00	4.94		ug/L		99	69 - 130
1,4-Dichlorobenzene	5.00	4.73		ug/L		95	71 - 129
2-Butanone	25.0	25.5		ug/L		102	37 - 150
2-Hexanone	25.0	23.2		ug/L		93	56 - 150
4-Methyl-2-pentanone	25.0	23.3		ug/L		93	63 - 137
Acetone	25.0	33.7		ug/L		135	49 - 150
Acrylonitrile	50.0	53.4		ug/L		107	50 - 145
Benzene	5.00	4.87		ug/L		97	80 - 120
Bromochloromethane	5.00	5.12		ug/L		102	79 - 121
Bromodichloromethane	5.00	4.82		ug/L		96	74 - 131
Bromoform	5.00	4.58		ug/L		92	48 - 127
Bromomethane	5.00	4.80		ug/L		96	51 - 148
Carbon disulfide	5.00	4.99		ug/L		100	54 - 142
Carbon tetrachloride	5.00	5.09		ug/L		102	66 - 130
Chlorobenzene	5.00	4.94		ug/L		99	74 - 123
Chloroethane	5.00	4.82		ug/L		96	54 - 140
Chloroform	5.00	4.91		ug/L		98	75 - 120
Chloromethane	5.00	4.77		ug/L		95	32 - 150
cis-1,2-Dichloroethene	5.00	4.96		ug/L		99	72 - 120
cis-1,3-Dichloropropene	5.00	4.91		ug/L		98	77 - 131
Dibromochloromethane	5.00	4.88		ug/L		98	62 - 141
Dibromomethane	5.00	5.01		ug/L		100	65 - 141
Ethylbenzene	5.00	5.15		ug/L		103	80 - 124
m,p-Xylene	5.00	5.09		ug/L		102	75 - 124
Methyl iodide	5.00	5.06		ug/L		101	60 - 128
Methylene Chloride	5.00	4.97	J	ug/L		99	40 - 142
o-Xylene	5.00	5.28		ug/L		106	71 - 124
Styrene	5.00	4.77		ug/L		95	74 - 127
Tetrachloroethene	5.00	5.17		ug/L		103	75 - 124
Toluene	5.00	5.01		ug/L		100	80 - 126
trans-1,2-Dichloroethene	5.00	5.11		ug/L		102	69 - 121
trans-1,3-Dichloropropene	5.00	4.82		ug/L		96	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.55		ug/L		91	20 - 150
Trichloroethene	5.00	4.98		ug/L		100	72 - 120
Trichlorofluoromethane	5.00	5.10		ug/L		102	60 - 132
Vinyl acetate	12.5	10.8		ug/L		86	38 - 150
Vinyl chloride	5.00	5.02		ug/L		100	41 - 150

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-433367/7

Matrix: Water

Analysis Batch: 433367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 580-433367/8

Matrix: Water

Analysis Batch: 433367

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.86		ug/L		97	69 - 127	6	22
1,1,1-Trichloroethane	5.00	4.68		ug/L		94	70 - 121	7	24
1,1,2,2-Tetrachloroethane	5.00	4.76		ug/L		95	67 - 136	1	24
1,1,2-Trichloroethane	5.00	4.87		ug/L		97	73 - 127	2	22
1,1-Dichloroethane	5.00	4.63		ug/L		93	74 - 120	7	26
1,1-Dichloroethene	5.00	4.64		ug/L		93	60 - 129	8	29
1,2,3-Trichloropropane	5.00	4.89		ug/L		98	67 - 135	4	25
1,2-Dibromo-3-Chloropropane	5.00	4.77		ug/L		95	55 - 135	4	29
1,2-Dibromoethane	5.00	4.83		ug/L		97	61 - 143	1	22
1,2-Dichlorobenzene	5.00	4.89		ug/L		98	72 - 129	4	22
1,2-Dichloroethane	5.00	4.65		ug/L		93	74 - 127	0	21
1,2-Dichloropropane	5.00	5.02		ug/L		100	69 - 130	2	22
1,4-Dichlorobenzene	5.00	4.69		ug/L		94	71 - 129	1	22
2-Butanone	25.0	24.5		ug/L		98	37 - 150	4	35
2-Hexanone	25.0	23.4		ug/L		94	56 - 150	1	29
4-Methyl-2-pentanone	25.0	23.6		ug/L		94	63 - 137	1	26
Acetone	25.0	32.5		ug/L		130	49 - 150	4	24
Acrylonitrile	50.0	52.1		ug/L		104	50 - 145	2	33
Benzene	5.00	4.78		ug/L		96	80 - 120	2	22
Bromochloromethane	5.00	4.77		ug/L		95	79 - 121	7	20
Bromodichloromethane	5.00	4.86		ug/L		97	74 - 131	1	21
Bromoform	5.00	4.36		ug/L		87	48 - 127	5	23
Bromomethane	5.00	4.18		ug/L		84	51 - 148	14	35
Carbon disulfide	5.00	4.44		ug/L		89	54 - 142	12	34
Carbon tetrachloride	5.00	4.82		ug/L		96	66 - 130	5	24
Chlorobenzene	5.00	4.87		ug/L		97	74 - 123	1	21
Chloroethane	5.00	4.24		ug/L		85	54 - 140	13	33
Chloroform	5.00	4.68		ug/L		94	75 - 120	5	21
Chloromethane	5.00	4.21		ug/L		84	32 - 150	13	33
cis-1,2-Dichloroethene	5.00	4.63		ug/L		93	72 - 120	7	22
cis-1,3-Dichloropropene	5.00	4.93		ug/L		99	77 - 131	1	24
Dibromochloromethane	5.00	4.85		ug/L		97	62 - 141	0	22
Dibromomethane	5.00	4.93		ug/L		99	65 - 141	2	22
Ethylbenzene	5.00	5.05		ug/L		101	80 - 124	2	22
m,p-Xylene	5.00	5.02		ug/L		100	75 - 124	1	22
Methyl iodide	5.00	4.58		ug/L		92	60 - 128	10	39
Methylene Chloride	5.00	4.60	J	ug/L		92	40 - 142	8	25
o-Xylene	5.00	5.08		ug/L		102	71 - 124	4	23

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-433367/8

Matrix: Water

Analysis Batch: 433367

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Styrene	5.00	4.64		ug/L		93	74 - 127	3	22
Tetrachloroethene	5.00	5.04		ug/L		101	75 - 124	2	20
Toluene	5.00	4.93		ug/L		99	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	4.58		ug/L		92	69 - 121	11	27
trans-1,3-Dichloropropene	5.00	4.70		ug/L		94	71 - 138	3	26
trans-1,4-Dichloro-2-butene	5.00	4.07		ug/L		81	20 - 150	11	35
Trichloroethene	5.00	4.84		ug/L		97	72 - 120	3	22
Trichlorofluoromethane	5.00	4.57		ug/L		91	60 - 132	11	32
Vinyl acetate	12.5	10.4		ug/L		83	38 - 150	3	35
Vinyl chloride	5.00	4.37		ug/L		87	41 - 150	14	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 580-434113/8

Matrix: Water

Analysis Batch: 434113

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			08/08/23 19:55	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			08/08/23 19:55	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			08/08/23 19:55	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			08/08/23 19:55	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			08/08/23 19:55	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			08/08/23 19:55	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			08/08/23 19:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			08/08/23 19:55	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			08/08/23 19:55	1
1,2-Dichlorobenzene	0.0429	J	0.30	0.038	ug/L			08/08/23 19:55	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			08/08/23 19:55	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			08/08/23 19:55	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			08/08/23 19:55	1
2-Butanone	ND		10	2.5	ug/L			08/08/23 19:55	1
2-Hexanone	ND		3.0	0.94	ug/L			08/08/23 19:55	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			08/08/23 19:55	1
Acetone	ND		10	3.1	ug/L			08/08/23 19:55	1
Acrylonitrile	ND		10	2.0	ug/L			08/08/23 19:55	1
Benzene	ND		0.20	0.030	ug/L			08/08/23 19:55	1
Bromochloromethane	ND		0.20	0.050	ug/L			08/08/23 19:55	1
Bromodichloromethane	ND		0.20	0.060	ug/L			08/08/23 19:55	1
Bromoform	ND		0.50	0.16	ug/L			08/08/23 19:55	1
Bromomethane	ND		0.50	0.13	ug/L			08/08/23 19:55	1
Carbon disulfide	ND		0.30	0.083	ug/L			08/08/23 19:55	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			08/08/23 19:55	1
Chlorobenzene	ND		0.20	0.060	ug/L			08/08/23 19:55	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-434113/8

Matrix: Water

Analysis Batch: 434113

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.50	0.096	ug/L			08/08/23 19:55	1
Chloroform	ND		0.20	0.030	ug/L			08/08/23 19:55	1
Chloromethane	ND		0.50	0.14	ug/L			08/08/23 19:55	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			08/08/23 19:55	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			08/08/23 19:55	1
Dibromochloromethane	ND		0.20	0.055	ug/L			08/08/23 19:55	1
Dibromomethane	ND		0.20	0.062	ug/L			08/08/23 19:55	1
Ethylbenzene	ND		0.20	0.030	ug/L			08/08/23 19:55	1
m,p-Xylene	ND		0.50	0.12	ug/L			08/08/23 19:55	1
Methyl iodide	ND		0.50	0.070	ug/L			08/08/23 19:55	1
Methylene Chloride	ND		5.0	1.2	ug/L			08/08/23 19:55	1
o-Xylene	ND		0.50	0.15	ug/L			08/08/23 19:55	1
Styrene	ND		1.0	0.19	ug/L			08/08/23 19:55	1
Tetrachloroethene	ND		0.50	0.084	ug/L			08/08/23 19:55	1
Toluene	ND		0.20	0.050	ug/L			08/08/23 19:55	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			08/08/23 19:55	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			08/08/23 19:55	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			08/08/23 19:55	1
Trichloroethene	ND		0.20	0.066	ug/L			08/08/23 19:55	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			08/08/23 19:55	1
Vinyl acetate	ND		2.0	0.44	ug/L			08/08/23 19:55	1
Vinyl chloride	ND		0.10	0.040	ug/L			08/08/23 19:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		08/08/23 19:55	1
4-Bromofluorobenzene (Surr)	104		80 - 120		08/08/23 19:55	1
Dibromofluoromethane (Surr)	100		80 - 120		08/08/23 19:55	1
Toluene-d8 (Surr)	101		80 - 120		08/08/23 19:55	1

Lab Sample ID: LCS 580-434113/4

Matrix: Water

Analysis Batch: 434113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.62		ug/L		92	69 - 127
1,1,1-Trichloroethane	5.00	4.77		ug/L		95	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.22		ug/L		104	67 - 136
1,1,2-Trichloroethane	5.00	5.26		ug/L		105	73 - 127
1,1-Dichloroethane	5.00	4.69		ug/L		94	74 - 120
1,1-Dichloroethene	5.00	4.67		ug/L		93	60 - 129
1,2,3-Trichloropropane	5.00	5.34		ug/L		107	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.80		ug/L		96	55 - 135
1,2-Dibromoethane	5.00	5.27		ug/L		105	61 - 143
1,2-Dichlorobenzene	5.00	5.14		ug/L		103	72 - 129
1,2-Dichloroethane	5.00	4.75		ug/L		95	74 - 127
1,2-Dichloropropane	5.00	4.84		ug/L		97	69 - 130
1,4-Dichlorobenzene	5.00	5.07		ug/L		101	71 - 129
2-Butanone	25.0	28.0		ug/L		112	37 - 150

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-434113/4

Matrix: Water

Analysis Batch: 434113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	25.0	26.8		ug/L		107	56 - 150
4-Methyl-2-pentanone	25.0	26.1		ug/L		104	63 - 137
Acetone	25.0	24.5		ug/L		98	49 - 150
Acrylonitrile	50.0	49.7		ug/L		99	50 - 145
Benzene	5.00	4.78		ug/L		96	80 - 120
Bromochloromethane	5.00	4.78		ug/L		96	79 - 121
Bromodichloromethane	5.00	5.00		ug/L		100	74 - 131
Bromoform	5.00	4.53		ug/L		91	48 - 127
Bromomethane	5.00	4.71		ug/L		94	51 - 148
Carbon disulfide	5.00	4.67		ug/L		93	54 - 142
Carbon tetrachloride	5.00	4.54		ug/L		91	66 - 130
Chlorobenzene	5.00	4.88		ug/L		98	74 - 123
Chloroethane	5.00	4.76		ug/L		95	54 - 140
Chloroform	5.00	4.86		ug/L		97	75 - 120
Chloromethane	5.00	4.61		ug/L		92	32 - 150
cis-1,2-Dichloroethene	5.00	4.63		ug/L		93	72 - 120
cis-1,3-Dichloropropene	5.00	4.77		ug/L		95	77 - 131
Dibromochloromethane	5.00	4.57		ug/L		91	62 - 141
Dibromomethane	5.00	5.11		ug/L		102	65 - 141
Ethylbenzene	5.00	4.91		ug/L		98	80 - 124
m,p-Xylene	5.00	4.91		ug/L		98	75 - 124
Methyl iodide	5.00	4.67		ug/L		93	60 - 128
Methylene Chloride	5.00	5.22		ug/L		104	40 - 142
o-Xylene	5.00	4.89		ug/L		98	71 - 124
Styrene	5.00	4.94		ug/L		99	74 - 127
Tetrachloroethene	5.00	4.73		ug/L		95	75 - 124
Toluene	5.00	4.87		ug/L		97	80 - 126
trans-1,2-Dichloroethene	5.00	4.61		ug/L		92	69 - 121
trans-1,3-Dichloropropene	5.00	4.97		ug/L		99	71 - 138
trans-1,4-Dichloro-2-butene	5.00	5.51		ug/L		110	20 - 150
Trichloroethene	5.00	4.90		ug/L		98	72 - 120
Trichlorofluoromethane	5.00	4.72		ug/L		94	60 - 132
Vinyl acetate	12.5	11.1		ug/L		88	38 - 150
Vinyl chloride	5.00	4.63		ug/L		93	41 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 580-434113/5

Matrix: Water

Analysis Batch: 434113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.74		ug/L		95	69 - 127	3	22
1,1,1-Trichloroethane	5.00	5.12		ug/L		102	70 - 121	7	24

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-434113/5

Matrix: Water

Analysis Batch: 434113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	5.00	5.05		ug/L		101	67 - 136	3	24
1,1,2-Trichloroethane	5.00	5.01		ug/L		100	73 - 127	5	22
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120	8	26
1,1-Dichloroethene	5.00	5.20		ug/L		104	60 - 129	11	29
1,2,3-Trichloropropane	5.00	5.39		ug/L		108	67 - 135	1	25
1,2-Dibromo-3-Chloropropane	5.00	5.26		ug/L		105	55 - 135	9	29
1,2-Dibromoethane	5.00	4.81		ug/L		96	61 - 143	9	22
1,2-Dichlorobenzene	5.00	5.33		ug/L		107	72 - 129	4	22
1,2-Dichloroethane	5.00	4.69		ug/L		94	74 - 127	1	21
1,2-Dichloropropane	5.00	4.62		ug/L		92	69 - 130	5	22
1,4-Dichlorobenzene	5.00	5.09		ug/L		102	71 - 129	0	22
2-Butanone	25.0	28.3		ug/L		113	37 - 150	1	35
2-Hexanone	25.0	26.7		ug/L		107	56 - 150	0	29
4-Methyl-2-pentanone	25.0	27.1		ug/L		108	63 - 137	4	26
Acetone	25.0	41.7	*+ *1	ug/L		167	49 - 150	52	24
Acrylonitrile	50.0	62.8		ug/L		126	50 - 145	23	33
Benzene	5.00	4.89		ug/L		98	80 - 120	2	22
Bromochloromethane	5.00	4.99		ug/L		100	79 - 121	4	20
Bromodichloromethane	5.00	4.75		ug/L		95	74 - 131	5	21
Bromoform	5.00	4.54		ug/L		91	48 - 127	0	23
Bromomethane	5.00	4.98		ug/L		100	51 - 148	6	35
Carbon disulfide	5.00	4.95		ug/L		99	54 - 142	6	34
Carbon tetrachloride	5.00	4.73		ug/L		95	66 - 130	4	24
Chlorobenzene	5.00	4.79		ug/L		96	74 - 123	2	21
Chloroethane	5.00	4.98		ug/L		100	54 - 140	5	33
Chloroform	5.00	5.11		ug/L		102	75 - 120	5	21
Chloromethane	5.00	4.88		ug/L		98	32 - 150	6	33
cis-1,2-Dichloroethene	5.00	4.87		ug/L		97	72 - 120	5	22
cis-1,3-Dichloropropene	5.00	4.44		ug/L		89	77 - 131	7	24
Dibromochloromethane	5.00	4.43		ug/L		89	62 - 141	3	22
Dibromomethane	5.00	4.97		ug/L		99	65 - 141	3	22
Ethylbenzene	5.00	4.99		ug/L		100	80 - 124	1	22
m,p-Xylene	5.00	5.02		ug/L		100	75 - 124	2	22
Methyl iodide	5.00	5.07		ug/L		101	60 - 128	8	39
Methylene Chloride	5.00	5.88		ug/L		118	40 - 142	12	25
o-Xylene	5.00	5.14		ug/L		103	71 - 124	5	23
Styrene	5.00	4.98		ug/L		100	74 - 127	1	22
Tetrachloroethene	5.00	4.85		ug/L		97	75 - 124	3	20
Toluene	5.00	4.81		ug/L		96	80 - 126	1	20
trans-1,2-Dichloroethene	5.00	5.13		ug/L		103	69 - 121	11	27
trans-1,3-Dichloropropene	5.00	4.52		ug/L		90	71 - 138	10	26
trans-1,4-Dichloro-2-butene	5.00	4.86		ug/L		97	20 - 150	13	35
Trichloroethene	5.00	4.85		ug/L		97	72 - 120	1	22
Trichlorofluoromethane	5.00	4.99		ug/L		100	60 - 132	6	32
Vinyl acetate	12.5	11.1		ug/L		88	38 - 150	0	35
Vinyl chloride	5.00	4.85		ug/L		97	41 - 150	5	32

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-434113/5

Matrix: Water

Analysis Batch: 434113

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-433168/7

Matrix: Water

Analysis Batch: 433168

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			07/29/23 18:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120					07/29/23 18:52	1
1,2-Dichloroethane-d4 (Surr)	102		68 - 120					07/29/23 18:52	1
4-Bromofluorobenzene (Surr)	98		80 - 125					07/29/23 18:52	1
Dibromofluoromethane (Surr)	105		80 - 120					07/29/23 18:52	1

Lab Sample ID: LCS 580-433168/4

Matrix: Water

Analysis Batch: 433168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vinyl chloride	5.00	4.87		ug/L		97	68 - 150		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Toluene-d8 (Surr)	101		80 - 120						
1,2-Dichloroethane-d4 (Surr)	97		68 - 120						
4-Bromofluorobenzene (Surr)	100		80 - 125						
Dibromofluoromethane (Surr)	101		80 - 120						

Lab Sample ID: LCSD 580-433168/5

Matrix: Water

Analysis Batch: 433168

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	4.57		ug/L		91	68 - 150	6	21
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	101		80 - 120						
1,2-Dichloroethane-d4 (Surr)	96		68 - 120						
4-Bromofluorobenzene (Surr)	99		80 - 125						
Dibromofluoromethane (Surr)	100		80 - 120						

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-434212/7

Matrix: Water

Analysis Batch: 434212

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			08/10/23 10:45	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120					08/10/23 10:45	1
1,2-Dichloroethane-d4 (Surr)	100		68 - 120					08/10/23 10:45	1
4-Bromofluorobenzene (Surr)	98		80 - 125					08/10/23 10:45	1
Dibromofluoromethane (Surr)	102		80 - 120					08/10/23 10:45	1

Lab Sample ID: LCS 580-434212/4

Matrix: Water

Analysis Batch: 434212

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.00	6.10		ug/L		122	68 - 150
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	99		80 - 120				
1,2-Dichloroethane-d4 (Surr)	101		68 - 120				
4-Bromofluorobenzene (Surr)	97		80 - 125				
Dibromofluoromethane (Surr)	103		80 - 120				

Lab Sample ID: LCSD 580-434212/5

Matrix: Water

Analysis Batch: 434212

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	4.30	*1	ug/L		86	68 - 150	35	21
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	97		80 - 120						
1,2-Dichloroethane-d4 (Surr)	101		68 - 120						
4-Bromofluorobenzene (Surr)	97		80 - 125						
Dibromofluoromethane (Surr)	103		80 - 120						

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-433414/25-A

Matrix: Water

Analysis Batch: 433642

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 433414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.077	mg/L		08/01/23 15:21	08/02/23 15:45	1
Iron	ND		0.30	0.061	mg/L		08/01/23 15:21	08/02/23 15:45	1
Magnesium	ND		0.50	0.047	mg/L		08/01/23 15:21	08/02/23 15:45	1
Manganese	ND		0.020	0.0017	mg/L		08/01/23 15:21	08/02/23 15:45	1
Potassium	ND		3.3	0.17	mg/L		08/01/23 15:21	08/02/23 15:45	1
Sodium	ND		0.50	0.33	mg/L		08/01/23 15:21	08/02/23 15:45	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 580-433414/26-A
Matrix: Water
Analysis Batch: 433642

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 433414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	21.4		mg/L		107	80 - 120
Iron	20.0	22.9		mg/L		115	80 - 120
Magnesium	20.0	22.5		mg/L		113	80 - 120
Manganese	1.00	1.14		mg/L		114	80 - 120
Potassium	20.0	20.7		mg/L		104	80 - 120
Sodium	20.0	21.3		mg/L		107	80 - 120

Lab Sample ID: LCSD 580-433414/27-A
Matrix: Water
Analysis Batch: 433642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 433414

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	21.9		mg/L		109	80 - 120	2	20
Iron	20.0	23.4		mg/L		117	80 - 120	2	20
Magnesium	20.0	22.7		mg/L		113	80 - 120	1	20
Manganese	1.00	1.15		mg/L		115	80 - 120	0	20
Potassium	20.0	21.3		mg/L		106	80 - 120	3	20
Sodium	20.0	21.6		mg/L		108	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-433320/22-A
Matrix: Water
Analysis Batch: 433459

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 433320

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		07/31/23 16:24	08/01/23 14:20	1
Arsenic	ND		0.0010	0.00020	mg/L		07/31/23 16:24	08/01/23 14:20	1
Barium	ND		0.0012	0.00021	mg/L		07/31/23 16:24	08/01/23 14:20	1
Beryllium	ND		0.00040	0.00011	mg/L		07/31/23 16:24	08/01/23 14:20	1
Cadmium	ND		0.00040	0.000037	mg/L		07/31/23 16:24	08/01/23 14:20	1
Chromium	ND		0.00080	0.00017	mg/L		07/31/23 16:24	08/01/23 14:20	1
Cobalt	ND		0.00040	0.000039	mg/L		07/31/23 16:24	08/01/23 14:20	1
Copper	ND		0.0020	0.00060	mg/L		07/31/23 16:24	08/01/23 14:20	1
Iron	ND		0.10	0.013	mg/L		07/31/23 16:24	08/01/23 14:20	1
Lead	ND		0.00040	0.000040	mg/L		07/31/23 16:24	08/01/23 14:20	1
Nickel	ND		0.0030	0.00013	mg/L		07/31/23 16:24	08/01/23 14:20	1
Selenium	ND		0.0080	0.0021	mg/L		07/31/23 16:24	08/01/23 14:20	1
Silver	ND		0.00040	0.000025	mg/L		07/31/23 16:24	08/01/23 14:20	1
Thallium	ND		0.0010	0.000029	mg/L		07/31/23 16:24	08/01/23 14:20	1
Vanadium	ND		0.0040	0.00046	mg/L		07/31/23 16:24	08/01/23 14:20	1
Zinc	ND		0.0070	0.00093	mg/L		07/31/23 16:24	08/01/23 14:20	1

Lab Sample ID: LCS 580-433320/23-A
Matrix: Water
Analysis Batch: 433459

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 433320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.979		mg/L		98	80 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-433320/23-A
Matrix: Water
Analysis Batch: 433459

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 433320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.02		mg/L		102	80 - 120
Barium	1.00	0.971		mg/L		97	80 - 120
Beryllium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	0.984		mg/L		98	80 - 120
Chromium	1.00	1.03		mg/L		103	80 - 120
Cobalt	1.00	1.03		mg/L		103	80 - 120
Copper	1.00	1.04		mg/L		104	80 - 120
Iron	20.0	20.6		mg/L		103	80 - 120
Lead	1.00	0.978		mg/L		98	80 - 120
Nickel	1.00	1.03		mg/L		103	80 - 120
Selenium	1.00	0.990		mg/L		99	80 - 120
Silver	1.00	0.999		mg/L		100	80 - 120
Thallium	1.00	0.954		mg/L		95	80 - 120
Vanadium	1.00	1.02		mg/L		102	80 - 120
Zinc	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCSD 580-433320/24-A
Matrix: Water
Analysis Batch: 433459

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 433320

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.968		mg/L		97	80 - 120	1	20
Arsenic	1.00	1.03		mg/L		103	80 - 120	1	20
Barium	1.00	0.963		mg/L		96	80 - 120	1	20
Beryllium	1.00	1.00		mg/L		100	80 - 120	1	20
Cadmium	1.00	0.988		mg/L		99	80 - 120	0	20
Chromium	1.00	1.05		mg/L		105	80 - 120	2	20
Cobalt	1.00	1.04		mg/L		104	80 - 120	1	20
Copper	1.00	1.04		mg/L		104	80 - 120	0	20
Iron	20.0	21.2		mg/L		106	80 - 120	3	20
Lead	1.00	0.995		mg/L		100	80 - 120	2	20
Nickel	1.00	1.04		mg/L		104	80 - 120	1	20
Selenium	1.00	1.04		mg/L		104	80 - 120	5	20
Silver	1.00	1.00		mg/L		100	80 - 120	0	20
Thallium	1.00	0.968		mg/L		97	80 - 120	2	20
Vanadium	1.00	1.05		mg/L		105	80 - 120	3	20
Zinc	1.00	1.03		mg/L		103	80 - 120	0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-433248/3
Matrix: Water
Analysis Batch: 433248

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.030	mg/L			07/28/23 18:48	1
Chloride	ND		1.5	0.43	mg/L			07/28/23 18:48	1
Sulfate	ND		1.5	0.80	mg/L			07/28/23 18:48	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-433248/4

Matrix: Water

Analysis Batch: 433248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.84		mg/L		97	90 - 110
Chloride	50.0	51.5		mg/L		103	90 - 110
Sulfate	50.0	50.2		mg/L		100	90 - 110

Lab Sample ID: LCSD 580-433248/5

Matrix: Water

Analysis Batch: 433248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	4.93		mg/L		99	90 - 110	2	15
Chloride	50.0	51.5		mg/L		103	90 - 110	0	15
Sulfate	50.0	50.2		mg/L		100	90 - 110	0	15

Lab Sample ID: 580-130012-1 MS

Matrix: Water

Analysis Batch: 433248

Client Sample ID: 0723-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.22		5.00	5.29		mg/L		101	90 - 110
Chloride	35	F1	50.0	66.9	F1	mg/L		64	90 - 110
Sulfate	47		50.0	94.1		mg/L		95	90 - 110

Lab Sample ID: 580-130012-1 MSD

Matrix: Water

Analysis Batch: 433248

Client Sample ID: 0723-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.22		5.00	5.30		mg/L		102	90 - 110	0	15
Chloride	35	F1	50.0	66.2	F1	mg/L		63	90 - 110	1	15
Sulfate	47		50.0	93.6		mg/L		94	90 - 110	1	15

Lab Sample ID: MB 580-433249/3

Matrix: Water

Analysis Batch: 433249

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.40	0.070	mg/L			07/28/23 18:48	1

Lab Sample ID: LCS 580-433249/4

Matrix: Water

Analysis Batch: 433249

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	10.0	10.6		mg/L		106	90 - 110

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 580-433249/5

Matrix: Water

Analysis Batch: 433249

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	10.0	10.6		mg/L		106	90 - 110	0	15

Lab Sample ID: 580-130012-1 MS

Matrix: Water

Analysis Batch: 433249

Client Sample ID: 0723-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		10.0	10.6		mg/L		106	90 - 110		

Lab Sample ID: 580-130012-1 MSD

Matrix: Water

Analysis Batch: 433249

Client Sample ID: 0723-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		10.0	10.5		mg/L		105	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-353438/5-A

Matrix: Water

Analysis Batch: 353449

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 353438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075	0.029	mg/L		08/09/23 10:48	08/09/23 12:26	1

Lab Sample ID: LCS 570-353438/6-A

Matrix: Water

Analysis Batch: 353449

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 353438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.500	0.497		mg/L		99	90 - 110		

Lab Sample ID: LCSD 570-353438/7-A

Matrix: Water

Analysis Batch: 353449

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 353438

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.500	0.509		mg/L		102	90 - 110	2	20

Lab Sample ID: 580-130012-1 MS

Matrix: Water

Analysis Batch: 353449

Client Sample ID: 0723-01

Prep Type: Total/NA

Prep Batch: 353438

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.045	J F1	0.500	0.483	F1	mg/L		88	90 - 110		

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 580-130012-1 MSD
Matrix: Water
Analysis Batch: 353449

Client Sample ID: 0723-01
Prep Type: Total/NA
Prep Batch: 353438

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.045	J F1	0.500	0.518		mg/L		95	90 - 110	7	25

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-433717/2
Matrix: Water
Analysis Batch: 433717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	102		mg/L		101	85 - 115

Lab Sample ID: LCS 580-433845/2
Matrix: Water
Analysis Batch: 433845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	102		mg/L		102	85 - 115

Lab Sample ID: 580-130012-5 DU
Matrix: Water
Analysis Batch: 433845

Client Sample ID: 0723-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	270		274		mg/L		2	17
Bicarbonate Alkalinity as CaCO3	270		274		mg/L		2	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20
Hydroxide Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-433446/1
Matrix: Water
Analysis Batch: 433446

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	10	mg/L			08/01/23 17:37	1

Lab Sample ID: LCS 580-433446/2
Matrix: Water
Analysis Batch: 433446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1010	978		mg/L		97	80 - 120

Lab Sample ID: MB 580-433540/1
Matrix: Water
Analysis Batch: 433540

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	10	mg/L			08/02/23 15:51	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 580-433540/2

Matrix: Water

Analysis Batch: 433540

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1010	854		mg/L		84	80 - 120

Method: SM 5220D - COD

Lab Sample ID: MB 580-433816/3-A

Matrix: Water

Analysis Batch: 433827

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 433816

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	10	mg/L		08/04/23 18:06	08/04/23 22:53	1

Lab Sample ID: LCS 580-433816/4-A

Matrix: Water

Analysis Batch: 433827

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 433816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	78.5		mg/L		105	80 - 120

Lab Sample ID: LCSD 580-433816/5-A

Matrix: Water

Analysis Batch: 433827

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 433816

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	75.1		mg/L		100	80 - 120	4	20

Lab Sample ID: 580-130012-1 MS

Matrix: Water

Analysis Batch: 433827

Client Sample ID: 0723-01

Prep Type: Total/NA

Prep Batch: 433816

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND		25.0	24.3		mg/L		97	75 - 125

Lab Sample ID: 580-130012-1 DU

Matrix: Water

Analysis Batch: 433827

Client Sample ID: 0723-01

Prep Type: Total/NA

Prep Batch: 433816

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chemical Oxygen Demand	ND		ND		mg/L		NC	20

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-351719/4

Matrix: Water

Analysis Batch: 351719

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		0.50	0.26	mg/L			08/02/23 19:16	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Method: SM 5310D - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 570-351719/5

Matrix: Water

Analysis Batch: 351719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	5.03	5.12		mg/L		102	85 - 115

Lab Sample ID: LCSD 570-351719/6

Matrix: Water

Analysis Batch: 351719

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	5.03	5.04		mg/L		100	85 - 115	2	20

Lab Sample ID: 580-130012-1 MS

Matrix: Water

Analysis Batch: 351719

Client Sample ID: 0723-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	1.2		5.03	6.29		mg/L		102	31 - 145

Lab Sample ID: 580-130012-1 MSD

Matrix: Water

Analysis Batch: 351719

Client Sample ID: 0723-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	1.2		5.03	6.64		mg/L		109	31 - 145	5	20

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-01

Date Collected: 07/27/23 12:58

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433277	ITR	EET SEA	07/31/23 21:33
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/29/23 21:36
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 15:55
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:00
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 19:23
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 19:23
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 12:56
Total/NA	Analysis	SM 2320B		1	433717	MLT	EET SEA	08/03/23 21:52
Total/NA	Analysis	SM 2540C		1	433446	DLV	EET SEA	08/01/23 17:37
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 20:53

Client Sample ID: 0723-02

Date Collected: 07/27/23 10:35

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433277	ITR	EET SEA	07/31/23 21:57
Total/NA	Analysis	8260D SIM		1	434212	K1K	EET SEA	08/10/23 12:03
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 15:58
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:06
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 19:58
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 19:58
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 12:57
Total/NA	Analysis	SM 2320B		1	433717	MLT	EET SEA	08/03/23 21:52
Total/NA	Analysis	SM 2540C		1	433446	DLV	EET SEA	08/01/23 17:37
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 21:12

Client Sample ID: 0723-03

Date Collected: 07/27/23 13:27

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433277	ITR	EET SEA	07/31/23 22:21

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-03

Date Collected: 07/27/23 13:27

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/29/23 22:02

Client Sample ID: 0723-04

Date Collected: 07/27/23 13:15

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433277	ITR	EET SEA	07/31/23 22:46
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/29/23 22:27
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:02
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:11
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 20:10
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 20:10
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 12:59
Total/NA	Analysis	SM 2320B		1	433717	MLT	EET SEA	08/03/23 21:52
Total/NA	Analysis	SM 2540C		1	433446	DLV	EET SEA	08/01/23 17:37
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 21:32

Client Sample ID: 0723-05

Date Collected: 07/27/23 14:33

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433277	ITR	EET SEA	07/31/23 23:10
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/29/23 22:54
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:05
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:16
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 20:22
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 20:22
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 13:00
Total/NA	Analysis	SM 2320B		1	433845	MLT	EET SEA	08/05/23 20:15
Total/NA	Analysis	SM 2540C		1	433446	DLV	EET SEA	08/01/23 17:37
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 21:51

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-06

Date Collected: 07/27/23 11:47

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433367	JBT	EET SEA	08/01/23 18:44
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/29/23 23:20
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:09
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:22
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 20:57
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 20:57
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 13:02
Total/NA	Analysis	SM 2320B		1	433845	MLT	EET SEA	08/05/23 20:15
Total/NA	Analysis	SM 2540C		1	433446	DLV	EET SEA	08/01/23 17:37
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 22:10

Client Sample ID: 0723-07

Date Collected: 07/27/23 14:34

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433367	JBT	EET SEA	08/01/23 19:09
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/29/23 23:46

Client Sample ID: 0723-08

Date Collected: 07/27/23 11:25

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433367	JBT	EET SEA	08/01/23 19:33
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/30/23 00:12
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:12
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:27
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 21:09
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 21:09
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 13:03
Total/NA	Analysis	SM 2320B		1	433845	MLT	EET SEA	08/05/23 20:15
Total/NA	Analysis	SM 2540C		1	433446	DLV	EET SEA	08/01/23 17:37
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-08

Date Collected: 07/27/23 11:25

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 22:30

Client Sample ID: 0723-09

Date Collected: 07/27/23 11:35

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433367	JBT	EET SEA	08/01/23 19:57
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/30/23 00:38
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:16
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:33
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 21:20
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 21:20
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 13:05
Total/NA	Analysis	SM 2320B		1	433845	MLT	EET SEA	08/05/23 20:15
Total/NA	Analysis	SM 2540C		1	433446	DLV	EET SEA	08/01/23 17:37
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 22:49

Client Sample ID: 0723-10

Date Collected: 07/27/23 09:19

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433367	JBT	EET SEA	08/01/23 20:21
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/30/23 01:04
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:31
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:38
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 21:32
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 21:32
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 13:06
Total/NA	Analysis	SM 2320B		1	433845	MLT	EET SEA	08/05/23 20:15
Total/NA	Analysis	SM 2540C		1	433540	DLV	EET SEA	08/02/23 15:51
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 23:09

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Client Sample ID: 0723-11

Date Collected: 07/27/23 10:00

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	434113	JBT	EET SEA	08/09/23 00:19
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/30/23 01:30
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:34
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:43
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 21:44
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 21:44
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 13:08
Total/NA	Analysis	SM 2320B		1	433845	MLT	EET SEA	08/05/23 20:15
Total/NA	Analysis	SM 2540C		1	433540	DLV	EET SEA	08/02/23 15:51
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 23:28

Client Sample ID: 0723-12

Date Collected: 07/27/23 09:30

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433367	JBT	EET SEA	08/01/23 21:09
Total/NA	Analysis	8260D SIM		1	433168	ITR	EET SEA	07/30/23 01:56
Dissolved	Prep	3005A			433414	JLS	EET SEA	08/01/23 15:21
Dissolved	Analysis	6010D		1	433642	JLS	EET SEA	08/02/23 16:37
Total Recoverable	Prep	3005A			433320	JLS	EET SEA	07/31/23 16:24
Total Recoverable	Analysis	6020B		1	433459	FCW	EET SEA	08/01/23 15:49
Total/NA	Analysis	300.0		1	433248	CA	EET SEA	07/28/23 21:55
Total/NA	Analysis	300.0		1	433249	CA	EET SEA	07/28/23 21:55
Total/NA	Prep	Distill/Ammonia			353438	UXCH	EET CAL 4	08/09/23 10:48
Total/NA	Analysis	350.1		1	353449	UXCH	EET CAL 4	08/09/23 13:09
Total/NA	Analysis	SM 2320B		1	433845	MLT	EET SEA	08/05/23 20:15
Total/NA	Analysis	SM 2540C		1	433540	DLV	EET SEA	08/02/23 15:51
Total/NA	Prep	SM 5220			433816	MLT	EET SEA	08/04/23 18:06
Total/NA	Analysis	SM 5220D		1	433827	MLT	EET SEA	08/04/23 22:53
Total/NA	Analysis	SM 5310D		1	351719	ZL4M	EET CAL 4	08/02/23 23:47

Client Sample ID: Trip Blanks

Date Collected: 07/27/23 00:01

Date Received: 07/28/23 12:35

Lab Sample ID: 580-130012-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	433367	JBT	EET SEA	08/01/23 21:33

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Laboratory References:
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

1
2
3
4
5
6
7
8
9
10
11

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-23 *

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-23
California	SCAQMD LAP	17LA0919	11-30-23
California	State	3082	07-31-24
Nevada	State	CA00111	07-31-24
Oregon	NELAP	4175	02-02-24
USDA	US Federal Programs	P330-22-00059	05-24-23 *
Washington	State	C916-18	10-11-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Seattle

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2023

Job ID: 580-130012-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-130012-1	0723-01	Water	07/27/23 12:58	07/28/23 12:35
580-130012-2	0723-02	Water	07/27/23 10:35	07/28/23 12:35
580-130012-3	0723-03	Water	07/27/23 13:27	07/28/23 12:35
580-130012-4	0723-04	Water	07/27/23 13:15	07/28/23 12:35
580-130012-5	0723-05	Water	07/27/23 14:33	07/28/23 12:35
580-130012-6	0723-06	Water	07/27/23 11:47	07/28/23 12:35
580-130012-7	0723-07	Water	07/27/23 14:34	07/28/23 12:35
580-130012-8	0723-08	Water	07/27/23 11:25	07/28/23 12:35
580-130012-9	0723-09	Water	07/27/23 11:35	07/28/23 12:35
580-130012-10	0723-10	Water	07/27/23 09:19	07/28/23 12:35
580-130012-11	0723-11	Water	07/27/23 10:00	07/28/23 12:35
580-130012-12	0723-12	Water	07/27/23 09:30	07/28/23 12:35
580-130012-13	Trip Blanks	Water	07/27/23 00:01	07/28/23 12:35

Environment Testing

Client Information						Sampler: JE/AB Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-57481-17743.1																									
Client Contact: Jovany Estrada						Phone: (425) 507-6703 E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: WA		Page: Page 1 of 2																									
Company: SCS Engineers						PWSID:		Analysis Requested				Job #: 04223020.00																							
Address: 2405 140th Avenue NE Suite 107						Due Date Requested: Standard						Preservation Codes:																							
City: Bellevue						TAT Requested (days):						A - HCL M - Hexane																							
State, Zip: WA, 98005-1877						Compliance Project: Δ Yes Δ No						B - NaOH N - None																							
Phone: 425-766-3362(Tel)						PO #:						C - Zn Acetate O - AsNaO2																							
Email: jestrada@scsengineers.com						Purchase Order not required						D - Nitric Acid P - Na2O4S																							
Project Name: Coupeville SW Facility GW Q3 2023						WO #:						E - NaHSO4 Q - Na2SO3																							
Site:						SSOW#:						F - MeOH R - Na2S2O3																							
												G - Amchlor S - H2SO4																							
												H - Ascorbic Acid T - TSP Dodecahydrate																							
												I - Ice U - Acetone																							
												J - DI Water V - MCAA																							
												K - EDTA W - pH 4-5																							
												L - EDA Y - Trizma																							
												Z - other (specify)																							
												Other:																							
Sample Identification						Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil) GT=Tissue, A=Air		Field Filtered Sample (Yes or No)		Perform MSMSD (Yes or No)		Total Number of Containers		Special Instructions/Note:															
0723-01						7/27/23		1258		G		W		Y		N		X		S		please run Sim													
0723-02								1035						↓		↓		↓		↓		analyses for													
0723-03								1327						↓		↓		↓		↓		vinyl chloride @													
0723-04								1315						↓		↓		↓		↓		0.02 detection lim.													
0723-05								1433						↓		↓		↓		↓															
0723-06								1147						↓		↓		↓		↓															
0723-07								1434						↓		↓		↓		↓															
0723-08								1125						↓		↓		↓		↓															
0723-09								1135						↓		↓		↓		↓															
0723-10								0919						↓		↓		↓		↓															
0723-11								1000						↓		↓		↓		↓															
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months																													
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:																													
Empty Kit Relinquished by:						Date:						Time:						Method of Shipment:																	
Relinquished by: Jovany Estrada						Date/Time: 7/28/23						Company: SCS						Received by: Sudneen Landon						Date/Time: 7/28/23 1235						Company: EA					
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:					
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:					
Custody Seals Intact: Δ Yes Δ No						Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks:																							

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Environment Testing

[illegible]

Environment Testing

Client Information Client Contact: Jovany Estrada Company: SCS Engineers Address: 2405 140th Avenue NE Suite 107 City: Bellevue State, Zip: WA, 98005-1877 Phone: 425-766-3362(Tel) Email: jestrada@scsengineers.com Project Name: Coupeville SW Facility GW Q3 2023 Site:			Sampler: JE/AB Phone: (425) 507-6703		Lab PM: Grant, Katie E-Mail: Katie.Grant@et.eurofinsus.com		Carrier Tracking No(s): WA		COC No: 580-57481-17743.1 Page: Page 1 of 2	
			Due Date Requested: Standard		TAT Requested (days):		Compliance Project: ☐ Yes ☐ No		PO #:	
Analysis Requested			Field Filtered Sample (Yes or No)		Perform MSMSO (Yes or No)		350.1 - (MOD) Copy Analytes		SM310D - Total Organic Carbon	
			5220D - COD		2320B, 300.0, 28D, 300, 48HR		6020B_LL - (MOD) Total Metals		6010D - Field Filtered Metals (Ca, Fe, Mg, Mn, K, Na)	
Preservation Codes:			2540C - Solids, Total Dissolved (TDS)		8260-Sim VOC		Total Number of Containers		Other:	
			A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)							
Sample Identification			Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)	
Preservation Code:			S		S		S		N	
0723-01			7/27/23		1258		G		W	
0723-02					1036					
0723-03					1327					
0723-04					1315					
0723-05					1433					
0723-06					1147					
0723-07					1434					
0723-08					1125					
0723-09					1135					
0723-10					0919					
0723-11					1000					
Possible Hazard Identification			☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client ☒ Disposal By Lab ☐ Archive For Months		Special Instructions/QC Requirements:	
Deliverable Requested: I, II, III, IV, Other (specify)										
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:			
Relinquished by: Jovany Estrada			Date/Time: 7/28/23		Company: SCS		Received by: Sydney Landrum		Date/Time: 7/28/23 1235	
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No			Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					

Environment Testing

Client Information		Sampler: JE/AD		Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-57481-17743.2																													
Client Contact: Jovany Estrada		Phone: (425) 507-6703		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: WA		Page: Page 2 of 2																													
Company: SCS Engineers		PWSID:		Analysis Requested																																	
Address: 2405 140th Avenue NE Suite 107		Due Date Requested: standard		Field Filled Sample (Yes or No) Perform MS/MSD (Yes or No) 350.1 - (MOD) Copy Analytes SM5310D - Total Organic Carbon 5220D - COD 2320B, 300.0, 28D, 300, 48HR 6020B_LL - (MOD) Total Metals 6010D - Field Filtered Metals (Ca, Fe, Mg, Mn, K, Na) 8260D_LL - Volatiles, custom list, low level 2540C - Solids, Total Dissolved (TDS) 8260 - Sim Vol VC only Total Number of containers																																	
City: Bellevue		TAT Requested (days):																																			
State, Zip: WA, 98005-1877		Compliance Project: ☐ Yes ☐ No																																			
Phone: 425-766-3362(Tel)		PO #:																																			
Email: jestrada@scsengineers.com		Purchase Order not required																																			
Project Name: Coupeville SW Facility GW Q3 2023		WO #:																																			
Site:		Project #: 58017834																																			
		SSOW#:																																			
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=bioreactor, A=air)		Field Filled Sample (Yes or No)		Perform MS/MSD (Yes or No)		350.1 - (MOD) Copy Analytes		SM5310D - Total Organic Carbon		5220D - COD		2320B, 300.0, 28D, 300, 48HR		6020B_LL - (MOD) Total Metals		6010D - Field Filtered Metals (Ca, Fe, Mg, Mn, K, Na)		8260D_LL - Volatiles, custom list, low level		2540C - Solids, Total Dissolved (TDS)		8260 - Sim Vol VC only		Total Number of containers		Preservation Codes:			

1
Therm. ID: 1R1 Cor: 2.2 ° Unc: 1.9 °
Cooler Dsc: BB FedEx: _____
Packing: BUB UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

2
Therm. ID: 1R1 Cor: 1.8 ° Unc: 1.5 °
Cooler Dsc: BB FedEx: _____
Packing: BUB UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

3
Therm. ID: 1R1 Cor: 0.9 ° Unc: 0.6 °
Cooler Dsc: BB FedEx: _____
Packing: BUB UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: ✓
Blue Ice Wet Dry, None Other: _____

580-130012 Chain of Custody

eurolins | Environment Testing

Ver: 06/08/2021
8/14/2023

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-130012-1

Login Number: 130012

List Source: Eurofins Seattle

List Number: 1

Creator: Wengrowski, Emily E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-130012-1

Login Number: 130012

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 08/01/23 01:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

FOURTH QTR. 2023 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04223020.03	Site Name	Island County Coupeville SWF
Data Validator	Alex Deszo	Data Level	Level 2
Date	11/22/2023	DV Tier	Tier 1
QA Document	CSWF Groundwater Sampling, Analysis, and Quality Assurance Project Plan (Revised September 2007)		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
580-133193-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-119368-1	X	X	X	X	X	X

Notes:

X = Analysis performed on at least one sample in sample group.

- = Analysis not performed on any sample in sample group.

Laboratory Quality Assurance Samples

Lab QA Samples	Results	Comments
GC/MS VOA	Acceptable	See case narrative for additional details.
Metals	Acceptable	See case narrative for additional details.
General Chemistry	Acceptable	See case narrative for additional details.
VOA Prep	Acceptable	See case narrative for additional details.

Field Quality Assurance Samples

Field QA Samples	Sample Group	Analytes	Notes
Field Replicates	580-133193-1	See below.	
Trip Blank	580-133193-1	None detected.	



Lab Quality Flags

Lab Qualifiers	Description	Lab Group
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.	580-133193-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-133193-1
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.	580-133193-1
B	Compound was found in the blank and sample.	580-133193-1
*1	LCS/LCSD RPD exceeds control limits.	580-133193-1
*+	LCS and/or LCSD is outside acceptance limits, high biased.	580-133193-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)	N3D	N3D (Dup)	RPD (%)
Alkalinity	mg/L	430	430	0	250	260	3.92
Arsenic	mg/L	0.0029	0.0029	0	0.0083	0.0081	2.44
Barium	mg/L	0.027	0.027	0	0.03	0.029	3.39
Bicarbonate	mg/L	430	430	0	250	260	3.92
Calcium	mg/L	100	100	0	73	72	1.38
Chloride	mg/L	74	74	0	38	37	2.66
Chromium	mg/L	0.00038	0.00042	10	0.00061	0.00046	28.04
Iron	mg/L	0.091	0.094	3.24	0.29	0.23	23.08
Magnesium	mg/L	72	70	2.82	28	28	0
Manganese	mg/L	0.019	0.018	5.41	0.027	0.028	3.64
Nickel	mg/L	0.0046	0.0045	2.20	0.00068	0.00051	28.51
Nitrate/Nitrite, Total	mg/L	4.3	4.3	0	0.01 U	0.01 U	N/A
Potassium	mg/L	8.2	8.2	0	6.2	6.3	1.6
Sodium	mg/L	41	41	0	22	22	0
Sulfate	mg/L	73	72	1.38	26	25	3.92
Total Dissolved Solids	mg/L	750	710	5.48	680	660	2.98
Total Organic Carbon	mg/L	1.8	1.8	0	0.87	0.81	7.14
Trichlorofluoromethane	mg/L	0.59	0.6	1.68	0.5U	0.5 U	N/A
Vinyl chloride	mg/L	0.012	0.011	8.69	0.02 U	0.02 U	N/A

* RPD based on result as compared to the Reporting Limit (RL) for a non-detection in the compared sample

Data Validation Report

Project No. 04223020.03

Page 3

U = Result was not detected at or above a concentration greater than the RL. Value provided is the RL for the given sample.

N/A = Not applicable. Both results compared were non-detect.

Additional Data Flags

Flag	Description
U	Not detected above the method reporting limit.

Qualified Data and Usability

Lab qualifiers are noted. All data, as qualified, are acceptable for use.

ANALYTICAL REPORT

PREPARED FOR

Attn: Jovany Estrada
SCS Engineers
2405 140th Avenue NE
Suite 107
Bellevue, Washington 98005-1877

Generated 11/10/2023 2:49:59 PM

JOB DESCRIPTION

Coupeville SW Facility GW Q2 2022

JOB NUMBER

580-133193-1

Eurofins Seattle

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Authorized for release by
Katie Grant, Project Manager I
Katie.Grant@et.eurofinsus.com
(253)922-2310

Generated
11/10/2023 2:49:59 PM

Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Definitions	6
Client Sample Results	7
QC Sample Results	94
Chronicle	130
Certification Summary	145
Sample Summary	147
Chain of Custody	148
Receipt Checklists	159



Case Narrative

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Job ID: 580-133193-1

Laboratory: Eurofins Seattle

Narrative

Job Narrative 580-133193-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/26/2023 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 1.0°C, 1.5°C, 1.7°C, 3.2°C, 3.8°C, 4.0°C, 5.7°C and 6.0°C

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): 1025-02 (580-133193-2) and 1024-08 (580-133193-7). The container labels list 1002 for time sampled, while the COC lists 1008. sample 1024-08 voa vials have no information listed on the label it was packed in the group of sample 7. it was labeled accordingly pending client verification.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): 1025-04 (580-133193-29) and 1024-29 (580-133193-30). these samples were not listed on the COC and added to the last two samples of the login with no analysis attached to them. All the information is provided from the client container label since not listed on the COC. 1025-04 (580-133193-29) and 1024-29 (580-133193-30)

GC/MS VOA

Method 8260D_LL: The method blank for analytical batch 580-442255 contained Iodomethane above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-analysis of samples was not performed.

Method 8260D_LL: The CCV for analytical batch 580-442255 recovered outside control limits for the following analyte(s): 1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Chloroethane, Naphthalene, 2-Hexanone, 4-Methyl-2-pentanone (MIBK), and trans-1,4-Dichloro-2-butene have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-442447 recovered above the upper control limit for 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Bromochloromethane, Bromoform and Dibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-442447 recovered above the upper control limit for Acrylonitrile. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D_LL: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-442447 recovered outside control limits for the following analytes: 1,2,3-Trichloropropane and 4-Methyl-2-pentanone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D_LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch

Case Narrative

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Job ID: 580-133193-1 (Continued)

Laboratory: Eurofins Seattle (Continued)

580-442447 recovered outside control limits for the following analytes: Acetone.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-442994 recovered outside acceptance criteria, low biased, for Bromomethane, Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D_LL: The CCV for analytical batch 580-442999 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6010D: The method blank for preparation batch 580-442358 and analytical batch 580-442548 contained Mg above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D: The method blank for preparation batch 580-442478 and analytical batch 580-442671 contained Fe above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-01

Lab Sample ID: 580-133193-1

Date Collected: 10/26/23 09:40

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/08/23 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/08/23 18:48	1
1,2-Dichloroethane-d4 (Surr)	116		68 - 120					11/08/23 18:48	1
4-Bromofluorobenzene (Surr)	99		80 - 125					11/08/23 18:48	1
Dibromofluoromethane (Surr)	107		80 - 120					11/08/23 18:48	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/07/23 05:05	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/07/23 05:05	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/07/23 05:05	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/07/23 05:05	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/07/23 05:05	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/07/23 05:05	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/07/23 05:05	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/07/23 05:05	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/07/23 05:05	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/07/23 05:05	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/07/23 05:05	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/07/23 05:05	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/07/23 05:05	1
2-Butanone	ND		10	2.5	ug/L			11/07/23 05:05	1
2-Hexanone	ND		3.0	0.94	ug/L			11/07/23 05:05	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/07/23 05:05	1
Acetone	ND		10	3.1	ug/L			11/07/23 05:05	1
Acrylonitrile	ND		10	2.0	ug/L			11/07/23 05:05	1
Benzene	ND		0.20	0.030	ug/L			11/07/23 05:05	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/07/23 05:05	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/07/23 05:05	1
Bromoform	ND		0.50	0.16	ug/L			11/07/23 05:05	1
Bromomethane	ND		0.50	0.13	ug/L			11/07/23 05:05	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/07/23 05:05	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/07/23 05:05	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/07/23 05:05	1
Chloroethane	ND		0.50	0.096	ug/L			11/07/23 05:05	1
Chloroform	ND		0.20	0.030	ug/L			11/07/23 05:05	1
Chloromethane	ND		0.50	0.14	ug/L			11/07/23 05:05	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/07/23 05:05	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/07/23 05:05	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/07/23 05:05	1
Dibromomethane	ND		0.20	0.062	ug/L			11/07/23 05:05	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/07/23 05:05	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/07/23 05:05	1
Methyl iodide	ND		0.50	0.070	ug/L			11/07/23 05:05	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/07/23 05:05	1
o-Xylene	ND		0.50	0.15	ug/L			11/07/23 05:05	1
Styrene	ND		1.0	0.19	ug/L			11/07/23 05:05	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/07/23 05:05	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-01

Lab Sample ID: 580-133193-1

Date Collected: 10/26/23 09:40

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/07/23 05:05	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/07/23 05:05	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/07/23 05:05	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/07/23 05:05	1
Trichloroethene	ND		0.20	0.066	ug/L			11/07/23 05:05	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/07/23 05:05	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/07/23 05:05	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/07/23 05:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		11/07/23 05:05	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/07/23 05:05	1
Dibromofluoromethane (Surr)	100		80 - 120		11/07/23 05:05	1
Toluene-d8 (Surr)	100		80 - 120		11/07/23 05:05	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	66		0.50	0.077	mg/L		10/30/23 15:47	10/31/23 13:31	1
Iron	0.41		0.30	0.061	mg/L		10/30/23 15:47	10/31/23 13:31	1
Magnesium	47	B	0.50	0.047	mg/L		10/30/23 15:47	10/31/23 13:31	1
Manganese	0.18		0.020	0.0017	mg/L		10/30/23 15:47	10/31/23 13:31	1
Potassium	6.6		3.3	0.17	mg/L		10/30/23 15:47	10/31/23 13:31	1
Sodium	26		0.50	0.33	mg/L		10/30/23 15:47	10/31/23 13:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:12	1
Arsenic	0.0067		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:12	1
Barium	0.032		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:12	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:12	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:12	1
Chromium	0.00017	J	0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:12	1
Cobalt	ND		0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:12	1
Copper	0.0013	J	0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:12	1
Iron	0.58		0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:12	1
Lead	0.000040	J	0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:12	1
Nickel	ND		0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:12	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:12	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:12	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:12	1
Vanadium	ND		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:12	1
Zinc	0.047		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.043	J	0.20	0.030	mg/L			10/27/23 18:07	1
Chloride (EPA 300.0)	22		1.5	0.43	mg/L			10/27/23 18:07	1
Sulfate (EPA 300.0)	26		1.5	0.80	mg/L			10/27/23 18:07	1
Ammonia (EPA 350.1)	0.040	J	0.075	0.029	mg/L		11/08/23 09:34	11/08/23 11:59	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 10:41	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-01

Lab Sample ID: 580-133193-1

Date Collected: 10/26/23 09:40

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	0.97		0.50	0.26	mg/L			10/30/23 21:58	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	340		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	340		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	420		50	50	mg/L			10/30/23 18:13	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-02

Lab Sample ID: 580-133193-2

Date Collected: 10/25/23 10:08

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/06/23 21:48	1
1,2-Dichloroethane-d4 (Surr)	112		68 - 120					11/06/23 21:48	1
4-Bromofluorobenzene (Surr)	103		80 - 125					11/06/23 21:48	1
Dibromofluoromethane (Surr)	102		80 - 120					11/06/23 21:48	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 20:39	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 20:39	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 20:39	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 20:39	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 20:39	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 20:39	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 20:39	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 20:39	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 20:39	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 20:39	1
1,2-Dichloroethane	0.068	J	0.20	0.043	ug/L			11/06/23 20:39	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 20:39	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 20:39	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 20:39	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 20:39	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 20:39	1
Acetone	ND		10	3.1	ug/L			11/06/23 20:39	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 20:39	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 20:39	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 20:39	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 20:39	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 20:39	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 20:39	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 20:39	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 20:39	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 20:39	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 20:39	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 20:39	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 20:39	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 20:39	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 20:39	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 20:39	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 20:39	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 20:39	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 20:39	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 20:39	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 20:39	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 20:39	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 20:39	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 20:39	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-02

Lab Sample ID: 580-133193-2

Date Collected: 10/25/23 10:08

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 20:39	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 20:39	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 20:39	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 20:39	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 20:39	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 20:39	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 20:39	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					11/06/23 20:39	1
4-Bromofluorobenzene (Surr)	100		80 - 120					11/06/23 20:39	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 20:39	1
Toluene-d8 (Surr)	100		80 - 120					11/06/23 20:39	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	67		0.50	0.077	mg/L		10/30/23 15:47	10/31/23 13:34	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:47	10/31/23 13:34	1
Magnesium	43	B	0.50	0.047	mg/L		10/30/23 15:47	10/31/23 13:34	1
Manganese	0.23		0.020	0.0017	mg/L		10/30/23 15:47	10/31/23 13:34	1
Potassium	6.2		3.3	0.17	mg/L		10/30/23 15:47	10/31/23 13:34	1
Sodium	25		0.50	0.33	mg/L		10/30/23 15:47	10/31/23 13:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:15	1
Arsenic	0.0059		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:15	1
Barium	0.027		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:15	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:15	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:15	1
Chromium	0.0010		0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:15	1
Cobalt	ND		0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:15	1
Copper	ND		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:15	1
Iron	0.063	J	0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:15	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:15	1
Nickel	0.00017	J	0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:15	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:15	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:15	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:15	1
Vanadium	ND		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:15	1
Zinc	ND		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.23		0.20	0.030	mg/L			10/27/23 18:19	1
Chloride (EPA 300.0)	34		1.5	0.43	mg/L			10/27/23 18:19	1
Sulfate (EPA 300.0)	15		1.5	0.80	mg/L			10/27/23 18:19	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:00	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 10:59	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-02

Lab Sample ID: 580-133193-2

Date Collected: 10/25/23 10:08

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.2		0.50	0.26	mg/L			10/30/23 22:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	300		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	300		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	390		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-03

Lab Sample ID: 580-133193-3

Date Collected: 10/24/23 15:11

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120					11/06/23 18:41	1
1,2-Dichloroethane-d4 (Surr)	109		68 - 120					11/06/23 18:41	1
4-Bromofluorobenzene (Surr)	98		80 - 125					11/06/23 18:41	1
Dibromofluoromethane (Surr)	102		80 - 120					11/06/23 18:41	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/01/23 01:59	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/01/23 01:59	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/01/23 01:59	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/01/23 01:59	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/01/23 01:59	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/01/23 01:59	1
1,2,3-Trichloropropane	ND	+	0.20	0.050	ug/L			11/01/23 01:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/01/23 01:59	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/01/23 01:59	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/01/23 01:59	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/01/23 01:59	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/01/23 01:59	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/01/23 01:59	1
2-Butanone	ND		10	2.5	ug/L			11/01/23 01:59	1
2-Hexanone	ND		3.0	0.94	ug/L			11/01/23 01:59	1
4-Methyl-2-pentanone	ND	+	10	1.7	ug/L			11/01/23 01:59	1
Acetone	ND	*1	10	3.1	ug/L			11/01/23 01:59	1
Acrylonitrile	ND		10	2.0	ug/L			11/01/23 01:59	1
Benzene	ND		0.20	0.030	ug/L			11/01/23 01:59	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/01/23 01:59	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/01/23 01:59	1
Bromoform	ND		0.50	0.16	ug/L			11/01/23 01:59	1
Bromomethane	ND		0.50	0.13	ug/L			11/01/23 01:59	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/01/23 01:59	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/01/23 01:59	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/01/23 01:59	1
Chloroethane	ND		0.50	0.096	ug/L			11/01/23 01:59	1
Chloroform	ND		0.20	0.030	ug/L			11/01/23 01:59	1
Chloromethane	ND		0.50	0.14	ug/L			11/01/23 01:59	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/01/23 01:59	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/01/23 01:59	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/01/23 01:59	1
Dibromomethane	ND		0.20	0.062	ug/L			11/01/23 01:59	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/01/23 01:59	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/01/23 01:59	1
Methyl iodide	ND		0.50	0.070	ug/L			11/01/23 01:59	1
o-Xylene	ND		0.50	0.15	ug/L			11/01/23 01:59	1
Styrene	ND		1.0	0.19	ug/L			11/01/23 01:59	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/01/23 01:59	1
Toluene	ND		0.20	0.050	ug/L			11/01/23 01:59	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-03

Lab Sample ID: 580-133193-3

Date Collected: 10/24/23 15:11

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/01/23 01:59	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/01/23 01:59	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/01/23 01:59	1
Trichloroethene	ND		0.20	0.066	ug/L			11/01/23 01:59	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/01/23 01:59	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/01/23 01:59	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/01/23 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		11/01/23 01:59	1
4-Bromofluorobenzene (Surr)	104		80 - 120		11/01/23 01:59	1
Dibromofluoromethane (Surr)	103		80 - 120		11/01/23 01:59	1
Toluene-d8 (Surr)	95		80 - 120		11/01/23 01:59	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/03/23 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/03/23 22:58	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/03/23 22:58	1
Dibromofluoromethane (Surr)	100		80 - 120		11/03/23 22:58	1
Toluene-d8 (Surr)	98		80 - 120		11/03/23 22:58	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	180		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 13:38	1
Iron	2.3		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 13:38	1
Magnesium	88	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 13:38	1
Manganese	0.32		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 13:38	1
Potassium	8.4		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 13:38	1
Sodium	35		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 13:38	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:18	1
Arsenic	0.0062		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:18	1
Barium	0.081		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:18	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:18	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:18	1
Chromium	0.00020	J	0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:18	1
Cobalt	ND		0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:18	1
Copper	ND		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:18	1
Iron	2.1		0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:18	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:18	1
Nickel	0.0017	J	0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:18	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:18	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:18	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:18	1
Vanadium	ND		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:18	1
Zinc	ND		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:18	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-03

Lab Sample ID: 580-133193-3

Date Collected: 10/24/23 15:11

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.031	J	0.20	0.030	mg/L			10/27/23 18:31	1
Chloride (EPA 300.0)	26		1.5	0.43	mg/L			10/27/23 18:31	1
Sulfate (EPA 300.0)	37		1.5	0.80	mg/L			10/27/23 18:31	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:02	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:01	1
Carbon, Total Organic (SM 5310D)	1.8		0.50	0.26	mg/L			10/30/23 22:37	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	700		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	700		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	910		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-05

Lab Sample ID: 580-133193-4

Date Collected: 10/26/23 10:00

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/08/23 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/08/23 19:11	1
1,2-Dichloroethane-d4 (Surr)	114		68 - 120					11/08/23 19:11	1
4-Bromofluorobenzene (Surr)	100		80 - 125					11/08/23 19:11	1
Dibromofluoromethane (Surr)	103		80 - 120					11/08/23 19:11	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/07/23 05:26	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/07/23 05:26	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/07/23 05:26	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/07/23 05:26	1
1,1-Dichloroethane	0.040	J	0.20	0.025	ug/L			11/07/23 05:26	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/07/23 05:26	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/07/23 05:26	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/07/23 05:26	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/07/23 05:26	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/07/23 05:26	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/07/23 05:26	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/07/23 05:26	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/07/23 05:26	1
2-Butanone	ND		10	2.5	ug/L			11/07/23 05:26	1
2-Hexanone	ND		3.0	0.94	ug/L			11/07/23 05:26	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/07/23 05:26	1
Acetone	ND		10	3.1	ug/L			11/07/23 05:26	1
Acrylonitrile	ND		10	2.0	ug/L			11/07/23 05:26	1
Benzene	ND		0.20	0.030	ug/L			11/07/23 05:26	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/07/23 05:26	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/07/23 05:26	1
Bromoform	ND		0.50	0.16	ug/L			11/07/23 05:26	1
Bromomethane	ND		0.50	0.13	ug/L			11/07/23 05:26	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/07/23 05:26	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/07/23 05:26	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/07/23 05:26	1
Chloroethane	ND		0.50	0.096	ug/L			11/07/23 05:26	1
Chloroform	ND		0.20	0.030	ug/L			11/07/23 05:26	1
Chloromethane	ND		0.50	0.14	ug/L			11/07/23 05:26	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/07/23 05:26	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/07/23 05:26	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/07/23 05:26	1
Dibromomethane	ND		0.20	0.062	ug/L			11/07/23 05:26	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/07/23 05:26	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/07/23 05:26	1
Methyl iodide	ND		0.50	0.070	ug/L			11/07/23 05:26	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/07/23 05:26	1
o-Xylene	ND		0.50	0.15	ug/L			11/07/23 05:26	1
Styrene	ND		1.0	0.19	ug/L			11/07/23 05:26	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/07/23 05:26	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-05

Lab Sample ID: 580-133193-4

Date Collected: 10/26/23 10:00

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.085	J	0.20	0.050	ug/L			11/07/23 05:26	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/07/23 05:26	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/07/23 05:26	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/07/23 05:26	1
Trichloroethene	ND		0.20	0.066	ug/L			11/07/23 05:26	1
Trichlorofluoromethane	2.2		0.50	0.12	ug/L			11/07/23 05:26	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/07/23 05:26	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/07/23 05:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					11/07/23 05:26	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/07/23 05:26	1
Dibromofluoromethane (Surr)	100		80 - 120					11/07/23 05:26	1
Toluene-d8 (Surr)	99		80 - 120					11/07/23 05:26	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	51		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 13:41	1
Iron	0.27	J	0.30	0.061	mg/L		10/30/23 15:51	10/31/23 13:41	1
Magnesium	13	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 13:41	1
Manganese	0.14		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 13:41	1
Potassium	6.8		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 13:41	1
Sodium	80		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 13:41	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0021		0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:20	1
Arsenic	0.0013		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:20	1
Barium	0.085		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:20	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:20	1
Cadmium	0.00030	J	0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:20	1
Chromium	0.0020		0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:20	1
Cobalt	0.00026	J	0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:20	1
Copper	0.0091		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:20	1
Iron	0.11		0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:20	1
Lead	0.00028	J	0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:20	1
Nickel	0.0040		0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:20	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:20	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:20	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:20	1
Vanadium	0.00060	J	0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:20	1
Zinc	0.49		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 18:42	1
Chloride (EPA 300.0)	110		15	4.3	mg/L			10/27/23 18:54	10
Sulfate (EPA 300.0)	34		1.5	0.80	mg/L			10/27/23 18:42	1
Ammonia (EPA 350.1)	0.052	J	0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:03	1
Nitrate Nitrite as N (EPA 353.2)	1.3		0.10	0.040	mg/L			11/01/23 11:03	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-05

Lab Sample ID: 580-133193-4

Date Collected: 10/26/23 10:00

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	2.9		0.50	0.26	mg/L			10/30/23 22:57	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	140		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	140		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	470		50	50	mg/L			10/30/23 18:13	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-06

Lab Sample ID: 580-133193-5

Date Collected: 10/25/23 12:11

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120					11/06/23 22:12	1
1,2-Dichloroethane-d4 (Surr)	110		68 - 120					11/06/23 22:12	1
4-Bromofluorobenzene (Surr)	97		80 - 125					11/06/23 22:12	1
Dibromofluoromethane (Surr)	107		80 - 120					11/06/23 22:12	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 21:00	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 21:00	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 21:00	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 21:00	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 21:00	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 21:00	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 21:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 21:00	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 21:00	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 21:00	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 21:00	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 21:00	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 21:00	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 21:00	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 21:00	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 21:00	1
Acetone	ND		10	3.1	ug/L			11/06/23 21:00	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 21:00	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 21:00	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 21:00	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 21:00	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 21:00	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 21:00	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 21:00	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 21:00	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 21:00	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 21:00	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 21:00	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 21:00	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 21:00	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 21:00	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 21:00	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 21:00	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 21:00	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 21:00	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 21:00	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 21:00	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 21:00	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 21:00	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 21:00	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-06

Lab Sample ID: 580-133193-5

Date Collected: 10/25/23 12:11

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 21:00	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 21:00	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 21:00	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 21:00	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 21:00	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 21:00	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 21:00	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					11/06/23 21:00	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/06/23 21:00	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 21:00	1
Toluene-d8 (Surr)	100		80 - 120					11/06/23 21:00	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	53		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 13:56	1
Iron	1.3		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 13:56	1
Magnesium	29	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 13:56	1
Manganese	0.29		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 13:56	1
Potassium	4.9		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 13:56	1
Sodium	23		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 13:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:36	1
Arsenic	0.0050		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:36	1
Barium	0.064		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:36	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:36	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:36	1
Chromium	0.00024	J	0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:36	1
Cobalt	0.00019	J	0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:36	1
Copper	ND		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:36	1
Iron	1.2		0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:36	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:36	1
Nickel	ND		0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:36	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:36	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:36	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:36	1
Vanadium	ND		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:36	1
Zinc	ND		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.19	J	0.20	0.030	mg/L			10/27/23 19:06	1
Chloride (EPA 300.0)	12		1.5	0.43	mg/L			10/27/23 19:06	1
Sulfate (EPA 300.0)	24		1.5	0.80	mg/L			10/27/23 19:06	1
Ammonia (EPA 350.1)	0.090		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:05	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:05	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-06

Lab Sample ID: 580-133193-5

Date Collected: 10/25/23 12:11

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	0.76		0.50	0.26	mg/L			10/30/23 23:16	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	320		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	320		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	380		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-07

Lab Sample ID: 580-133193-6

Date Collected: 10/24/23 11:14

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/02/23 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					11/02/23 21:22	1
1,2-Dichloroethane-d4 (Surr)	112		68 - 120					11/02/23 21:22	1
4-Bromofluorobenzene (Surr)	101		80 - 125					11/02/23 21:22	1
Dibromofluoromethane (Surr)	103		80 - 120					11/02/23 21:22	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/01/23 02:24	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/01/23 02:24	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/01/23 02:24	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/01/23 02:24	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/01/23 02:24	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/01/23 02:24	1
1,2,3-Trichloropropane	ND	+	0.20	0.050	ug/L			11/01/23 02:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/01/23 02:24	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/01/23 02:24	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/01/23 02:24	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/01/23 02:24	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/01/23 02:24	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/01/23 02:24	1
2-Butanone	ND		10	2.5	ug/L			11/01/23 02:24	1
2-Hexanone	ND		3.0	0.94	ug/L			11/01/23 02:24	1
4-Methyl-2-pentanone	ND	+	10	1.7	ug/L			11/01/23 02:24	1
Acetone	ND	*1	10	3.1	ug/L			11/01/23 02:24	1
Acrylonitrile	ND		10	2.0	ug/L			11/01/23 02:24	1
Benzene	ND		0.20	0.030	ug/L			11/01/23 02:24	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/01/23 02:24	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/01/23 02:24	1
Bromoform	ND		0.50	0.16	ug/L			11/01/23 02:24	1
Bromomethane	ND		0.50	0.13	ug/L			11/01/23 02:24	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/01/23 02:24	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/01/23 02:24	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/01/23 02:24	1
Chloroethane	ND		0.50	0.096	ug/L			11/01/23 02:24	1
Chloroform	ND		0.20	0.030	ug/L			11/01/23 02:24	1
Chloromethane	ND		0.50	0.14	ug/L			11/01/23 02:24	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/01/23 02:24	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/01/23 02:24	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/01/23 02:24	1
Dibromomethane	ND		0.20	0.062	ug/L			11/01/23 02:24	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/01/23 02:24	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/01/23 02:24	1
Methyl iodide	ND		0.50	0.070	ug/L			11/01/23 02:24	1
o-Xylene	ND		0.50	0.15	ug/L			11/01/23 02:24	1
Styrene	ND		1.0	0.19	ug/L			11/01/23 02:24	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/01/23 02:24	1
Toluene	ND		0.20	0.050	ug/L			11/01/23 02:24	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-07

Lab Sample ID: 580-133193-6

Date Collected: 10/24/23 11:14

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/01/23 02:24	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/01/23 02:24	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/01/23 02:24	1
Trichloroethene	ND		0.20	0.066	ug/L			11/01/23 02:24	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/01/23 02:24	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/01/23 02:24	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/01/23 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		11/01/23 02:24	1
4-Bromofluorobenzene (Surr)	106		80 - 120		11/01/23 02:24	1
Dibromofluoromethane (Surr)	109		80 - 120		11/01/23 02:24	1
Toluene-d8 (Surr)	95		80 - 120		11/01/23 02:24	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/03/23 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		11/03/23 23:18	1
4-Bromofluorobenzene (Surr)	102		80 - 120		11/03/23 23:18	1
Dibromofluoromethane (Surr)	100		80 - 120		11/03/23 23:18	1
Toluene-d8 (Surr)	99		80 - 120		11/03/23 23:18	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150		0.50	0.077	mg/L		10/30/23 15:47	10/31/23 13:21	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:47	10/31/23 13:21	1
Magnesium	60	B	0.50	0.047	mg/L		10/30/23 15:47	10/31/23 13:21	1
Manganese	ND		0.020	0.0017	mg/L		10/30/23 15:47	10/31/23 13:21	1
Potassium	6.5		3.3	0.17	mg/L		10/30/23 15:47	10/31/23 13:21	1
Sodium	30		0.50	0.33	mg/L		10/30/23 15:47	10/31/23 13:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00020	J	0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:39	1
Arsenic	0.0025		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:39	1
Barium	0.048		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:39	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:39	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:39	1
Chromium	0.0054		0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:39	1
Cobalt	ND		0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:39	1
Copper	ND		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:39	1
Iron	0.10		0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:39	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:39	1
Nickel	0.0013	J	0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:39	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:39	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:39	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:39	1
Vanadium	0.0061		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:39	1
Zinc	0.0011	J	0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:39	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-07

Lab Sample ID: 580-133193-6

Date Collected: 10/24/23 11:14

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 20:04	1
Chloride (EPA 300.0)	25		1.5	0.43	mg/L			10/27/23 20:04	1
Sulfate (EPA 300.0)	45		1.5	0.80	mg/L			10/27/23 20:04	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:06	1
Nitrate Nitrite as N (EPA 353.2)	6.2		0.50	0.20	mg/L			11/01/23 11:11	5
Carbon, Total Organic (SM 5310D)	1.0		0.50	0.26	mg/L			10/30/23 23:36	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	520		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	520		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	780		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-08

Lab Sample ID: 580-133193-7

Date Collected: 10/24/23 11:58

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0098	J	0.020	0.0030	ug/L			11/02/23 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					11/02/23 21:46	1
1,2-Dichloroethane-d4 (Surr)	113		68 - 120					11/02/23 21:46	1
4-Bromofluorobenzene (Surr)	100		80 - 125					11/02/23 21:46	1
Dibromofluoromethane (Surr)	104		80 - 120					11/02/23 21:46	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/01/23 02:48	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/01/23 02:48	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/01/23 02:48	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/01/23 02:48	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/01/23 02:48	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/01/23 02:48	1
1,2,3-Trichloropropane	ND	*+	0.20	0.050	ug/L			11/01/23 02:48	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/01/23 02:48	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/01/23 02:48	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/01/23 02:48	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/01/23 02:48	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/01/23 02:48	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/01/23 02:48	1
2-Butanone	ND		10	2.5	ug/L			11/01/23 02:48	1
2-Hexanone	ND		3.0	0.94	ug/L			11/01/23 02:48	1
4-Methyl-2-pentanone	ND	*+	10	1.7	ug/L			11/01/23 02:48	1
Acetone	ND	*1	10	3.1	ug/L			11/01/23 02:48	1
Acrylonitrile	ND		10	2.0	ug/L			11/01/23 02:48	1
Benzene	ND		0.20	0.030	ug/L			11/01/23 02:48	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/01/23 02:48	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/01/23 02:48	1
Bromoform	ND		0.50	0.16	ug/L			11/01/23 02:48	1
Bromomethane	ND		0.50	0.13	ug/L			11/01/23 02:48	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/01/23 02:48	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/01/23 02:48	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/01/23 02:48	1
Chloroethane	ND		0.50	0.096	ug/L			11/01/23 02:48	1
Chloroform	ND		0.20	0.030	ug/L			11/01/23 02:48	1
Chloromethane	ND		0.50	0.14	ug/L			11/01/23 02:48	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/01/23 02:48	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/01/23 02:48	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/01/23 02:48	1
Dibromomethane	ND		0.20	0.062	ug/L			11/01/23 02:48	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/01/23 02:48	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/01/23 02:48	1
Methyl iodide	ND		0.50	0.070	ug/L			11/01/23 02:48	1
o-Xylene	ND		0.50	0.15	ug/L			11/01/23 02:48	1
Styrene	ND		1.0	0.19	ug/L			11/01/23 02:48	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/01/23 02:48	1
Toluene	ND		0.20	0.050	ug/L			11/01/23 02:48	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-08

Lab Sample ID: 580-133193-7

Date Collected: 10/24/23 11:58

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/01/23 02:48	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/01/23 02:48	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/01/23 02:48	1
Trichloroethene	ND		0.20	0.066	ug/L			11/01/23 02:48	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/01/23 02:48	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/01/23 02:48	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/01/23 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/01/23 02:48	1
4-Bromofluorobenzene (Surr)	107		80 - 120		11/01/23 02:48	1
Dibromofluoromethane (Surr)	108		80 - 120		11/01/23 02:48	1
Toluene-d8 (Surr)	95		80 - 120		11/01/23 02:48	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/03/23 23:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/03/23 23:38	1
4-Bromofluorobenzene (Surr)	102		80 - 120		11/03/23 23:38	1
Dibromofluoromethane (Surr)	100		80 - 120		11/03/23 23:38	1
Toluene-d8 (Surr)	99		80 - 120		11/03/23 23:38	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	45		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 13:59	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 13:59	1
Magnesium	32	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 13:59	1
Manganese	0.081		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 13:59	1
Potassium	11		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 13:59	1
Sodium	25		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 13:59	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:42	1
Arsenic	0.017		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:42	1
Barium	0.037		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:42	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:42	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:42	1
Chromium	0.00029	J	0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:42	1
Cobalt	ND		0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:42	1
Copper	0.0077		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:42	1
Iron	0.13		0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:42	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:42	1
Nickel	0.0068		0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:42	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:42	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:42	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:42	1
Vanadium	ND		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:42	1
Zinc	ND		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:42	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-08

Lab Sample ID: 580-133193-7

Date Collected: 10/24/23 11:58

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.18	J	0.20	0.030	mg/L			10/27/23 20:16	1
Chloride (EPA 300.0)	31		1.5	0.43	mg/L			10/27/23 20:16	1
Sulfate (EPA 300.0)	14		1.5	0.80	mg/L			10/27/23 20:16	1
Ammonia (EPA 350.1)	0.078		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:08	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:13	1
Carbon, Total Organic (SM 5310D)	2.2		0.50	0.26	mg/L			10/30/23 23:55	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	210		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	210		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	460		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-09

Lab Sample ID: 580-133193-8

Date Collected: 10/24/23 13:13

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/02/23 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120					11/02/23 22:09	1
1,2-Dichloroethane-d4 (Surr)	112		68 - 120					11/02/23 22:09	1
4-Bromofluorobenzene (Surr)	103		80 - 125					11/02/23 22:09	1
Dibromofluoromethane (Surr)	101		80 - 120					11/02/23 22:09	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/01/23 03:12	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/01/23 03:12	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/01/23 03:12	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/01/23 03:12	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/01/23 03:12	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/01/23 03:12	1
1,2,3-Trichloropropane	ND	+	0.20	0.050	ug/L			11/01/23 03:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/01/23 03:12	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/01/23 03:12	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/01/23 03:12	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/01/23 03:12	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/01/23 03:12	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/01/23 03:12	1
2-Butanone	ND		10	2.5	ug/L			11/01/23 03:12	1
2-Hexanone	ND		3.0	0.94	ug/L			11/01/23 03:12	1
4-Methyl-2-pentanone	ND	+	10	1.7	ug/L			11/01/23 03:12	1
Acetone	ND	*1	10	3.1	ug/L			11/01/23 03:12	1
Acrylonitrile	ND		10	2.0	ug/L			11/01/23 03:12	1
Benzene	ND		0.20	0.030	ug/L			11/01/23 03:12	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/01/23 03:12	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/01/23 03:12	1
Bromoform	ND		0.50	0.16	ug/L			11/01/23 03:12	1
Bromomethane	ND		0.50	0.13	ug/L			11/01/23 03:12	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/01/23 03:12	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/01/23 03:12	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/01/23 03:12	1
Chloroethane	ND		0.50	0.096	ug/L			11/01/23 03:12	1
Chloroform	ND		0.20	0.030	ug/L			11/01/23 03:12	1
Chloromethane	ND		0.50	0.14	ug/L			11/01/23 03:12	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/01/23 03:12	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/01/23 03:12	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/01/23 03:12	1
Dibromomethane	ND		0.20	0.062	ug/L			11/01/23 03:12	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/01/23 03:12	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/01/23 03:12	1
Methyl iodide	ND		0.50	0.070	ug/L			11/01/23 03:12	1
o-Xylene	ND		0.50	0.15	ug/L			11/01/23 03:12	1
Styrene	ND		1.0	0.19	ug/L			11/01/23 03:12	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/01/23 03:12	1
Toluene	ND		0.20	0.050	ug/L			11/01/23 03:12	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-09

Lab Sample ID: 580-133193-8

Date Collected: 10/24/23 13:13

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/01/23 03:12	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/01/23 03:12	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/01/23 03:12	1
Trichloroethene	ND		0.20	0.066	ug/L			11/01/23 03:12	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/01/23 03:12	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/01/23 03:12	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/01/23 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		11/01/23 03:12	1
4-Bromofluorobenzene (Surr)	104		80 - 120		11/01/23 03:12	1
Dibromofluoromethane (Surr)	103		80 - 120		11/01/23 03:12	1
Toluene-d8 (Surr)	95		80 - 120		11/01/23 03:12	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/03/23 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/03/23 23:58	1
4-Bromofluorobenzene (Surr)	102		80 - 120		11/03/23 23:58	1
Dibromofluoromethane (Surr)	101		80 - 120		11/03/23 23:58	1
Toluene-d8 (Surr)	99		80 - 120		11/03/23 23:58	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:03	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:03	1
Magnesium	39	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:03	1
Manganese	ND		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:03	1
Potassium	5.4		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:03	1
Sodium	19		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00018	J	0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:44	1
Arsenic	0.0024		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:44	1
Barium	0.034		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:44	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:44	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:44	1
Chromium	0.0047		0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:44	1
Cobalt	0.00018	J	0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:44	1
Copper	0.0025		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:44	1
Iron	0.077	J	0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:44	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:44	1
Nickel	0.0045		0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:44	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:44	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:44	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:44	1
Vanadium	0.0052		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:44	1
Zinc	0.0015	J	0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:44	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-09

Lab Sample ID: 580-133193-8

Date Collected: 10/24/23 13:13

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 20:28	1
Chloride (EPA 300.0)	24		1.5	0.43	mg/L			10/27/23 20:28	1
Sulfate (EPA 300.0)	96		1.5	0.80	mg/L			10/27/23 20:28	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:09	1
Nitrate Nitrite as N (EPA 353.2)	7.1		0.50	0.20	mg/L			11/01/23 11:15	5
Carbon, Total Organic (SM 5310D)	1.1		0.50	0.26	mg/L			10/31/23 00:15	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	250		7.0	7.0	mg/L			10/28/23 18:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		7.0	7.0	mg/L			10/28/23 18:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			10/28/23 18:47	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			10/28/23 18:47	1
Total Dissolved Solids (SM 2540C)	720		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-10

Lab Sample ID: 580-133193-9

Date Collected: 10/24/23 14:20

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					11/06/23 19:05	1
1,2-Dichloroethane-d4 (Surr)	110		68 - 120					11/06/23 19:05	1
4-Bromofluorobenzene (Surr)	96		80 - 125					11/06/23 19:05	1
Dibromofluoromethane (Surr)	109		80 - 120					11/06/23 19:05	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 05:51	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			10/28/23 05:51	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 05:51	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 05:51	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			10/28/23 05:51	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 05:51	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 05:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 05:51	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 05:51	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 05:51	1
1,2-Dichloroethane	0.055	J	0.20	0.043	ug/L			10/28/23 05:51	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 05:51	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 05:51	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 05:51	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 05:51	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 05:51	1
Acetone	ND		10	3.1	ug/L			10/28/23 05:51	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 05:51	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 05:51	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 05:51	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 05:51	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 05:51	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 05:51	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 05:51	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 05:51	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 05:51	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 05:51	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 05:51	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 05:51	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 05:51	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 05:51	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 05:51	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 05:51	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 05:51	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 05:51	1
Methyl iodide	ND		0.50	0.070	ug/L			10/28/23 05:51	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 05:51	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 05:51	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 05:51	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 05:51	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-10

Lab Sample ID: 580-133193-9

Date Collected: 10/24/23 14:20

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 05:51	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 05:51	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 05:51	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 05:51	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			10/28/23 05:51	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 05:51	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		10/28/23 05:51	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/28/23 05:51	1
Dibromofluoromethane (Surr)	100		80 - 120		10/28/23 05:51	1
Toluene-d8 (Surr)	98		80 - 120		10/28/23 05:51	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/04/23 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/04/23 00:19	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/04/23 00:19	1
Dibromofluoromethane (Surr)	99		80 - 120		11/04/23 00:19	1
Toluene-d8 (Surr)	98		80 - 120		11/04/23 00:19	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	57		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:06	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:06	1
Magnesium	37	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:06	1
Manganese	0.0077	J	0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:06	1
Potassium	5.9		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:06	1
Sodium	26		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:06	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00021	J	0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 12:47	1
Arsenic	0.0071		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 12:47	1
Barium	0.016		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 12:47	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 12:47	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 12:47	1
Chromium	0.00040	J	0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 12:47	1
Cobalt	0.000088	J	0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 12:47	1
Copper	ND		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 12:47	1
Iron	0.064	J	0.10	0.013	mg/L		10/27/23 16:48	10/30/23 12:47	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 12:47	1
Nickel	0.0013	J	0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 12:47	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 12:47	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 12:47	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 12:47	1
Vanadium	0.0013	J	0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 12:47	1
Zinc	ND		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 12:47	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-10

Lab Sample ID: 580-133193-9

Date Collected: 10/24/23 14:20

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.16	J	0.20	0.030	mg/L			10/27/23 20:40	1
Chloride (EPA 300.0)	35		1.5	0.43	mg/L			10/27/23 20:40	1
Sulfate (EPA 300.0)	39		1.5	0.80	mg/L			10/27/23 20:40	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:11	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:17	1
Carbon, Total Organic (SM 5310D)	0.79		0.50	0.26	mg/L			10/31/23 00:34	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	250		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	540		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-11

Lab Sample ID: 580-133193-10

Date Collected: 10/25/23 13:14

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/06/23 22:35	1
1,2-Dichloroethane-d4 (Surr)	110		68 - 120					11/06/23 22:35	1
4-Bromofluorobenzene (Surr)	99		80 - 125					11/06/23 22:35	1
Dibromofluoromethane (Surr)	105		80 - 120					11/06/23 22:35	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 21:20	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 21:20	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 21:20	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 21:20	1
1,1-Dichloroethane	0.026	J	0.20	0.025	ug/L			11/06/23 21:20	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 21:20	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 21:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 21:20	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 21:20	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 21:20	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 21:20	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 21:20	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 21:20	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 21:20	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 21:20	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 21:20	1
Acetone	ND		10	3.1	ug/L			11/06/23 21:20	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 21:20	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 21:20	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 21:20	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 21:20	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 21:20	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 21:20	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 21:20	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 21:20	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 21:20	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 21:20	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 21:20	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 21:20	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 21:20	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 21:20	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 21:20	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 21:20	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 21:20	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 21:20	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 21:20	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 21:20	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 21:20	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 21:20	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 21:20	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-11

Lab Sample ID: 580-133193-10

Date Collected: 10/25/23 13:14

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 21:20	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 21:20	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 21:20	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 21:20	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 21:20	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 21:20	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 21:20	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					11/06/23 21:20	1
4-Bromofluorobenzene (Surr)	100		80 - 120					11/06/23 21:20	1
Dibromofluoromethane (Surr)	99		80 - 120					11/06/23 21:20	1
Toluene-d8 (Surr)	100		80 - 120					11/06/23 21:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:10	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:10	1
Magnesium	93	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:10	1
Manganese	0.12		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:10	1
Potassium	9.6		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:10	1
Sodium	46		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00014	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 11:38	1
Arsenic	0.0030		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 11:38	1
Barium	0.080		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 11:38	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 11:38	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 11:38	1
Chromium	0.00025	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 11:38	1
Cobalt	0.00017	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 11:38	1
Copper	0.00067	J	0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 11:38	1
Iron	0.082	J	0.10	0.013	mg/L		10/31/23 15:10	11/01/23 11:38	1
Lead	0.000055	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 11:38	1
Nickel	0.0068		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 11:38	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 11:38	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 11:38	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 11:38	1
Vanadium	0.0020	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 11:38	1
Zinc	0.0017	J	0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.14	J	0.20	0.030	mg/L			10/27/23 20:51	1
Chloride (EPA 300.0)	87		1.5	0.43	mg/L			10/27/23 20:51	1
Sulfate (EPA 300.0)	86		1.5	0.80	mg/L			10/27/23 20:51	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:12	1
Nitrate Nitrite as N (EPA 353.2)	0.059	J	0.10	0.040	mg/L			11/01/23 11:19	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-11

Lab Sample ID: 580-133193-10

Date Collected: 10/25/23 13:14

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	2.3		0.50	0.26	mg/L			10/31/23 00:54	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	530		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	530		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	790		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-12

Lab Sample ID: 580-133193-11

Date Collected: 10/25/23 14:01

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 22:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120					11/06/23 22:58	1
1,2-Dichloroethane-d4 (Surr)	114		68 - 120					11/06/23 22:58	1
4-Bromofluorobenzene (Surr)	102		80 - 125					11/06/23 22:58	1
Dibromofluoromethane (Surr)	104		80 - 120					11/06/23 22:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 19:59	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 19:59	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 19:59	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 19:59	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 19:59	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 19:59	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 19:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 19:59	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 19:59	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 19:59	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 19:59	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 19:59	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 19:59	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 19:59	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 19:59	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 19:59	1
Acetone	ND		10	3.1	ug/L			11/06/23 19:59	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 19:59	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 19:59	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 19:59	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 19:59	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 19:59	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 19:59	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 19:59	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 19:59	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 19:59	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 19:59	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 19:59	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 19:59	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 19:59	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 19:59	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 19:59	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 19:59	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 19:59	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 19:59	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 19:59	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 19:59	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 19:59	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 19:59	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 19:59	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-12

Lab Sample ID: 580-133193-11

Date Collected: 10/25/23 14:01

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 19:59	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 19:59	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 19:59	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 19:59	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 19:59	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 19:59	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 19:59	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					11/06/23 19:59	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/06/23 19:59	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 19:59	1
Toluene-d8 (Surr)	99		80 - 120					11/06/23 19:59	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	71		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:13	1
Iron	0.20	J	0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:13	1
Magnesium	54	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:13	1
Manganese	0.15		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:13	1
Potassium	6.9		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:13	1
Sodium	35		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00028	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:13	1
Arsenic	0.0073		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:13	1
Barium	0.041		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:13	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:13	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:13	1
Chromium	0.00032	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:13	1
Cobalt	0.000050	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:13	1
Copper	0.00066	J	0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:13	1
Iron	0.35		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:13	1
Lead	0.000056	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:13	1
Nickel	0.00062	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:13	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:13	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:13	1
Thallium	0.000029	J	0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:13	1
Vanadium	0.00047	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:13	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.22		0.20	0.030	mg/L			10/27/23 21:15	1
Chloride (EPA 300.0)	71		1.5	0.43	mg/L			10/27/23 21:15	1
Sulfate (EPA 300.0)	33		1.5	0.80	mg/L			10/27/23 21:15	1
Ammonia (EPA 350.1)	0.069	J	0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:21	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:27	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-12

Lab Sample ID: 580-133193-11

Date Collected: 10/25/23 14:01

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	2.1		0.50	0.26	mg/L			10/31/23 01:53	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	340		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	340		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	530		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-13

Lab Sample ID: 580-133193-12

Date Collected: 10/25/23 15:07

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/06/23 23:22	1
1,2-Dichloroethane-d4 (Surr)	114		68 - 120					11/06/23 23:22	1
4-Bromofluorobenzene (Surr)	94		80 - 125					11/06/23 23:22	1
Dibromofluoromethane (Surr)	112		80 - 120					11/06/23 23:22	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 20:19	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 20:19	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 20:19	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 20:19	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 20:19	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 20:19	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 20:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 20:19	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 20:19	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 20:19	1
1,2-Dichloroethane	0.076	J	0.20	0.043	ug/L			11/06/23 20:19	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 20:19	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 20:19	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 20:19	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 20:19	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 20:19	1
Acetone	ND		10	3.1	ug/L			11/06/23 20:19	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 20:19	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 20:19	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 20:19	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 20:19	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 20:19	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 20:19	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 20:19	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 20:19	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 20:19	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 20:19	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 20:19	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 20:19	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 20:19	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 20:19	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 20:19	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 20:19	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 20:19	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 20:19	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 20:19	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 20:19	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 20:19	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 20:19	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 20:19	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-13

Lab Sample ID: 580-133193-12

Date Collected: 10/25/23 15:07

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 20:19	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 20:19	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 20:19	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 20:19	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 20:19	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 20:19	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 20:19	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					11/06/23 20:19	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/06/23 20:19	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 20:19	1
Toluene-d8 (Surr)	98		80 - 120					11/06/23 20:19	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	74		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:17	1
Iron	0.086	J	0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:17	1
Magnesium	52	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:17	1
Manganese	0.17		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:17	1
Potassium	6.1		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:17	1
Sodium	33		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:17	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00015	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:16	1
Arsenic	0.0054		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:16	1
Barium	0.032		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:16	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:16	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:16	1
Chromium	0.00025	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:16	1
Cobalt	0.00012	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:16	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:16	1
Iron	0.14		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:16	1
Lead	0.000064	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:16	1
Nickel	0.00088	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:16	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:16	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:16	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:16	1
Vanadium	0.00085	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:16	1
Zinc	0.0014	J	0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.22		0.20	0.030	mg/L			10/27/23 21:38	1
Chloride (EPA 300.0)	61		1.5	0.43	mg/L			10/27/23 21:38	1
Sulfate (EPA 300.0)	30		1.5	0.80	mg/L			10/27/23 21:38	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:23	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:29	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-13

Date Collected: 10/25/23 15:07

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-12

Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	2.1		0.50	0.26	mg/L			10/31/23 02:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	350		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	350		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	480		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-14

Lab Sample ID: 580-133193-13

Date Collected: 10/25/23 15:20

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 23:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/06/23 23:45	1
1,2-Dichloroethane-d4 (Surr)	113		68 - 120					11/06/23 23:45	1
4-Bromofluorobenzene (Surr)	97		80 - 125					11/06/23 23:45	1
Dibromofluoromethane (Surr)	107		80 - 120					11/06/23 23:45	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 21:40	1
1,1,1-Trichloroethane	0.33		0.20	0.025	ug/L			11/06/23 21:40	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 21:40	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 21:40	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 21:40	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 21:40	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 21:40	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 21:40	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 21:40	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 21:40	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 21:40	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 21:40	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 21:40	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 21:40	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 21:40	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 21:40	1
Acetone	ND		10	3.1	ug/L			11/06/23 21:40	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 21:40	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 21:40	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 21:40	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 21:40	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 21:40	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 21:40	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 21:40	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 21:40	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 21:40	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 21:40	1
Chloroform	0.071 J		0.20	0.030	ug/L			11/06/23 21:40	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 21:40	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 21:40	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 21:40	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 21:40	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 21:40	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 21:40	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 21:40	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 21:40	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 21:40	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 21:40	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 21:40	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 21:40	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-14

Lab Sample ID: 580-133193-13

Date Collected: 10/25/23 15:20

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 21:40	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 21:40	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 21:40	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 21:40	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 21:40	1
Trichlorofluoromethane	3.4		0.50	0.12	ug/L			11/06/23 21:40	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 21:40	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120					11/06/23 21:40	1
4-Bromofluorobenzene (Surr)	100		80 - 120					11/06/23 21:40	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 21:40	1
Toluene-d8 (Surr)	99		80 - 120					11/06/23 21:40	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:20	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:20	1
Magnesium	69	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:20	1
Manganese	ND		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:20	1
Potassium	5.9		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:20	1
Sodium	26		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00024	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:18	1
Arsenic	0.0020		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:18	1
Barium	0.028		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:18	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:18	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:18	1
Chromium	0.011		0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:18	1
Cobalt	0.000051	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:18	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:18	1
Iron	0.084	J	0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:18	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:18	1
Nickel	0.0034		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:18	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:18	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:18	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:18	1
Vanadium	0.0046		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:18	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 22:13	1
Chloride (EPA 300.0)	59		1.5	0.43	mg/L			10/27/23 22:13	1
Sulfate (EPA 300.0)	74		1.5	0.80	mg/L			10/27/23 22:13	1
Ammonia (EPA 350.1)	0.033	J	0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:24	1
Nitrate Nitrite as N (EPA 353.2)	18		2.0	0.80	mg/L			11/01/23 11:35	20

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-14

Lab Sample ID: 580-133193-13

Date Collected: 10/25/23 15:20

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.8		0.50	0.26	mg/L			10/31/23 02:32	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	370		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	370		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	640		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-15

Lab Sample ID: 580-133193-14

Date Collected: 10/26/23 10:42

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/08/23 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120					11/08/23 19:34	1
1,2-Dichloroethane-d4 (Surr)	114		68 - 120					11/08/23 19:34	1
4-Bromofluorobenzene (Surr)	99		80 - 125					11/08/23 19:34	1
Dibromofluoromethane (Surr)	103		80 - 120					11/08/23 19:34	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/07/23 04:25	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/07/23 04:25	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/07/23 04:25	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/07/23 04:25	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/07/23 04:25	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/07/23 04:25	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/07/23 04:25	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/07/23 04:25	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/07/23 04:25	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/07/23 04:25	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/07/23 04:25	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/07/23 04:25	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/07/23 04:25	1
2-Butanone	ND		10	2.5	ug/L			11/07/23 04:25	1
2-Hexanone	ND		3.0	0.94	ug/L			11/07/23 04:25	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/07/23 04:25	1
Acetone	ND		10	3.1	ug/L			11/07/23 04:25	1
Acrylonitrile	ND		10	2.0	ug/L			11/07/23 04:25	1
Benzene	ND		0.20	0.030	ug/L			11/07/23 04:25	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/07/23 04:25	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/07/23 04:25	1
Bromoform	ND		0.50	0.16	ug/L			11/07/23 04:25	1
Bromomethane	ND		0.50	0.13	ug/L			11/07/23 04:25	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/07/23 04:25	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/07/23 04:25	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/07/23 04:25	1
Chloroethane	ND		0.50	0.096	ug/L			11/07/23 04:25	1
Chloroform	ND		0.20	0.030	ug/L			11/07/23 04:25	1
Chloromethane	0.14 J		0.50	0.14	ug/L			11/07/23 04:25	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/07/23 04:25	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/07/23 04:25	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/07/23 04:25	1
Dibromomethane	ND		0.20	0.062	ug/L			11/07/23 04:25	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/07/23 04:25	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/07/23 04:25	1
Methyl iodide	ND		0.50	0.070	ug/L			11/07/23 04:25	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/07/23 04:25	1
o-Xylene	ND		0.50	0.15	ug/L			11/07/23 04:25	1
Styrene	ND		1.0	0.19	ug/L			11/07/23 04:25	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/07/23 04:25	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-15

Lab Sample ID: 580-133193-14

Date Collected: 10/26/23 10:42

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/07/23 04:25	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/07/23 04:25	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/07/23 04:25	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/07/23 04:25	1
Trichloroethene	ND		0.20	0.066	ug/L			11/07/23 04:25	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/07/23 04:25	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/07/23 04:25	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/07/23 04:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					11/07/23 04:25	1
4-Bromofluorobenzene (Surr)	100		80 - 120					11/07/23 04:25	1
Dibromofluoromethane (Surr)	99		80 - 120					11/07/23 04:25	1
Toluene-d8 (Surr)	99		80 - 120					11/07/23 04:25	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	82		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:24	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:24	1
Magnesium	50	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:24	1
Manganese	ND		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:24	1
Potassium	5.5		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:24	1
Sodium	29		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00024	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:21	1
Arsenic	0.0033		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:21	1
Barium	0.020		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:21	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:21	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:21	1
Chromium	0.0022		0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:21	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:21	1
Copper	0.0055		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:21	1
Iron	0.11		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:21	1
Lead	0.000092	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:21	1
Nickel	0.0011	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:21	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:21	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:21	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:21	1
Vanadium	0.0061		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:21	1
Zinc	0.0090		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.24		0.20	0.030	mg/L			10/27/23 22:25	1
Chloride (EPA 300.0)	62		1.5	0.43	mg/L			10/27/23 22:25	1
Sulfate (EPA 300.0)	60		1.5	0.80	mg/L			10/27/23 22:25	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:26	1
Nitrate Nitrite as N (EPA 353.2)	0.34		0.10	0.040	mg/L			11/01/23 11:37	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-15

Lab Sample ID: 580-133193-14

Date Collected: 10/26/23 10:42

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	2.1		0.50	0.26	mg/L			10/31/23 02:52	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	300		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	300		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	670		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-16

Lab Sample ID: 580-133193-15

Date Collected: 10/24/23 10:18

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120					11/06/23 19:28	1
1,2-Dichloroethane-d4 (Surr)	111		68 - 120					11/06/23 19:28	1
4-Bromofluorobenzene (Surr)	100		80 - 125					11/06/23 19:28	1
Dibromofluoromethane (Surr)	104		80 - 120					11/06/23 19:28	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 06:11	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			10/28/23 06:11	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 06:11	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 06:11	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			10/28/23 06:11	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 06:11	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 06:11	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 06:11	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 06:11	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 06:11	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/28/23 06:11	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 06:11	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 06:11	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 06:11	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 06:11	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 06:11	1
Acetone	ND		10	3.1	ug/L			10/28/23 06:11	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 06:11	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 06:11	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 06:11	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 06:11	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 06:11	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 06:11	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 06:11	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 06:11	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 06:11	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 06:11	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 06:11	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 06:11	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 06:11	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 06:11	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 06:11	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 06:11	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 06:11	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 06:11	1
Methyl iodide	0.20	J B	0.50	0.070	ug/L			10/28/23 06:11	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 06:11	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 06:11	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 06:11	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 06:11	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-16

Lab Sample ID: 580-133193-15

Date Collected: 10/24/23 10:18

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 06:11	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 06:11	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 06:11	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 06:11	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			10/28/23 06:11	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 06:11	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 06:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		10/28/23 06:11	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/28/23 06:11	1
Dibromofluoromethane (Surr)	101		80 - 120		10/28/23 06:11	1
Toluene-d8 (Surr)	98		80 - 120		10/28/23 06:11	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/04/23 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		11/04/23 00:39	1
4-Bromofluorobenzene (Surr)	103		80 - 120		11/04/23 00:39	1
Dibromofluoromethane (Surr)	100		80 - 120		11/04/23 00:39	1
Toluene-d8 (Surr)	99		80 - 120		11/04/23 00:39	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		10/30/23 15:51	10/31/23 14:27	1
Iron	0.32		0.30	0.061	mg/L		10/30/23 15:51	10/31/23 14:27	1
Magnesium	97	B	0.50	0.047	mg/L		10/30/23 15:51	10/31/23 14:27	1
Manganese	0.33		0.020	0.0017	mg/L		10/30/23 15:51	10/31/23 14:27	1
Potassium	9.0		3.3	0.17	mg/L		10/30/23 15:51	10/31/23 14:27	1
Sodium	46		0.50	0.33	mg/L		10/30/23 15:51	10/31/23 14:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:24	1
Arsenic	0.0050		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:24	1
Barium	0.095		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:24	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:24	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:24	1
Chromium	0.00030	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:24	1
Cobalt	0.00032	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:24	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:24	1
Iron	0.41		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:24	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:24	1
Nickel	0.0075		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:24	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:24	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:24	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:24	1
Vanadium	0.00052	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:24	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:24	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-16

Lab Sample ID: 580-133193-15

Date Collected: 10/24/23 10:18

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.044	J	0.20	0.030	mg/L			10/27/23 22:37	1
Chloride (EPA 300.0)	110		7.5	2.2	mg/L			10/27/23 22:48	5
Sulfate (EPA 300.0)	140		7.5	4.0	mg/L			10/27/23 22:48	5
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:27	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:39	1
Carbon, Total Organic (SM 5310D)	3.2		0.50	0.26	mg/L			10/31/23 03:11	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	460		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	460		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	900		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:38	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-17

Lab Sample ID: 580-133193-16

Date Collected: 10/24/23 11:12

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.012	J	0.020	0.0030	ug/L			11/06/23 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		11/06/23 19:52	1
1,2-Dichloroethane-d4 (Surr)	112		68 - 120		11/06/23 19:52	1
4-Bromofluorobenzene (Surr)	100		80 - 125		11/06/23 19:52	1
Dibromofluoromethane (Surr)	106		80 - 120		11/06/23 19:52	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 06:31	1
1,1,1-Trichloroethane	0.030	J	0.20	0.025	ug/L			10/28/23 06:31	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 06:31	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 06:31	1
1,1-Dichloroethane	0.058	J	0.20	0.025	ug/L			10/28/23 06:31	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 06:31	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 06:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 06:31	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 06:31	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 06:31	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/28/23 06:31	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 06:31	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 06:31	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 06:31	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 06:31	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 06:31	1
Acetone	ND		10	3.1	ug/L			10/28/23 06:31	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 06:31	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 06:31	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 06:31	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 06:31	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 06:31	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 06:31	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 06:31	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 06:31	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 06:31	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 06:31	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 06:31	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 06:31	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 06:31	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 06:31	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 06:31	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 06:31	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 06:31	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 06:31	1
Methyl iodide	ND		0.50	0.070	ug/L			10/28/23 06:31	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 06:31	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 06:31	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 06:31	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 06:31	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-17

Lab Sample ID: 580-133193-16

Date Collected: 10/24/23 11:12

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 06:31	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 06:31	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 06:31	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 06:31	1
Trichlorofluoromethane	0.59		0.50	0.12	ug/L			10/28/23 06:31	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 06:31	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 06:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		10/28/23 06:31	1
4-Bromofluorobenzene (Surr)	102		80 - 120		10/28/23 06:31	1
Dibromofluoromethane (Surr)	102		80 - 120		10/28/23 06:31	1
Toluene-d8 (Surr)	98		80 - 120		10/28/23 06:31	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/04/23 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/04/23 00:59	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/04/23 00:59	1
Dibromofluoromethane (Surr)	99		80 - 120		11/04/23 00:59	1
Toluene-d8 (Surr)	99		80 - 120		11/04/23 00:59	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 17:55	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 17:55	1
Magnesium	72		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 17:55	1
Manganese	0.019	J	0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 17:55	1
Potassium	8.2		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 17:55	1
Sodium	41		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 17:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00020	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:26	1
Arsenic	0.0029		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:26	1
Barium	0.027		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:26	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:26	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:26	1
Chromium	0.00038	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:26	1
Cobalt	0.000088	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:26	1
Copper	0.00080	J	0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:26	1
Iron	0.091	J	0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:26	1
Lead	0.00014	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:26	1
Nickel	0.0046		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:26	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:26	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:26	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:26	1
Vanadium	0.0032	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:26	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:26	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-17

Lab Sample ID: 580-133193-16

Date Collected: 10/24/23 11:12

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 23:00	1
Chloride (EPA 300.0)	74		1.5	0.43	mg/L			10/27/23 23:00	1
Sulfate (EPA 300.0)	73		1.5	0.80	mg/L			10/27/23 23:00	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:29	1
Nitrate Nitrite as N (EPA 353.2)	4.3		0.50	0.20	mg/L			11/01/23 11:41	5
Carbon, Total Organic (SM 5310D)	1.8		0.50	0.26	mg/L			10/31/23 03:31	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	430		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	430		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	750		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:38	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-18

Lab Sample ID: 580-133193-17

Date Collected: 10/24/23 12:03

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.011	J	0.020	0.0030	ug/L			11/06/23 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					11/06/23 20:15	1
1,2-Dichloroethane-d4 (Surr)	113		68 - 120					11/06/23 20:15	1
4-Bromofluorobenzene (Surr)	96		80 - 125					11/06/23 20:15	1
Dibromofluoromethane (Surr)	109		80 - 120					11/06/23 20:15	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 06:52	1
1,1,1-Trichloroethane	0.27		0.20	0.025	ug/L			10/28/23 06:52	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 06:52	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 06:52	1
1,1-Dichloroethane	0.19	J	0.20	0.025	ug/L			10/28/23 06:52	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 06:52	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 06:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 06:52	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 06:52	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 06:52	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/28/23 06:52	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 06:52	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 06:52	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 06:52	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 06:52	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 06:52	1
Acetone	ND		10	3.1	ug/L			10/28/23 06:52	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 06:52	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 06:52	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 06:52	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 06:52	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 06:52	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 06:52	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 06:52	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 06:52	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 06:52	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 06:52	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 06:52	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 06:52	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 06:52	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 06:52	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 06:52	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 06:52	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 06:52	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 06:52	1
Methyl iodide	ND		0.50	0.070	ug/L			10/28/23 06:52	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 06:52	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 06:52	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 06:52	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 06:52	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-18

Lab Sample ID: 580-133193-17

Date Collected: 10/24/23 12:03

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 06:52	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 06:52	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 06:52	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 06:52	1
Trichlorofluoromethane	2.8		0.50	0.12	ug/L			10/28/23 06:52	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 06:52	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 06:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		10/28/23 06:52	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/28/23 06:52	1
Dibromofluoromethane (Surr)	100		80 - 120		10/28/23 06:52	1
Toluene-d8 (Surr)	97		80 - 120		10/28/23 06:52	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/04/23 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		11/04/23 01:19	1
4-Bromofluorobenzene (Surr)	103		80 - 120		11/04/23 01:19	1
Dibromofluoromethane (Surr)	99		80 - 120		11/04/23 01:19	1
Toluene-d8 (Surr)	99		80 - 120		11/04/23 01:19	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	140		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:22	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:22	1
Magnesium	77		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:22	1
Manganese	ND		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:22	1
Potassium	9.4		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:22	1
Sodium	32		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00016	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:29	1
Arsenic	0.0012		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:29	1
Barium	0.044		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:29	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:29	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:29	1
Chromium	0.013		0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:29	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:29	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:29	1
Iron	0.096	J	0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:29	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:29	1
Nickel	0.0021	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:29	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:29	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:29	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:29	1
Vanadium	0.0047		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:29	1
Zinc	0.0034	J	0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:29	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-18

Lab Sample ID: 580-133193-17

Date Collected: 10/24/23 12:03

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.081	J	0.20	0.030	mg/L			10/27/23 23:12	1
Chloride (EPA 300.0)	20		1.5	0.43	mg/L			10/27/23 23:12	1
Sulfate (EPA 300.0)	54		1.5	0.80	mg/L			10/27/23 23:12	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:30	1
Nitrate Nitrite as N (EPA 353.2)	6.6		1.0	0.40	mg/L			11/01/23 11:43	10
Carbon, Total Organic (SM 5310D)	1.3		0.50	0.26	mg/L			10/31/23 03:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	600		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	600		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	860		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:38	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-19

Lab Sample ID: 580-133193-18

Date Collected: 10/24/23 13:05

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/06/23 20:39	1
1,2-Dichloroethane-d4 (Surr)	115		68 - 120					11/06/23 20:39	1
4-Bromofluorobenzene (Surr)	98		80 - 125					11/06/23 20:39	1
Dibromofluoromethane (Surr)	109		80 - 120					11/06/23 20:39	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 07:12	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			10/28/23 07:12	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 07:12	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 07:12	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			10/28/23 07:12	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 07:12	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 07:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 07:12	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 07:12	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 07:12	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/28/23 07:12	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 07:12	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 07:12	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 07:12	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 07:12	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 07:12	1
Acetone	ND		10	3.1	ug/L			10/28/23 07:12	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 07:12	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 07:12	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 07:12	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 07:12	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 07:12	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 07:12	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 07:12	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 07:12	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 07:12	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 07:12	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 07:12	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 07:12	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 07:12	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 07:12	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 07:12	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 07:12	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 07:12	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 07:12	1
Methyl iodide	ND		0.50	0.070	ug/L			10/28/23 07:12	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 07:12	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 07:12	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 07:12	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 07:12	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-19

Lab Sample ID: 580-133193-18

Date Collected: 10/24/23 13:05

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 07:12	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 07:12	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 07:12	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 07:12	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			10/28/23 07:12	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 07:12	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 07:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		10/28/23 07:12	1
4-Bromofluorobenzene (Surr)	99		80 - 120		10/28/23 07:12	1
Dibromofluoromethane (Surr)	101		80 - 120		10/28/23 07:12	1
Toluene-d8 (Surr)	95		80 - 120		10/28/23 07:12	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/04/23 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		11/04/23 01:40	1
4-Bromofluorobenzene (Surr)	103		80 - 120		11/04/23 01:40	1
Dibromofluoromethane (Surr)	101		80 - 120		11/04/23 01:40	1
Toluene-d8 (Surr)	98		80 - 120		11/04/23 01:40	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	73		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:26	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:26	1
Magnesium	28		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:26	1
Manganese	0.027		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:26	1
Potassium	6.2		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:26	1
Sodium	22		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:32	1
Arsenic	0.0083		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:32	1
Barium	0.030		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:32	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:32	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:32	1
Chromium	0.00061	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:32	1
Cobalt	0.000096	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:32	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:32	1
Iron	0.29		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:32	1
Lead	0.00023	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:32	1
Nickel	0.00068	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:32	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:32	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:32	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:32	1
Vanadium	ND		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:32	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:32	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-19

Lab Sample ID: 580-133193-18

Date Collected: 10/24/23 13:05

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 23:23	1
Chloride (EPA 300.0)	38		1.5	0.43	mg/L			10/27/23 23:23	1
Sulfate (EPA 300.0)	26		1.5	0.80	mg/L			10/27/23 23:23	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:32	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 11:45	1
Carbon, Total Organic (SM 5310D)	0.87		0.50	0.26	mg/L			10/31/23 04:10	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	250		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	680		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:38	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-20

Lab Sample ID: 580-133193-19

Date Collected: 10/24/23 14:00

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		11/06/23 21:02	1
1,2-Dichloroethane-d4 (Surr)	113		68 - 120		11/06/23 21:02	1
4-Bromofluorobenzene (Surr)	102		80 - 125		11/06/23 21:02	1
Dibromofluoromethane (Surr)	104		80 - 120		11/06/23 21:02	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 07:32	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			10/28/23 07:32	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 07:32	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 07:32	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			10/28/23 07:32	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 07:32	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 07:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 07:32	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 07:32	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 07:32	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/28/23 07:32	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 07:32	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 07:32	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 07:32	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 07:32	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 07:32	1
Acetone	ND		10	3.1	ug/L			10/28/23 07:32	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 07:32	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 07:32	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 07:32	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 07:32	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 07:32	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 07:32	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 07:32	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 07:32	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 07:32	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 07:32	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 07:32	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 07:32	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 07:32	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 07:32	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 07:32	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 07:32	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 07:32	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 07:32	1
Methyl iodide	ND		0.50	0.070	ug/L			10/28/23 07:32	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 07:32	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 07:32	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 07:32	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 07:32	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-20

Lab Sample ID: 580-133193-19

Date Collected: 10/24/23 14:00

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 07:32	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 07:32	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 07:32	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 07:32	1
Trichlorofluoromethane	0.99		0.50	0.12	ug/L			10/28/23 07:32	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 07:32	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 07:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		10/28/23 07:32	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/28/23 07:32	1
Dibromofluoromethane (Surr)	101		80 - 120		10/28/23 07:32	1
Toluene-d8 (Surr)	97		80 - 120		10/28/23 07:32	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/04/23 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		11/04/23 02:00	1
4-Bromofluorobenzene (Surr)	102		80 - 120		11/04/23 02:00	1
Dibromofluoromethane (Surr)	100		80 - 120		11/04/23 02:00	1
Toluene-d8 (Surr)	99		80 - 120		11/04/23 02:00	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:29	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:29	1
Magnesium	44		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:29	1
Manganese	ND		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:29	1
Potassium	5.7		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:29	1
Sodium	27		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00019	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:34	1
Arsenic	0.0023		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:34	1
Barium	0.032		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:34	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:34	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:34	1
Chromium	0.010		0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:34	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:34	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:34	1
Iron	0.083	J	0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:34	1
Lead	0.000078	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:34	1
Nickel	0.0031		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:34	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:34	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:34	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:34	1
Vanadium	0.0057		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:34	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:34	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-20

Lab Sample ID: 580-133193-19

Date Collected: 10/24/23 14:00

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.067	J	0.20	0.030	mg/L			10/27/23 23:35	1
Chloride (EPA 300.0)	31		1.5	0.43	mg/L			10/27/23 23:35	1
Sulfate (EPA 300.0)	42		1.5	0.80	mg/L			10/27/23 23:35	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:33	1
Nitrate Nitrite as N (EPA 353.2)	8.2		1.0	0.40	mg/L			11/01/23 11:47	10
Carbon, Total Organic (SM 5310D)	1.0		0.50	0.26	mg/L			10/31/23 04:29	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	410		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	410		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	530		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		10/28/23 16:38	10/28/23 19:32	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-21

Lab Sample ID: 580-133193-20

Date Collected: 10/25/23 09:42

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	9.6		0.020	0.0030	ug/L			11/07/23 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120					11/07/23 00:08	1
1,2-Dichloroethane-d4 (Surr)	113		68 - 120					11/07/23 00:08	1
4-Bromofluorobenzene (Surr)	100		80 - 125					11/07/23 00:08	1
Dibromofluoromethane (Surr)	105		80 - 120					11/07/23 00:08	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 22:00	1
1,1,1-Trichloroethane	0.37		0.20	0.025	ug/L			11/06/23 22:00	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 22:00	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 22:00	1
1,1-Dichloroethane	0.19	J	0.20	0.025	ug/L			11/06/23 22:00	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 22:00	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 22:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 22:00	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 22:00	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 22:00	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 22:00	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 22:00	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 22:00	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 22:00	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 22:00	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 22:00	1
Acetone	ND		10	3.1	ug/L			11/06/23 22:00	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 22:00	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 22:00	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 22:00	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 22:00	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 22:00	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 22:00	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 22:00	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 22:00	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 22:00	1
Chloroethane	0.32	J	0.50	0.096	ug/L			11/06/23 22:00	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 22:00	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 22:00	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 22:00	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 22:00	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 22:00	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 22:00	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 22:00	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 22:00	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 22:00	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 22:00	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 22:00	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 22:00	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 22:00	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-21

Lab Sample ID: 580-133193-20

Date Collected: 10/25/23 09:42

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 22:00	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 22:00	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 22:00	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 22:00	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 22:00	1
Trichlorofluoromethane	2.2		0.50	0.12	ug/L			11/06/23 22:00	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		11/06/23 22:00	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/06/23 22:00	1
Dibromofluoromethane (Surr)	100		80 - 120		11/06/23 22:00	1
Toluene-d8 (Surr)	99		80 - 120		11/06/23 22:00	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	9.8		0.10	0.040	ug/L			11/07/23 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/07/23 13:42	1
4-Bromofluorobenzene (Surr)	99		80 - 120		11/07/23 13:42	1
Dibromofluoromethane (Surr)	99		80 - 120		11/07/23 13:42	1
Toluene-d8 (Surr)	99		80 - 120		11/07/23 13:42	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:33	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:33	1
Magnesium	78		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:33	1
Manganese	0.053		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:33	1
Potassium	7.9		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:33	1
Sodium	32		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00019	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:37	1
Arsenic	0.0017		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:37	1
Barium	0.035		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:37	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:37	1
Cadmium	0.000097	J	0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:37	1
Chromium	0.00026	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:37	1
Cobalt	0.00019	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:37	1
Copper	0.00072	J	0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:37	1
Iron	0.10		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:37	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:37	1
Nickel	0.0074		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:37	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:37	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:37	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:37	1
Vanadium	0.0058		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:37	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:37	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-21

Lab Sample ID: 580-133193-20

Date Collected: 10/25/23 09:42

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 23:47	1
Chloride (EPA 300.0)	41		1.5	0.43	mg/L			10/27/23 23:47	1
Sulfate (EPA 300.0)	87		1.5	0.80	mg/L			10/27/23 23:47	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 12:35	1
Nitrate Nitrite as N (EPA 353.2)	15		1.0	0.40	mg/L			11/01/23 12:05	10
Carbon, Total Organic (SM 5310D)	2.3		0.50	0.26	mg/L			10/31/23 04:49	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	550		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	550		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	810		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-22

Lab Sample ID: 580-133193-21

Date Collected: 10/25/23 10:22

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.023		0.020	0.0030	ug/L			11/07/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					11/07/23 00:32	1
1,2-Dichloroethane-d4 (Surr)	115		68 - 120					11/07/23 00:32	1
4-Bromofluorobenzene (Surr)	98		80 - 125					11/07/23 00:32	1
Dibromofluoromethane (Surr)	108		80 - 120					11/07/23 00:32	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 22:20	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 22:20	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 22:20	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 22:20	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 22:20	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 22:20	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 22:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 22:20	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 22:20	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 22:20	1
1,2-Dichloroethane	0.069	J	0.20	0.043	ug/L			11/06/23 22:20	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 22:20	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 22:20	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 22:20	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 22:20	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 22:20	1
Acetone	ND		10	3.1	ug/L			11/06/23 22:20	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 22:20	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 22:20	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 22:20	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 22:20	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 22:20	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 22:20	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 22:20	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 22:20	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 22:20	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 22:20	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 22:20	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 22:20	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 22:20	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 22:20	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 22:20	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 22:20	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 22:20	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 22:20	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 22:20	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 22:20	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 22:20	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 22:20	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 22:20	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-22

Lab Sample ID: 580-133193-21

Date Collected: 10/25/23 10:22

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 22:20	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 22:20	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 22:20	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 22:20	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 22:20	1
Trichlorofluoromethane	2.4		0.50	0.12	ug/L			11/06/23 22:20	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 22:20	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120					11/06/23 22:20	1
4-Bromofluorobenzene (Surr)	102		80 - 120					11/06/23 22:20	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 22:20	1
Toluene-d8 (Surr)	100		80 - 120					11/06/23 22:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	130		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:36	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:36	1
Magnesium	57		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:36	1
Manganese	0.43		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:36	1
Potassium	7.0		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:36	1
Sodium	30		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00035	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:53	1
Arsenic	0.0013		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:53	1
Barium	0.046		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:53	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:53	1
Cadmium	0.000083	J	0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:53	1
Chromium	0.00023	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:53	1
Cobalt	0.00075		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:53	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:53	1
Iron	0.10		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:53	1
Lead	0.000092	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:53	1
Nickel	0.0044		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:53	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:53	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:53	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:53	1
Vanadium	0.0028	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:53	1
Zinc	0.0016	J	0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 11:41	1
Chloride (EPA 300.0)	21		1.5	0.43	mg/L			10/27/23 11:41	1
Sulfate (EPA 300.0)	46		1.5	0.80	mg/L			10/27/23 11:41	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 12:53	1
Nitrate Nitrite as N (EPA 353.2)	6.4		0.50	0.20	mg/L			11/01/23 12:07	5

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-22

Lab Sample ID: 580-133193-21

Date Collected: 10/25/23 10:22

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	0.97		0.50	0.26	mg/L			10/31/23 07:46	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	500		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	500		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	640		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-23

Lab Sample ID: 580-133193-22

Date Collected: 10/24/23 14:57

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.076		0.020	0.0030	ug/L			11/06/23 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120					11/06/23 21:25	1
1,2-Dichloroethane-d4 (Surr)	114		68 - 120					11/06/23 21:25	1
4-Bromofluorobenzene (Surr)	102		80 - 125					11/06/23 21:25	1
Dibromofluoromethane (Surr)	104		80 - 120					11/06/23 21:25	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 07:52	1
1,1,1-Trichloroethane	0.025	J	0.20	0.025	ug/L			10/28/23 07:52	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 07:52	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 07:52	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			10/28/23 07:52	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 07:52	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 07:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 07:52	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 07:52	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 07:52	1
1,2-Dichloroethane	0.065	J	0.20	0.043	ug/L			10/28/23 07:52	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 07:52	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 07:52	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 07:52	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 07:52	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 07:52	1
Acetone	ND		10	3.1	ug/L			10/28/23 07:52	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 07:52	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 07:52	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 07:52	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 07:52	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 07:52	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 07:52	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 07:52	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 07:52	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 07:52	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 07:52	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 07:52	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 07:52	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 07:52	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 07:52	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 07:52	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 07:52	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 07:52	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 07:52	1
Methyl iodide	ND		0.50	0.070	ug/L			10/28/23 07:52	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 07:52	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 07:52	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 07:52	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 07:52	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-23

Lab Sample ID: 580-133193-22

Date Collected: 10/24/23 14:57

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 07:52	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 07:52	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 07:52	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 07:52	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			10/28/23 07:52	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 07:52	1
Vinyl chloride	0.075	J	0.10	0.040	ug/L			10/28/23 07:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		10/28/23 07:52	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/28/23 07:52	1
Dibromofluoromethane (Surr)	101		80 - 120		10/28/23 07:52	1
Toluene-d8 (Surr)	97		80 - 120		10/28/23 07:52	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L	-		11/04/23 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120					11/04/23 02:20	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/04/23 02:20	1
Dibromofluoromethane (Surr)	99		80 - 120					11/04/23 02:20	1
Toluene-d8 (Surr)	98		80 - 120					11/04/23 02:20	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	160		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:40	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:40	1
Magnesium	110		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:40	1
Manganese	0.052		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:40	1
Potassium	8.9		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:40	1
Sodium	43		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00027	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:56	1
Arsenic	0.0054		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:56	1
Barium	0.048		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:56	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:56	1
Cadmium	0.000079	J	0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:56	1
Chromium	0.0017		0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:56	1
Cobalt	0.0010		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:56	1
Copper	0.0019	J	0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:56	1
Iron	0.84		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:56	1
Lead	0.00072		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:56	1
Nickel	0.0067		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:56	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:56	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:56	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:56	1
Vanadium	0.0069		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:56	1
Zinc	0.0029	J	0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:56	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-23

Lab Sample ID: 580-133193-22

Date Collected: 10/24/23 14:57

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 12:16	1
Chloride (EPA 300.0)	91		1.5	0.43	mg/L			10/27/23 12:16	1
Sulfate (EPA 300.0)	120		15	8.0	mg/L			10/27/23 12:27	10
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 12:54	1
Nitrate Nitrite as N (EPA 353.2)	0.088	J	0.10	0.040	mg/L			11/01/23 12:09	1
Carbon, Total Organic (SM 5310D)	1.7		0.50	0.26	mg/L			10/31/23 08:05	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	670		7.0	7.0	mg/L			11/01/23 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	670		7.0	7.0	mg/L			11/01/23 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 19:12	1
Total Dissolved Solids (SM 2540C)	1000		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-24

Lab Sample ID: 580-133193-23

Date Collected: 10/24/23 15:34

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	15		2.0	0.80	mg/L			11/10/23 11:24	20

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-25

Lab Sample ID: 580-133193-24

Date Collected: 10/26/23 10:12

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/08/23 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120					11/08/23 19:58	1
1,2-Dichloroethane-d4 (Surr)	114		68 - 120					11/08/23 19:58	1
4-Bromofluorobenzene (Surr)	98		80 - 125					11/08/23 19:58	1
Dibromofluoromethane (Surr)	106		80 - 120					11/08/23 19:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/07/23 04:45	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/07/23 04:45	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/07/23 04:45	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/07/23 04:45	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/07/23 04:45	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/07/23 04:45	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/07/23 04:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/07/23 04:45	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/07/23 04:45	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/07/23 04:45	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/07/23 04:45	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/07/23 04:45	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/07/23 04:45	1
2-Butanone	ND		10	2.5	ug/L			11/07/23 04:45	1
2-Hexanone	ND		3.0	0.94	ug/L			11/07/23 04:45	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/07/23 04:45	1
Acetone	ND		10	3.1	ug/L			11/07/23 04:45	1
Acrylonitrile	ND		10	2.0	ug/L			11/07/23 04:45	1
Benzene	ND		0.20	0.030	ug/L			11/07/23 04:45	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/07/23 04:45	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/07/23 04:45	1
Bromoform	ND		0.50	0.16	ug/L			11/07/23 04:45	1
Bromomethane	ND		0.50	0.13	ug/L			11/07/23 04:45	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/07/23 04:45	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/07/23 04:45	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/07/23 04:45	1
Chloroethane	ND		0.50	0.096	ug/L			11/07/23 04:45	1
Chloroform	ND		0.20	0.030	ug/L			11/07/23 04:45	1
Chloromethane	ND		0.50	0.14	ug/L			11/07/23 04:45	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/07/23 04:45	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/07/23 04:45	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/07/23 04:45	1
Dibromomethane	ND		0.20	0.062	ug/L			11/07/23 04:45	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/07/23 04:45	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/07/23 04:45	1
Methyl iodide	ND		0.50	0.070	ug/L			11/07/23 04:45	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/07/23 04:45	1
o-Xylene	ND		0.50	0.15	ug/L			11/07/23 04:45	1
Styrene	ND		1.0	0.19	ug/L			11/07/23 04:45	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/07/23 04:45	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-25

Lab Sample ID: 580-133193-24

Date Collected: 10/26/23 10:12

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/07/23 04:45	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/07/23 04:45	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/07/23 04:45	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/07/23 04:45	1
Trichloroethene	ND		0.20	0.066	ug/L			11/07/23 04:45	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/07/23 04:45	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/07/23 04:45	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/07/23 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					11/07/23 04:45	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/07/23 04:45	1
Dibromofluoromethane (Surr)	100		80 - 120					11/07/23 04:45	1
Toluene-d8 (Surr)	99		80 - 120					11/07/23 04:45	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	81		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:51	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:51	1
Magnesium	49		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:51	1
Manganese	ND		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:51	1
Potassium	5.7		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:51	1
Sodium	33		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00016	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 12:58	1
Arsenic	0.0032		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 12:58	1
Barium	0.023		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 12:58	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 12:58	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 12:58	1
Chromium	0.0019		0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 12:58	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 12:58	1
Copper	0.029		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 12:58	1
Iron	0.15		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 12:58	1
Lead	0.00011	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 12:58	1
Nickel	0.0015	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 12:58	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 12:58	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 12:58	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 12:58	1
Vanadium	0.0027	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 12:58	1
Zinc	0.013		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.20		0.20	0.030	mg/L			10/27/23 12:39	1
Chloride (EPA 300.0)	53		1.5	0.43	mg/L			10/27/23 12:39	1
Sulfate (EPA 300.0)	48		1.5	0.80	mg/L			10/27/23 12:39	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 12:56	1
Nitrate Nitrite as N (EPA 353.2)	1.8		0.10	0.040	mg/L			11/01/23 12:11	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-25

Lab Sample ID: 580-133193-24

Date Collected: 10/26/23 10:12

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.6		0.50	0.26	mg/L			10/31/23 08:25	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	330		7.0	7.0	mg/L			11/01/23 21:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	330		7.0	7.0	mg/L			11/01/23 21:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 21:43	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 21:43	1
Total Dissolved Solids (SM 2540C)	470		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-26

Lab Sample ID: 580-133193-25

Date Collected: 10/25/23 12:02

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/07/23 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120					11/07/23 00:55	1
1,2-Dichloroethane-d4 (Surr)	115		68 - 120					11/07/23 00:55	1
4-Bromofluorobenzene (Surr)	101		80 - 125					11/07/23 00:55	1
Dibromofluoromethane (Surr)	106		80 - 120					11/07/23 00:55	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 22:41	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 22:41	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 22:41	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 22:41	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 22:41	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 22:41	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 22:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 22:41	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 22:41	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 22:41	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 22:41	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 22:41	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 22:41	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 22:41	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 22:41	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 22:41	1
Acetone	ND		10	3.1	ug/L			11/06/23 22:41	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 22:41	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 22:41	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 22:41	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 22:41	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 22:41	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 22:41	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 22:41	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 22:41	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 22:41	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 22:41	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 22:41	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 22:41	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 22:41	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 22:41	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 22:41	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 22:41	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 22:41	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 22:41	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 22:41	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 22:41	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 22:41	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 22:41	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 22:41	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-26

Lab Sample ID: 580-133193-25

Date Collected: 10/25/23 12:02

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 22:41	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 22:41	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 22:41	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 22:41	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 22:41	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 22:41	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 22:41	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120					11/06/23 22:41	1
4-Bromofluorobenzene (Surr)	99		80 - 120					11/06/23 22:41	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 22:41	1
Toluene-d8 (Surr)	99		80 - 120					11/06/23 22:41	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	30		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:54	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:54	1
Magnesium	34		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:54	1
Manganese	0.027		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:54	1
Potassium	15		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:54	1
Sodium	15		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 13:01	1
Arsenic	0.021		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 13:01	1
Barium	0.026		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 13:01	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 13:01	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 13:01	1
Chromium	0.00037	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 13:01	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 13:01	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 13:01	1
Iron	0.13		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 13:01	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 13:01	1
Nickel	0.00025	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 13:01	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 13:01	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 13:01	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 13:01	1
Vanadium	ND		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 13:01	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.17	J	0.20	0.030	mg/L			10/27/23 12:51	1
Chloride (EPA 300.0)	41		1.5	0.43	mg/L			10/27/23 12:51	1
Sulfate (EPA 300.0)	18		1.5	0.80	mg/L			10/27/23 12:51	1
Ammonia (EPA 350.1)	0.075		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 12:57	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 12:17	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-26

Lab Sample ID: 580-133193-25

Date Collected: 10/25/23 12:02

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.1		0.50	0.26	mg/L			10/31/23 08:44	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	290		7.0	7.0	mg/L			11/01/23 20:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	290		7.0	7.0	mg/L			11/01/23 20:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 20:48	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 20:48	1
Total Dissolved Solids (SM 2540C)	280		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-27

Lab Sample ID: 580-133193-26

Date Collected: 10/25/23 11:07

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/07/23 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/07/23 01:18	1
1,2-Dichloroethane-d4 (Surr)	115		68 - 120					11/07/23 01:18	1
4-Bromofluorobenzene (Surr)	97		80 - 125					11/07/23 01:18	1
Dibromofluoromethane (Surr)	109		80 - 120					11/07/23 01:18	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 23:01	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 23:01	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 23:01	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 23:01	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 23:01	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 23:01	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 23:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 23:01	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 23:01	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 23:01	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 23:01	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 23:01	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 23:01	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 23:01	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 23:01	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 23:01	1
Acetone	ND		10	3.1	ug/L			11/06/23 23:01	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 23:01	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 23:01	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 23:01	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 23:01	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 23:01	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 23:01	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 23:01	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 23:01	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 23:01	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 23:01	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 23:01	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 23:01	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 23:01	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 23:01	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 23:01	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 23:01	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 23:01	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 23:01	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 23:01	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 23:01	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 23:01	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 23:01	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 23:01	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-27

Lab Sample ID: 580-133193-26

Date Collected: 10/25/23 11:07

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 23:01	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 23:01	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 23:01	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 23:01	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 23:01	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 23:01	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 23:01	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 23:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					11/06/23 23:01	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/06/23 23:01	1
Dibromofluoromethane (Surr)	100		80 - 120					11/06/23 23:01	1
Toluene-d8 (Surr)	99		80 - 120					11/06/23 23:01	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 18:58	1
Iron	0.83	B	0.30	0.061	mg/L		10/31/23 15:17	11/01/23 18:58	1
Magnesium	59		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 18:58	1
Manganese	0.087		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 18:58	1
Potassium	7.5		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 18:58	1
Sodium	31		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 18:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 13:04	1
Arsenic	0.0066		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 13:04	1
Barium	0.045		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 13:04	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 13:04	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 13:04	1
Chromium	0.00023	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 13:04	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 13:04	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 13:04	1
Iron	0.89		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 13:04	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 13:04	1
Nickel	0.0013	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 13:04	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 13:04	1
Silver	0.000038	J	0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 13:04	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 13:04	1
Vanadium	0.0027	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 13:04	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 13:26	1
Chloride (EPA 300.0)	57		1.5	0.43	mg/L			10/27/23 13:26	1
Sulfate (EPA 300.0)	48		1.5	0.80	mg/L			10/27/23 13:26	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 12:59	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 12:19	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-27

Lab Sample ID: 580-133193-26

Date Collected: 10/25/23 11:07

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.2		0.50	0.26	mg/L			10/31/23 09:04	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	410		7.0	7.0	mg/L			11/01/23 20:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	410		7.0	7.0	mg/L			11/01/23 20:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 20:48	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 20:48	1
Total Dissolved Solids (SM 2540C)	570		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-28

Lab Sample ID: 580-133193-27

Date Collected: 10/24/23 11:25

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.011	J	0.020	0.0030	ug/L			11/03/23 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		11/03/23 22:31	1
1,2-Dichloroethane-d4 (Surr)	112		68 - 120		11/03/23 22:31	1
4-Bromofluorobenzene (Surr)	103		80 - 125		11/03/23 22:31	1
Dibromofluoromethane (Surr)	102		80 - 120		11/03/23 22:31	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 08:13	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			10/28/23 08:13	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 08:13	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 08:13	1
1,1-Dichloroethane	0.044	J	0.20	0.025	ug/L			10/28/23 08:13	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 08:13	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 08:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 08:13	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 08:13	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 08:13	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/28/23 08:13	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 08:13	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 08:13	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 08:13	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 08:13	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 08:13	1
Acetone	ND		10	3.1	ug/L			10/28/23 08:13	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 08:13	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 08:13	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 08:13	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 08:13	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 08:13	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 08:13	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 08:13	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 08:13	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 08:13	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 08:13	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 08:13	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 08:13	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 08:13	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 08:13	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 08:13	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 08:13	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 08:13	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 08:13	1
Methyl iodide	ND		0.50	0.070	ug/L			10/28/23 08:13	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 08:13	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 08:13	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 08:13	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 08:13	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-28

Lab Sample ID: 580-133193-27

Date Collected: 10/24/23 11:25

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 08:13	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 08:13	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 08:13	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 08:13	1
Trichlorofluoromethane	0.60		0.50	0.12	ug/L			10/28/23 08:13	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 08:13	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 08:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		10/28/23 08:13	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/28/23 08:13	1
Dibromofluoromethane (Surr)	101		80 - 120		10/28/23 08:13	1
Toluene-d8 (Surr)	96		80 - 120		10/28/23 08:13	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/03/23 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		11/03/23 20:56	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/03/23 20:56	1
Dibromofluoromethane (Surr)	100		80 - 120		11/03/23 20:56	1
Toluene-d8 (Surr)	99		80 - 120		11/03/23 20:56	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 19:01	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 19:01	1
Magnesium	70		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 19:01	1
Manganese	0.018	J	0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 19:01	1
Potassium	8.2		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 19:01	1
Sodium	41		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 19:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00016	J	0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 13:06	1
Arsenic	0.0029		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 13:06	1
Barium	0.027		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 13:06	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 13:06	1
Cadmium	0.000039	J	0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 13:06	1
Chromium	0.00042	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 13:06	1
Cobalt	0.000080	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 13:06	1
Copper	0.0010	J	0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 13:06	1
Iron	0.094	J	0.10	0.013	mg/L		10/31/23 15:10	11/01/23 13:06	1
Lead	0.00012	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 13:06	1
Nickel	0.0045		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 13:06	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 13:06	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 13:06	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 13:06	1
Vanadium	0.0031	J	0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 13:06	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 13:06	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-28

Lab Sample ID: 580-133193-27

Date Collected: 10/24/23 11:25

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.087	J	0.20	0.030	mg/L			10/27/23 13:38	1
Chloride (EPA 300.0)	74		1.5	0.43	mg/L			10/27/23 13:38	1
Sulfate (EPA 300.0)	72		1.5	0.80	mg/L			10/27/23 13:38	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 13:00	1
Nitrate Nitrite as N (EPA 353.2)	4.3		0.20	0.080	mg/L			11/01/23 12:21	2
Carbon, Total Organic (SM 5310D)	1.8		0.50	0.26	mg/L			10/31/23 09:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	430		7.0	7.0	mg/L			11/01/23 20:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	430		7.0	7.0	mg/L			11/01/23 20:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 20:48	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 20:48	1
Total Dissolved Solids (SM 2540C)	710		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: Trip Blank

Lab Sample ID: 580-133193-28

Date Collected: 10/26/23 11:44

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/07/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120					11/07/23 18:29	1
1,2-Dichloroethane-d4 (Surr)	109		68 - 120					11/07/23 18:29	1
4-Bromofluorobenzene (Surr)	107		80 - 125					11/07/23 18:29	1
Dibromofluoromethane (Surr)	96		80 - 120					11/07/23 18:29	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/07/23 02:23	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/07/23 02:23	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/07/23 02:23	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/07/23 02:23	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/07/23 02:23	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/07/23 02:23	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/07/23 02:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/07/23 02:23	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/07/23 02:23	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/07/23 02:23	1
1,2-Dichloroethane	0.070 J		0.20	0.043	ug/L			11/07/23 02:23	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/07/23 02:23	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/07/23 02:23	1
2-Butanone	ND		10	2.5	ug/L			11/07/23 02:23	1
2-Hexanone	ND		3.0	0.94	ug/L			11/07/23 02:23	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/07/23 02:23	1
Acetone	ND		10	3.1	ug/L			11/07/23 02:23	1
Acrylonitrile	ND		10	2.0	ug/L			11/07/23 02:23	1
Benzene	ND		0.20	0.030	ug/L			11/07/23 02:23	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/07/23 02:23	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/07/23 02:23	1
Bromoform	ND		0.50	0.16	ug/L			11/07/23 02:23	1
Bromomethane	ND		0.50	0.13	ug/L			11/07/23 02:23	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/07/23 02:23	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/07/23 02:23	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/07/23 02:23	1
Chloroethane	ND		0.50	0.096	ug/L			11/07/23 02:23	1
Chloroform	ND		0.20	0.030	ug/L			11/07/23 02:23	1
Chloromethane	ND		0.50	0.14	ug/L			11/07/23 02:23	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/07/23 02:23	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/07/23 02:23	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/07/23 02:23	1
Dibromomethane	ND		0.20	0.062	ug/L			11/07/23 02:23	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/07/23 02:23	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/07/23 02:23	1
Methyl iodide	ND		0.50	0.070	ug/L			11/07/23 02:23	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/07/23 02:23	1
o-Xylene	ND		0.50	0.15	ug/L			11/07/23 02:23	1
Styrene	ND		1.0	0.19	ug/L			11/07/23 02:23	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/07/23 02:23	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: Trip Blank

Lab Sample ID: 580-133193-28

Date Collected: 10/26/23 11:44

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/07/23 02:23	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/07/23 02:23	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/07/23 02:23	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/07/23 02:23	1
Trichloroethene	ND		0.20	0.066	ug/L			11/07/23 02:23	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/07/23 02:23	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/07/23 02:23	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/07/23 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					11/07/23 02:23	1
4-Bromofluorobenzene (Surr)	99		80 - 120					11/07/23 02:23	1
Dibromofluoromethane (Surr)	99		80 - 120					11/07/23 02:23	1
Toluene-d8 (Surr)	100		80 - 120					11/07/23 02:23	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-04

Lab Sample ID: 580-133193-29

Date Collected: 10/25/23 14:19

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.024		0.020	0.0030	ug/L			11/08/23 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120					11/08/23 18:24	1
1,2-Dichloroethane-d4 (Surr)	116		68 - 120					11/08/23 18:24	1
4-Bromofluorobenzene (Surr)	102		80 - 125					11/08/23 18:24	1
Dibromofluoromethane (Surr)	103		80 - 120					11/08/23 18:24	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 23:21	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 23:21	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 23:21	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 23:21	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 23:21	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 23:21	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 23:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 23:21	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 23:21	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 23:21	1
1,2-Dichloroethane	0.075 J		0.20	0.043	ug/L			11/06/23 23:21	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 23:21	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 23:21	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 23:21	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 23:21	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 23:21	1
Acetone	ND		10	3.1	ug/L			11/06/23 23:21	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 23:21	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 23:21	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 23:21	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 23:21	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 23:21	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 23:21	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 23:21	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 23:21	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 23:21	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 23:21	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 23:21	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 23:21	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 23:21	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 23:21	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 23:21	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 23:21	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 23:21	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 23:21	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 23:21	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 23:21	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 23:21	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 23:21	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 23:21	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-04

Lab Sample ID: 580-133193-29

Date Collected: 10/25/23 14:19

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.20	0.050	ug/L			11/06/23 23:21	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 23:21	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 23:21	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 23:21	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 23:21	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 23:21	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 23:21	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					11/06/23 23:21	1
4-Bromofluorobenzene (Surr)	100		80 - 120					11/06/23 23:21	1
Dibromofluoromethane (Surr)	101		80 - 120					11/06/23 23:21	1
Toluene-d8 (Surr)	100		80 - 120					11/06/23 23:21	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	70		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 19:05	1
Iron	1.8	B	0.30	0.061	mg/L		10/31/23 15:17	11/01/23 19:05	1
Magnesium	37		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 19:05	1
Manganese	0.53		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 19:05	1
Potassium	6.1		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 19:05	1
Sodium	34		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 19:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 13:09	1
Arsenic	0.0019		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 13:09	1
Barium	0.077		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 13:09	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 13:09	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 13:09	1
Chromium	0.00025	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 13:09	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 13:09	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 13:09	1
Iron	2.2		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 13:09	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 13:09	1
Nickel	ND		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 13:09	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 13:09	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 13:09	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 13:09	1
Vanadium	ND		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 13:09	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	0.19	J	0.20	0.030	mg/L			10/27/23 15:00	1
Chloride (EPA 300.0)	17		1.5	0.43	mg/L			10/27/23 15:00	1
Sulfate (EPA 300.0)	29		1.5	0.80	mg/L			10/27/23 15:00	1
Ammonia (EPA 350.1)	0.046	J	0.075	0.029	mg/L		11/08/23 10:15	11/08/23 13:02	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 12:23	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-04

Lab Sample ID: 580-133193-29

Date Collected: 10/25/23 14:19

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SM 5310D)	1.2		0.50	0.26	mg/L			10/31/23 09:43	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	340		7.0	7.0	mg/L			11/01/23 20:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	340		7.0	7.0	mg/L			11/01/23 20:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 20:48	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 20:48	1
Total Dissolved Solids (SM 2540C)	440		50	50	mg/L			10/27/23 21:06	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-29

Lab Sample ID: 580-133193-30

Date Collected: 10/24/23 13:05

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/03/23 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/03/23 22:54	1
1,2-Dichloroethane-d4 (Surr)	113		68 - 120					11/03/23 22:54	1
4-Bromofluorobenzene (Surr)	95		80 - 125					11/03/23 22:54	1
Dibromofluoromethane (Surr)	111		80 - 120					11/03/23 22:54	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/01/23 03:37	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/01/23 03:37	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/01/23 03:37	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/01/23 03:37	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/01/23 03:37	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/01/23 03:37	1
1,2,3-Trichloropropane	ND	+	0.20	0.050	ug/L			11/01/23 03:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/01/23 03:37	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/01/23 03:37	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/01/23 03:37	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/01/23 03:37	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/01/23 03:37	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/01/23 03:37	1
2-Butanone	ND		10	2.5	ug/L			11/01/23 03:37	1
2-Hexanone	ND		3.0	0.94	ug/L			11/01/23 03:37	1
4-Methyl-2-pentanone	ND	+	10	1.7	ug/L			11/01/23 03:37	1
Acetone	ND	*1	10	3.1	ug/L			11/01/23 03:37	1
Acrylonitrile	ND		10	2.0	ug/L			11/01/23 03:37	1
Benzene	ND		0.20	0.030	ug/L			11/01/23 03:37	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/01/23 03:37	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/01/23 03:37	1
Bromoform	ND		0.50	0.16	ug/L			11/01/23 03:37	1
Bromomethane	ND		0.50	0.13	ug/L			11/01/23 03:37	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/01/23 03:37	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/01/23 03:37	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/01/23 03:37	1
Chloroethane	ND		0.50	0.096	ug/L			11/01/23 03:37	1
Chloroform	ND		0.20	0.030	ug/L			11/01/23 03:37	1
Chloromethane	ND		0.50	0.14	ug/L			11/01/23 03:37	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/01/23 03:37	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/01/23 03:37	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/01/23 03:37	1
Dibromomethane	ND		0.20	0.062	ug/L			11/01/23 03:37	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/01/23 03:37	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/01/23 03:37	1
Methyl iodide	ND		0.50	0.070	ug/L			11/01/23 03:37	1
o-Xylene	ND		0.50	0.15	ug/L			11/01/23 03:37	1
Styrene	ND		1.0	0.19	ug/L			11/01/23 03:37	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/01/23 03:37	1
Toluene	ND		0.20	0.050	ug/L			11/01/23 03:37	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-29

Lab Sample ID: 580-133193-30

Date Collected: 10/24/23 13:05

Matrix: Water

Date Received: 10/26/23 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/01/23 03:37	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/01/23 03:37	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/01/23 03:37	1
Trichloroethene	ND		0.20	0.066	ug/L			11/01/23 03:37	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/01/23 03:37	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/01/23 03:37	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/01/23 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/01/23 03:37	1
4-Bromofluorobenzene (Surr)	106		80 - 120		11/01/23 03:37	1
Dibromofluoromethane (Surr)	109		80 - 120		11/01/23 03:37	1
Toluene-d8 (Surr)	94		80 - 120		11/01/23 03:37	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/03/23 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/03/23 21:17	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/03/23 21:17	1
Dibromofluoromethane (Surr)	100		80 - 120		11/03/23 21:17	1
Toluene-d8 (Surr)	99		80 - 120		11/03/23 21:17	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	72		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 19:08	1
Iron	ND		0.30	0.061	mg/L		10/31/23 15:17	11/01/23 19:08	1
Magnesium	28		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 19:08	1
Manganese	0.028		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 19:08	1
Potassium	6.3		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 19:08	1
Sodium	22		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 19:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 13:12	1
Arsenic	0.0081		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 13:12	1
Barium	0.029		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 13:12	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 13:12	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 13:12	1
Chromium	0.00046	J	0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 13:12	1
Cobalt	0.000074	J	0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 13:12	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 13:12	1
Iron	0.23		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 13:12	1
Lead	0.00014	J	0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 13:12	1
Nickel	0.00051	J	0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 13:12	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 13:12	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 13:12	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 13:12	1
Vanadium	ND		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 13:12	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 13:12	1

Eurofins Seattle

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-29

Lab Sample ID: 580-133193-30

Date Collected: 10/24/23 13:05

Matrix: Water

Date Received: 10/26/23 14:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20	0.030	mg/L			10/27/23 15:12	1
Chloride (EPA 300.0)	37		1.5	0.43	mg/L			10/27/23 15:12	1
Sulfate (EPA 300.0)	25		1.5	0.80	mg/L			10/27/23 15:12	1
Ammonia (EPA 350.1)	ND		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 13:03	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10	0.040	mg/L			11/01/23 12:25	1
Carbon, Total Organic (SM 5310D)	0.81		0.50	0.26	mg/L			10/31/23 10:02	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	260		7.0	7.0	mg/L			11/01/23 20:48	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	260		7.0	7.0	mg/L			11/01/23 20:48	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			11/01/23 20:48	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			11/01/23 20:48	1
Total Dissolved Solids (SM 2540C)	660		50	50	mg/L			10/27/23 17:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-442255/7

Matrix: Water

Analysis Batch: 442255

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/28/23 04:10	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			10/28/23 04:10	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/28/23 04:10	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/28/23 04:10	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			10/28/23 04:10	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/28/23 04:10	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/28/23 04:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/28/23 04:10	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/28/23 04:10	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/28/23 04:10	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/28/23 04:10	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/28/23 04:10	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/28/23 04:10	1
2-Butanone	ND		10	2.5	ug/L			10/28/23 04:10	1
2-Hexanone	ND		3.0	0.94	ug/L			10/28/23 04:10	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/28/23 04:10	1
Acetone	ND		10	3.1	ug/L			10/28/23 04:10	1
Acrylonitrile	ND		10	2.0	ug/L			10/28/23 04:10	1
Benzene	ND		0.20	0.030	ug/L			10/28/23 04:10	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/28/23 04:10	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/28/23 04:10	1
Bromoform	ND		0.50	0.16	ug/L			10/28/23 04:10	1
Bromomethane	ND		0.50	0.13	ug/L			10/28/23 04:10	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/28/23 04:10	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/28/23 04:10	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/28/23 04:10	1
Chloroethane	ND		0.50	0.096	ug/L			10/28/23 04:10	1
Chloroform	ND		0.20	0.030	ug/L			10/28/23 04:10	1
Chloromethane	ND		0.50	0.14	ug/L			10/28/23 04:10	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/28/23 04:10	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/28/23 04:10	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/28/23 04:10	1
Dibromomethane	ND		0.20	0.062	ug/L			10/28/23 04:10	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/28/23 04:10	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/28/23 04:10	1
Methyl iodide	0.208	J	0.50	0.070	ug/L			10/28/23 04:10	1
o-Xylene	ND		0.50	0.15	ug/L			10/28/23 04:10	1
Styrene	ND		1.0	0.19	ug/L			10/28/23 04:10	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/28/23 04:10	1
Toluene	ND		0.20	0.050	ug/L			10/28/23 04:10	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/28/23 04:10	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/28/23 04:10	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/28/23 04:10	1
Trichloroethene	ND		0.20	0.066	ug/L			10/28/23 04:10	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			10/28/23 04:10	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/28/23 04:10	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/28/23 04:10	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-442255/7

Matrix: Water

Analysis Batch: 442255

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		10/28/23 04:10	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/28/23 04:10	1
Dibromofluoromethane (Surr)	100		80 - 120		10/28/23 04:10	1
Toluene-d8 (Surr)	97		80 - 120		10/28/23 04:10	1

Lab Sample ID: LCS 580-442255/4

Matrix: Water

Analysis Batch: 442255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.65		ug/L		93	69 - 127
1,1,1-Trichloroethane	5.00	4.90		ug/L		98	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.02		ug/L		80	67 - 136
1,1,2-Trichloroethane	5.00	4.59		ug/L		92	73 - 127
1,1-Dichloroethane	5.00	4.87		ug/L		97	74 - 120
1,1-Dichloroethene	5.00	4.86		ug/L		97	60 - 129
1,2,3-Trichloropropane	5.00	4.46		ug/L		89	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	3.88		ug/L		78	55 - 135
1,2-Dibromoethane	5.00	4.33		ug/L		87	61 - 143
1,2-Dichlorobenzene	5.00	4.72		ug/L		94	72 - 129
1,2-Dichloroethane	5.00	4.63		ug/L		93	74 - 127
1,2-Dichloropropane	5.00	4.86		ug/L		97	69 - 130
1,4-Dichlorobenzene	5.00	4.68		ug/L		94	71 - 129
2-Butanone	25.0	21.8		ug/L		87	37 - 150
2-Hexanone	25.0	19.5		ug/L		78	56 - 150
4-Methyl-2-pentanone	25.0	20.5		ug/L		82	63 - 137
Acetone	25.0	21.2		ug/L		85	49 - 150
Acrylonitrile	50.0	43.7		ug/L		87	50 - 145
Benzene	5.00	4.97		ug/L		99	80 - 120
Bromochloromethane	5.00	4.80		ug/L		96	79 - 121
Bromodichloromethane	5.00	4.87		ug/L		97	74 - 131
Bromoform	5.00	4.36		ug/L		87	48 - 127
Bromomethane	5.00	4.61		ug/L		92	51 - 148
Carbon disulfide	5.00	4.82		ug/L		96	54 - 142
Carbon tetrachloride	5.00	5.03		ug/L		101	66 - 130
Chlorobenzene	5.00	4.73		ug/L		95	74 - 123
Chloroethane	5.00	4.30		ug/L		86	54 - 140
Chloroform	5.00	4.95		ug/L		99	75 - 120
Chloromethane	5.00	4.27		ug/L		85	32 - 150
cis-1,2-Dichloroethene	5.00	4.85		ug/L		97	72 - 120
cis-1,3-Dichloropropene	5.00	4.51		ug/L		90	77 - 131
Dibromochloromethane	5.00	4.43		ug/L		89	62 - 141
Dibromomethane	5.00	4.84		ug/L		97	65 - 141
Ethylbenzene	5.00	4.71		ug/L		94	80 - 124
m,p-Xylene	5.00	4.59		ug/L		92	75 - 124
Methyl iodide	5.00	4.86		ug/L		97	60 - 128
o-Xylene	5.00	4.71		ug/L		94	71 - 124
Styrene	5.00	4.64		ug/L		93	74 - 127

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-442255/4

Matrix: Water

Analysis Batch: 442255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	5.00	4.84		ug/L		97	75 - 124
Toluene	5.00	4.68		ug/L		94	80 - 126
trans-1,2-Dichloroethene	5.00	4.98		ug/L		100	69 - 121
trans-1,3-Dichloropropene	5.00	4.43		ug/L		89	71 - 138
trans-1,4-Dichloro-2-butene	5.00	3.87		ug/L		77	20 - 150
Trichloroethene	5.00	5.15		ug/L		103	72 - 120
Trichlorofluoromethane	5.00	4.21		ug/L		84	60 - 132
Vinyl acetate	12.5	8.07		ug/L		65	38 - 150
Vinyl chloride	5.00	4.04		ug/L		81	41 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 580-442255/5

Matrix: Water

Analysis Batch: 442255

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.68		ug/L		94	69 - 127	1	22
1,1,1-Trichloroethane	5.00	4.89		ug/L		98	70 - 121	0	24
1,1,2,2-Tetrachloroethane	5.00	4.30		ug/L		86	67 - 136	7	24
1,1,2-Trichloroethane	5.00	4.43		ug/L		89	73 - 127	3	22
1,1-Dichloroethane	5.00	4.65		ug/L		93	74 - 120	5	26
1,1-Dichloroethene	5.00	4.79		ug/L		96	60 - 129	1	29
1,2,3-Trichloropropane	5.00	4.25		ug/L		85	67 - 135	5	25
1,2-Dibromo-3-Chloropropane	5.00	3.77		ug/L		75	55 - 135	3	29
1,2-Dibromoethane	5.00	4.35		ug/L		87	61 - 143	1	22
1,2-Dichlorobenzene	5.00	4.58		ug/L		92	72 - 129	3	22
1,2-Dichloroethane	5.00	4.56		ug/L		91	74 - 127	1	21
1,2-Dichloropropane	5.00	4.80		ug/L		96	69 - 130	1	22
1,4-Dichlorobenzene	5.00	4.68		ug/L		94	71 - 129	0	22
2-Butanone	25.0	20.6		ug/L		82	37 - 150	6	35
2-Hexanone	25.0	19.7		ug/L		79	56 - 150	1	29
4-Methyl-2-pentanone	25.0	19.8		ug/L		79	63 - 137	4	26
Acetone	25.0	20.3		ug/L		81	49 - 150	4	24
Acrylonitrile	50.0	43.4		ug/L		87	50 - 145	1	33
Benzene	5.00	4.88		ug/L		98	80 - 120	2	22
Bromochloromethane	5.00	4.96		ug/L		99	79 - 121	3	20
Bromodichloromethane	5.00	4.83		ug/L		97	74 - 131	1	21
Bromoform	5.00	4.32		ug/L		86	48 - 127	1	23
Bromomethane	5.00	4.49		ug/L		90	51 - 148	3	35
Carbon disulfide	5.00	4.75		ug/L		95	54 - 142	2	34
Carbon tetrachloride	5.00	5.02		ug/L		100	66 - 130	0	24
Chlorobenzene	5.00	4.76		ug/L		95	74 - 123	1	21
Chloroethane	5.00	4.00		ug/L		80	54 - 140	7	33

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-442255/5

Matrix: Water

Analysis Batch: 442255

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform	5.00	4.94		ug/L		99	75 - 120	0	21
Chloromethane	5.00	4.21		ug/L		84	32 - 150	1	33
cis-1,2-Dichloroethene	5.00	4.83		ug/L		97	72 - 120	0	22
cis-1,3-Dichloropropene	5.00	4.41		ug/L		88	77 - 131	2	24
Dibromochloromethane	5.00	4.40		ug/L		88	62 - 141	1	22
Dibromomethane	5.00	4.66		ug/L		93	65 - 141	4	22
Ethylbenzene	5.00	4.72		ug/L		94	80 - 124	0	22
m,p-Xylene	5.00	4.63		ug/L		93	75 - 124	1	22
Methyl iodide	5.00	4.57		ug/L		91	60 - 128	6	39
o-Xylene	5.00	4.64		ug/L		93	71 - 124	2	23
Styrene	5.00	4.70		ug/L		94	74 - 127	1	22
Tetrachloroethene	5.00	4.75		ug/L		95	75 - 124	2	20
Toluene	5.00	4.60		ug/L		92	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	4.87		ug/L		97	69 - 121	2	27
trans-1,3-Dichloropropene	5.00	4.42		ug/L		88	71 - 138	0	26
trans-1,4-Dichloro-2-butene	5.00	3.78		ug/L		76	20 - 150	2	35
Trichloroethene	5.00	4.98		ug/L		100	72 - 120	3	22
Trichlorofluoromethane	5.00	4.19		ug/L		84	60 - 132	1	32
Vinyl acetate	12.5	11.5		ug/L		92	38 - 150	35	35
Vinyl chloride	5.00	3.92		ug/L		78	41 - 150	3	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: MB 580-442447/7

Matrix: Water

Analysis Batch: 442447

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			10/31/23 19:29	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			10/31/23 19:29	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			10/31/23 19:29	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			10/31/23 19:29	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			10/31/23 19:29	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			10/31/23 19:29	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			10/31/23 19:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			10/31/23 19:29	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			10/31/23 19:29	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			10/31/23 19:29	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			10/31/23 19:29	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			10/31/23 19:29	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			10/31/23 19:29	1
2-Butanone	ND		10	2.5	ug/L			10/31/23 19:29	1
2-Hexanone	ND		3.0	0.94	ug/L			10/31/23 19:29	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			10/31/23 19:29	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-442447/7

Matrix: Water

Analysis Batch: 442447

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.1	ug/L			10/31/23 19:29	1
Acrylonitrile	ND		10	2.0	ug/L			10/31/23 19:29	1
Benzene	ND		0.20	0.030	ug/L			10/31/23 19:29	1
Bromochloromethane	ND		0.20	0.050	ug/L			10/31/23 19:29	1
Bromodichloromethane	ND		0.20	0.060	ug/L			10/31/23 19:29	1
Bromoform	ND		0.50	0.16	ug/L			10/31/23 19:29	1
Bromomethane	ND		0.50	0.13	ug/L			10/31/23 19:29	1
Carbon disulfide	ND		0.30	0.083	ug/L			10/31/23 19:29	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			10/31/23 19:29	1
Chlorobenzene	ND		0.20	0.060	ug/L			10/31/23 19:29	1
Chloroethane	ND		0.50	0.096	ug/L			10/31/23 19:29	1
Chloroform	ND		0.20	0.030	ug/L			10/31/23 19:29	1
Chloromethane	ND		0.50	0.14	ug/L			10/31/23 19:29	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			10/31/23 19:29	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			10/31/23 19:29	1
Dibromochloromethane	ND		0.20	0.055	ug/L			10/31/23 19:29	1
Dibromomethane	ND		0.20	0.062	ug/L			10/31/23 19:29	1
Ethylbenzene	ND		0.20	0.030	ug/L			10/31/23 19:29	1
m,p-Xylene	ND		0.50	0.12	ug/L			10/31/23 19:29	1
Methyl iodide	ND		0.50	0.070	ug/L			10/31/23 19:29	1
o-Xylene	ND		0.50	0.15	ug/L			10/31/23 19:29	1
Styrene	ND		1.0	0.19	ug/L			10/31/23 19:29	1
Tetrachloroethene	ND		0.50	0.084	ug/L			10/31/23 19:29	1
Toluene	ND		0.20	0.050	ug/L			10/31/23 19:29	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			10/31/23 19:29	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			10/31/23 19:29	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			10/31/23 19:29	1
Trichloroethene	ND		0.20	0.066	ug/L			10/31/23 19:29	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			10/31/23 19:29	1
Vinyl acetate	ND		2.0	0.44	ug/L			10/31/23 19:29	1
Vinyl chloride	ND		0.10	0.040	ug/L			10/31/23 19:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		10/31/23 19:29	1
4-Bromofluorobenzene (Surr)	106		80 - 120		10/31/23 19:29	1
Dibromofluoromethane (Surr)	108		80 - 120		10/31/23 19:29	1
Toluene-d8 (Surr)	95		80 - 120		10/31/23 19:29	1

Lab Sample ID: LCS 580-442447/4

Matrix: Water

Analysis Batch: 442447

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.02		ug/L		100	69 - 127
1,1,1-Trichloroethane	5.00	4.85		ug/L		97	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.61		ug/L		112	67 - 136
1,1,2-Trichloroethane	5.00	6.24		ug/L		125	73 - 127
1,1-Dichloroethane	5.00	4.99		ug/L		100	74 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-442447/4

Matrix: Water

Analysis Batch: 442447

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	5.00	4.88		ug/L		98	60 - 129
1,2,3-Trichloropropane	5.00	7.04	*+	ug/L		141	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	6.48		ug/L		130	55 - 135
1,2-Dibromoethane	5.00	6.34		ug/L		127	61 - 143
1,2-Dichlorobenzene	5.00	5.57		ug/L		111	72 - 129
1,2-Dichloroethane	5.00	5.19		ug/L		104	74 - 127
1,2-Dichloropropane	5.00	5.04		ug/L		101	69 - 130
1,4-Dichlorobenzene	5.00	5.18		ug/L		104	71 - 129
2-Butanone	25.0	33.0		ug/L		132	37 - 150
2-Hexanone	25.0	34.9		ug/L		140	56 - 150
4-Methyl-2-pentanone	25.0	34.7	*+	ug/L		139	63 - 137
Acetone	25.0	26.1		ug/L		104	49 - 150
Acrylonitrile	50.0	55.3		ug/L		111	50 - 145
Benzene	5.00	5.23		ug/L		105	80 - 120
Bromochloromethane	5.00	5.90		ug/L		118	79 - 121
Bromodichloromethane	5.00	5.37		ug/L		107	74 - 131
Bromoform	5.00	6.03		ug/L		121	48 - 127
Bromomethane	5.00	4.92		ug/L		98	51 - 148
Carbon disulfide	5.00	5.03		ug/L		101	54 - 142
Carbon tetrachloride	5.00	4.90		ug/L		98	66 - 130
Chlorobenzene	5.00	5.27		ug/L		105	74 - 123
Chloroethane	5.00	4.86		ug/L		97	54 - 140
Chloroform	5.00	5.05		ug/L		101	75 - 120
Chloromethane	5.00	4.27		ug/L		85	32 - 150
cis-1,2-Dichloroethene	5.00	5.04		ug/L		101	72 - 120
cis-1,3-Dichloropropene	5.00	5.36		ug/L		107	77 - 131
Dibromochloromethane	5.00	5.42		ug/L		108	62 - 141
Dibromomethane	5.00	6.68		ug/L		134	65 - 141
Ethylbenzene	5.00	4.87		ug/L		97	80 - 124
m,p-Xylene	5.00	4.90		ug/L		98	75 - 124
Methyl iodide	5.00	5.12		ug/L		102	60 - 128
o-Xylene	5.00	4.93		ug/L		99	71 - 124
Styrene	5.00	5.24		ug/L		105	74 - 127
Tetrachloroethene	5.00	4.98		ug/L		100	75 - 124
Toluene	5.00	4.96		ug/L		99	80 - 126
trans-1,2-Dichloroethene	5.00	5.15		ug/L		103	69 - 121
trans-1,3-Dichloropropene	5.00	5.47		ug/L		109	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.85		ug/L		97	20 - 150
Trichloroethene	5.00	5.50		ug/L		110	72 - 120
Trichlorofluoromethane	5.00	4.92		ug/L		98	60 - 132
Vinyl acetate	12.5	14.9		ug/L		119	38 - 150
Vinyl chloride	5.00	4.61		ug/L		92	41 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-442447/5

Matrix: Water

Analysis Batch: 442447

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.21		ug/L		104	69 - 127	4	22
1,1,1-Trichloroethane	5.00	5.19		ug/L		104	70 - 121	7	24
1,1,2,2-Tetrachloroethane	5.00	5.28		ug/L		106	67 - 136	6	24
1,1,2-Trichloroethane	5.00	5.74		ug/L		115	73 - 127	8	22
1,1-Dichloroethane	5.00	5.38		ug/L		108	74 - 120	8	26
1,1-Dichloroethene	5.00	5.34		ug/L		107	60 - 129	9	29
1,2,3-Trichloropropane	5.00	5.92		ug/L		118	67 - 135	17	25
1,2-Dibromo-3-Chloropropane	5.00	6.40		ug/L		128	55 - 135	1	29
1,2-Dibromoethane	5.00	6.29		ug/L		126	61 - 143	1	22
1,2-Dichlorobenzene	5.00	5.51		ug/L		110	72 - 129	1	22
1,2-Dichloroethane	5.00	5.05		ug/L		101	74 - 127	3	21
1,2-Dichloropropane	5.00	4.77		ug/L		95	69 - 130	5	22
1,4-Dichlorobenzene	5.00	5.03		ug/L		101	71 - 129	3	22
2-Butanone	25.0	31.3		ug/L		125	37 - 150	5	35
2-Hexanone	25.0	34.5		ug/L		138	56 - 150	1	29
4-Methyl-2-pentanone	25.0	33.2		ug/L		133	63 - 137	4	26
Acetone	25.0	17.9	*1	ug/L		72	49 - 150	37	24
Acrylonitrile	50.0	45.2		ug/L		90	50 - 145	20	33
Benzene	5.00	5.21		ug/L		104	80 - 120	1	22
Bromochloromethane	5.00	5.96		ug/L		119	79 - 121	1	20
Bromodichloromethane	5.00	5.03		ug/L		101	74 - 131	7	21
Bromoform	5.00	5.99		ug/L		120	48 - 127	1	23
Bromomethane	5.00	5.12		ug/L		102	51 - 148	4	35
Carbon disulfide	5.00	5.37		ug/L		107	54 - 142	7	34
Carbon tetrachloride	5.00	5.07		ug/L		101	66 - 130	4	24
Chlorobenzene	5.00	5.06		ug/L		101	74 - 123	4	21
Chloroethane	5.00	4.97		ug/L		99	54 - 140	2	33
Chloroform	5.00	5.24		ug/L		105	75 - 120	4	21
Chloromethane	5.00	4.58		ug/L		92	32 - 150	7	33
cis-1,2-Dichloroethene	5.00	5.50		ug/L		110	72 - 120	9	22
cis-1,3-Dichloropropene	5.00	4.93		ug/L		99	77 - 131	9	24
Dibromochloromethane	5.00	5.37		ug/L		107	62 - 141	1	22
Dibromomethane	5.00	6.48		ug/L		130	65 - 141	3	22
Ethylbenzene	5.00	4.91		ug/L		98	80 - 124	1	22
m,p-Xylene	5.00	4.89		ug/L		98	75 - 124	0	22
Methyl iodide	5.00	5.62		ug/L		112	60 - 128	9	39
o-Xylene	5.00	5.01		ug/L		100	71 - 124	2	23
Styrene	5.00	5.14		ug/L		103	74 - 127	2	22
Tetrachloroethene	5.00	5.02		ug/L		100	75 - 124	1	20
Toluene	5.00	4.87		ug/L		97	80 - 126	2	20
trans-1,2-Dichloroethene	5.00	5.42		ug/L		108	69 - 121	5	27
trans-1,3-Dichloropropene	5.00	5.01		ug/L		100	71 - 138	9	26
trans-1,4-Dichloro-2-butene	5.00	4.27		ug/L		85	20 - 150	13	35
Trichloroethene	5.00	5.67		ug/L		113	72 - 120	3	22
Trichlorofluoromethane	5.00	5.11		ug/L		102	60 - 132	4	32
Vinyl acetate	12.5	11.3		ug/L		91	38 - 150	27	35
Vinyl chloride	5.00	5.05		ug/L		101	41 - 150	9	32

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-442447/5

Matrix: Water

Analysis Batch: 442447

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	107		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: MB 580-442847/7

Matrix: Water

Analysis Batch: 442847

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	1.2	ug/L			11/03/23 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					11/03/23 19:33	1
4-Bromofluorobenzene (Surr)	101		80 - 120					11/03/23 19:33	1
Dibromofluoromethane (Surr)	100		80 - 120					11/03/23 19:33	1
Toluene-d8 (Surr)	100		80 - 120					11/03/23 19:33	1

Lab Sample ID: LCS 580-442847/4

Matrix: Water

Analysis Batch: 442847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methylene Chloride		5.00	4.53	J	ug/L		91	40 - 142	
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	98		80 - 120						
4-Bromofluorobenzene (Surr)	100		80 - 120						
Dibromofluoromethane (Surr)	101		80 - 120						
Toluene-d8 (Surr)	99		80 - 120						

Lab Sample ID: LCSD 580-442847/5

Matrix: Water

Analysis Batch: 442847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methylene Chloride		5.00	4.64	J	ug/L		93	40 - 142	2	25
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)	98		80 - 120							
4-Bromofluorobenzene (Surr)	101		80 - 120							
Dibromofluoromethane (Surr)	100		80 - 120							
Toluene-d8 (Surr)	99		80 - 120							

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-442994/7

Matrix: Water

Analysis Batch: 442994

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/06/23 16:37	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/06/23 16:37	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/06/23 16:37	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/06/23 16:37	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/06/23 16:37	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/06/23 16:37	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/06/23 16:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/06/23 16:37	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/06/23 16:37	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/06/23 16:37	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/06/23 16:37	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/06/23 16:37	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/06/23 16:37	1
2-Butanone	ND		10	2.5	ug/L			11/06/23 16:37	1
2-Hexanone	ND		3.0	0.94	ug/L			11/06/23 16:37	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/06/23 16:37	1
Acetone	ND		10	3.1	ug/L			11/06/23 16:37	1
Acrylonitrile	ND		10	2.0	ug/L			11/06/23 16:37	1
Benzene	ND		0.20	0.030	ug/L			11/06/23 16:37	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/06/23 16:37	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/06/23 16:37	1
Bromoform	ND		0.50	0.16	ug/L			11/06/23 16:37	1
Bromomethane	ND		0.50	0.13	ug/L			11/06/23 16:37	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/06/23 16:37	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/06/23 16:37	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/06/23 16:37	1
Chloroethane	ND		0.50	0.096	ug/L			11/06/23 16:37	1
Chloroform	ND		0.20	0.030	ug/L			11/06/23 16:37	1
Chloromethane	ND		0.50	0.14	ug/L			11/06/23 16:37	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/06/23 16:37	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/06/23 16:37	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/06/23 16:37	1
Dibromomethane	ND		0.20	0.062	ug/L			11/06/23 16:37	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/06/23 16:37	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/06/23 16:37	1
Methyl iodide	ND		0.50	0.070	ug/L			11/06/23 16:37	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/06/23 16:37	1
o-Xylene	ND		0.50	0.15	ug/L			11/06/23 16:37	1
Styrene	ND		1.0	0.19	ug/L			11/06/23 16:37	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/06/23 16:37	1
Toluene	ND		0.20	0.050	ug/L			11/06/23 16:37	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/06/23 16:37	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/06/23 16:37	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/06/23 16:37	1
Trichloroethene	ND		0.20	0.066	ug/L			11/06/23 16:37	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/06/23 16:37	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/06/23 16:37	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/06/23 16:37	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-442994/7

Matrix: Water

Analysis Batch: 442994

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		11/06/23 16:37	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/06/23 16:37	1
Dibromofluoromethane (Surr)	100		80 - 120		11/06/23 16:37	1
Toluene-d8 (Surr)	100		80 - 120		11/06/23 16:37	1

Lab Sample ID: LCS 580-442994/4

Matrix: Water

Analysis Batch: 442994

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.83		ug/L		97	69 - 127
1,1,1-Trichloroethane	5.00	4.64		ug/L		93	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.58		ug/L		92	67 - 136
1,1,2-Trichloroethane	5.00	4.66		ug/L		93	73 - 127
1,1-Dichloroethane	5.00	4.54		ug/L		91	74 - 120
1,1-Dichloroethene	5.00	4.70		ug/L		94	60 - 129
1,2,3-Trichloropropane	5.00	4.54		ug/L		91	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.20		ug/L		84	55 - 135
1,2-Dibromoethane	5.00	4.43		ug/L		89	61 - 143
1,2-Dichlorobenzene	5.00	4.72		ug/L		94	72 - 129
1,2-Dichloroethane	5.00	4.39		ug/L		88	74 - 127
1,2-Dichloropropane	5.00	4.58		ug/L		92	69 - 130
1,4-Dichlorobenzene	5.00	4.71		ug/L		94	71 - 129
2-Butanone	25.0	23.8		ug/L		95	37 - 150
2-Hexanone	25.0	22.9		ug/L		91	56 - 150
4-Methyl-2-pentanone	25.0	22.6		ug/L		90	63 - 137
Acetone	25.0	21.8		ug/L		87	49 - 150
Acrylonitrile	50.0	45.7		ug/L		91	50 - 145
Benzene	5.00	4.65		ug/L		93	80 - 120
Bromochloromethane	5.00	4.66		ug/L		93	79 - 121
Bromodichloromethane	5.00	4.74		ug/L		95	74 - 131
Bromoform	5.00	4.57		ug/L		91	48 - 127
Bromomethane	5.00	3.61		ug/L		72	51 - 148
Carbon disulfide	5.00	4.73		ug/L		95	54 - 142
Carbon tetrachloride	5.00	4.87		ug/L		97	66 - 130
Chlorobenzene	5.00	4.70		ug/L		94	74 - 123
Chloroethane	5.00	4.58		ug/L		92	54 - 140
Chloroform	5.00	4.75		ug/L		95	75 - 120
Chloromethane	5.00	3.58		ug/L		72	32 - 150
cis-1,2-Dichloroethene	5.00	4.73		ug/L		95	72 - 120
cis-1,3-Dichloropropene	5.00	4.76		ug/L		95	77 - 131
Dibromochloromethane	5.00	4.72		ug/L		94	62 - 141
Dibromomethane	5.00	4.71		ug/L		94	65 - 141
Ethylbenzene	5.00	4.78		ug/L		96	80 - 124
m,p-Xylene	5.00	4.68		ug/L		94	75 - 124
Methyl iodide	5.00	4.40		ug/L		88	60 - 128
Methylene Chloride	5.00	4.76	J	ug/L		95	40 - 142
o-Xylene	5.00	4.61		ug/L		92	71 - 124

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-442994/4

Matrix: Water

Analysis Batch: 442994

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	5.00	4.74		ug/L		95	74 - 127
Tetrachloroethene	5.00	4.60		ug/L		92	75 - 124
Toluene	5.00	4.63		ug/L		93	80 - 126
trans-1,2-Dichloroethene	5.00	4.66		ug/L		93	69 - 121
trans-1,3-Dichloropropene	5.00	4.70		ug/L		94	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.36		ug/L		87	20 - 150
Trichloroethene	5.00	4.70		ug/L		94	72 - 120
Trichlorofluoromethane	5.00	4.09		ug/L		82	60 - 132
Vinyl acetate	12.5	12.3		ug/L		99	38 - 150
Vinyl chloride	5.00	3.57		ug/L		71	41 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 580-442994/5

Matrix: Water

Analysis Batch: 442994

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.76		ug/L		95	69 - 127	1	22
1,1,1-Trichloroethane	5.00	4.59		ug/L		92	70 - 121	1	24
1,1,2,2-Tetrachloroethane	5.00	4.61		ug/L		92	67 - 136	1	24
1,1,2-Trichloroethane	5.00	4.65		ug/L		93	73 - 127	0	22
1,1-Dichloroethane	5.00	4.47		ug/L		89	74 - 120	2	26
1,1-Dichloroethene	5.00	4.69		ug/L		94	60 - 129	0	29
1,2,3-Trichloropropane	5.00	4.43		ug/L		89	67 - 135	2	25
1,2-Dibromo-3-Chloropropane	5.00	4.16		ug/L		83	55 - 135	1	29
1,2-Dibromoethane	5.00	4.52		ug/L		90	61 - 143	2	22
1,2-Dichlorobenzene	5.00	4.67		ug/L		93	72 - 129	1	22
1,2-Dichloroethane	5.00	4.38		ug/L		88	74 - 127	0	21
1,2-Dichloropropane	5.00	4.61		ug/L		92	69 - 130	1	22
1,4-Dichlorobenzene	5.00	4.65		ug/L		93	71 - 129	1	22
2-Butanone	25.0	24.8		ug/L		99	37 - 150	4	35
2-Hexanone	25.0	23.2		ug/L		93	56 - 150	1	29
4-Methyl-2-pentanone	25.0	22.6		ug/L		90	63 - 137	0	26
Acetone	25.0	23.2		ug/L		93	49 - 150	6	24
Acrylonitrile	50.0	45.8		ug/L		92	50 - 145	0	33
Benzene	5.00	4.67		ug/L		93	80 - 120	0	22
Bromochloromethane	5.00	4.61		ug/L		92	79 - 121	1	20
Bromodichloromethane	5.00	4.72		ug/L		94	74 - 131	0	21
Bromoform	5.00	4.68		ug/L		94	48 - 127	2	23
Bromomethane	5.00	3.52		ug/L		70	51 - 148	3	35
Carbon disulfide	5.00	4.68		ug/L		94	54 - 142	1	34
Carbon tetrachloride	5.00	4.72		ug/L		94	66 - 130	3	24
Chlorobenzene	5.00	4.58		ug/L		92	74 - 123	3	21

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-442994/5

Matrix: Water

Analysis Batch: 442994

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroethane	5.00	4.18		ug/L		84	54 - 140	9	33
Chloroform	5.00	4.78		ug/L		96	75 - 120	1	21
Chloromethane	5.00	3.49		ug/L		70	32 - 150	3	33
cis-1,2-Dichloroethene	5.00	4.85		ug/L		97	72 - 120	3	22
cis-1,3-Dichloropropene	5.00	4.60		ug/L		92	77 - 131	4	24
Dibromochloromethane	5.00	4.67		ug/L		93	62 - 141	1	22
Dibromomethane	5.00	4.74		ug/L		95	65 - 141	1	22
Ethylbenzene	5.00	4.68		ug/L		94	80 - 124	2	22
m,p-Xylene	5.00	4.57		ug/L		91	75 - 124	2	22
Methyl iodide	5.00	4.35		ug/L		87	60 - 128	1	39
Methylene Chloride	5.00	4.72	J	ug/L		94	40 - 142	1	25
o-Xylene	5.00	4.56		ug/L		91	71 - 124	1	23
Styrene	5.00	4.66		ug/L		93	74 - 127	2	22
Tetrachloroethene	5.00	4.46		ug/L		89	75 - 124	3	20
Toluene	5.00	4.57		ug/L		91	80 - 126	1	20
trans-1,2-Dichloroethene	5.00	4.61		ug/L		92	69 - 121	1	27
trans-1,3-Dichloropropene	5.00	4.65		ug/L		93	71 - 138	1	26
trans-1,4-Dichloro-2-butene	5.00	4.32		ug/L		86	20 - 150	1	35
Trichloroethene	5.00	4.87		ug/L		97	72 - 120	3	22
Trichlorofluoromethane	5.00	4.24		ug/L		85	60 - 132	4	32
Vinyl acetate	12.5	11.5		ug/L		92	38 - 150	7	35
Vinyl chloride	5.00	3.77		ug/L		75	41 - 150	5	32

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 580-442999/7

Matrix: Water

Analysis Batch: 442999

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.30	0.038	ug/L			11/07/23 02:03	1
1,1,1-Trichloroethane	ND		0.20	0.025	ug/L			11/07/23 02:03	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.056	ug/L			11/07/23 02:03	1
1,1,2-Trichloroethane	ND		0.20	0.070	ug/L			11/07/23 02:03	1
1,1-Dichloroethane	ND		0.20	0.025	ug/L			11/07/23 02:03	1
1,1-Dichloroethene	ND		0.20	0.035	ug/L			11/07/23 02:03	1
1,2,3-Trichloropropane	ND		0.20	0.050	ug/L			11/07/23 02:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.17	ug/L			11/07/23 02:03	1
1,2-Dibromoethane	ND		0.10	0.025	ug/L			11/07/23 02:03	1
1,2-Dichlorobenzene	ND		0.30	0.038	ug/L			11/07/23 02:03	1
1,2-Dichloroethane	ND		0.20	0.043	ug/L			11/07/23 02:03	1
1,2-Dichloropropane	ND		0.20	0.060	ug/L			11/07/23 02:03	1
1,4-Dichlorobenzene	ND		0.30	0.050	ug/L			11/07/23 02:03	1
2-Butanone	ND		10	2.5	ug/L			11/07/23 02:03	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-442999/7

Matrix: Water

Analysis Batch: 442999

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		3.0	0.94	ug/L			11/07/23 02:03	1
4-Methyl-2-pentanone	ND		10	1.7	ug/L			11/07/23 02:03	1
Acetone	ND		10	3.1	ug/L			11/07/23 02:03	1
Acrylonitrile	ND		10	2.0	ug/L			11/07/23 02:03	1
Benzene	ND		0.20	0.030	ug/L			11/07/23 02:03	1
Bromochloromethane	ND		0.20	0.050	ug/L			11/07/23 02:03	1
Bromodichloromethane	ND		0.20	0.060	ug/L			11/07/23 02:03	1
Bromoform	ND		0.50	0.16	ug/L			11/07/23 02:03	1
Bromomethane	ND		0.50	0.13	ug/L			11/07/23 02:03	1
Carbon disulfide	ND		0.30	0.083	ug/L			11/07/23 02:03	1
Carbon tetrachloride	ND		0.20	0.025	ug/L			11/07/23 02:03	1
Chlorobenzene	ND		0.20	0.060	ug/L			11/07/23 02:03	1
Chloroethane	ND		0.50	0.096	ug/L			11/07/23 02:03	1
Chloroform	ND		0.20	0.030	ug/L			11/07/23 02:03	1
Chloromethane	ND		0.50	0.14	ug/L			11/07/23 02:03	1
cis-1,2-Dichloroethene	ND		0.20	0.055	ug/L			11/07/23 02:03	1
cis-1,3-Dichloropropene	ND		0.20	0.090	ug/L			11/07/23 02:03	1
Dibromochloromethane	ND		0.20	0.055	ug/L			11/07/23 02:03	1
Dibromomethane	ND		0.20	0.062	ug/L			11/07/23 02:03	1
Ethylbenzene	ND		0.20	0.030	ug/L			11/07/23 02:03	1
m,p-Xylene	ND		0.50	0.12	ug/L			11/07/23 02:03	1
Methyl iodide	ND		0.50	0.070	ug/L			11/07/23 02:03	1
Methylene Chloride	ND		5.0	1.2	ug/L			11/07/23 02:03	1
o-Xylene	ND		0.50	0.15	ug/L			11/07/23 02:03	1
Styrene	ND		1.0	0.19	ug/L			11/07/23 02:03	1
Tetrachloroethene	ND		0.50	0.084	ug/L			11/07/23 02:03	1
Toluene	ND		0.20	0.050	ug/L			11/07/23 02:03	1
trans-1,2-Dichloroethene	ND		0.20	0.033	ug/L			11/07/23 02:03	1
trans-1,3-Dichloropropene	ND		0.20	0.092	ug/L			11/07/23 02:03	1
trans-1,4-Dichloro-2-butene	ND		2.0	0.49	ug/L			11/07/23 02:03	1
Trichloroethene	ND		0.20	0.066	ug/L			11/07/23 02:03	1
Trichlorofluoromethane	ND		0.50	0.12	ug/L			11/07/23 02:03	1
Vinyl acetate	ND		2.0	0.44	ug/L			11/07/23 02:03	1
Vinyl chloride	ND		0.10	0.040	ug/L			11/07/23 02:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		11/07/23 02:03	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/07/23 02:03	1
Dibromofluoromethane (Surr)	99		80 - 120		11/07/23 02:03	1
Toluene-d8 (Surr)	101		80 - 120		11/07/23 02:03	1

Lab Sample ID: LCS 580-442999/4

Matrix: Water

Analysis Batch: 442999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.99		ug/L		100	69 - 127
1,1,1-Trichloroethane	5.00	4.73		ug/L		95	70 - 121

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-442999/4

Matrix: Water

Analysis Batch: 442999

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	5.00	4.74		ug/L		95	67 - 136
1,1,2-Trichloroethane	5.00	4.93		ug/L		99	73 - 127
1,1-Dichloroethane	5.00	4.95		ug/L		99	74 - 120
1,1-Dichloroethene	5.00	4.90		ug/L		98	60 - 129
1,2,3-Trichloropropane	5.00	4.98		ug/L		100	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.61		ug/L		92	55 - 135
1,2-Dibromoethane	5.00	4.68		ug/L		94	61 - 143
1,2-Dichlorobenzene	5.00	4.91		ug/L		98	72 - 129
1,2-Dichloroethane	5.00	4.63		ug/L		93	74 - 127
1,2-Dichloropropane	5.00	4.88		ug/L		98	69 - 130
1,4-Dichlorobenzene	5.00	4.84		ug/L		97	71 - 129
2-Butanone	25.0	25.6		ug/L		102	37 - 150
2-Hexanone	25.0	23.5		ug/L		94	56 - 150
4-Methyl-2-pentanone	25.0	23.7		ug/L		95	63 - 137
Acetone	25.0	22.0		ug/L		88	49 - 150
Acrylonitrile	50.0	48.4		ug/L		97	50 - 145
Benzene	5.00	4.79		ug/L		96	80 - 120
Bromochloromethane	5.00	4.61		ug/L		92	79 - 121
Bromodichloromethane	5.00	4.79		ug/L		96	74 - 131
Bromoform	5.00	4.66		ug/L		93	48 - 127
Bromomethane	5.00	4.64		ug/L		93	51 - 148
Carbon disulfide	5.00	4.81		ug/L		96	54 - 142
Carbon tetrachloride	5.00	4.80		ug/L		96	66 - 130
Chlorobenzene	5.00	4.76		ug/L		95	74 - 123
Chloroethane	5.00	5.49		ug/L		110	54 - 140
Chloroform	5.00	4.81		ug/L		96	75 - 120
Chloromethane	5.00	5.18		ug/L		104	32 - 150
cis-1,2-Dichloroethene	5.00	4.86		ug/L		97	72 - 120
cis-1,3-Dichloropropene	5.00	4.39		ug/L		88	77 - 131
Dibromochloromethane	5.00	4.89		ug/L		98	62 - 141
Dibromomethane	5.00	4.97		ug/L		99	65 - 141
Ethylbenzene	5.00	4.81		ug/L		96	80 - 124
m,p-Xylene	5.00	4.73		ug/L		95	75 - 124
Methyl iodide	5.00	5.06		ug/L		101	60 - 128
Methylene Chloride	5.00	4.92	J	ug/L		98	40 - 142
o-Xylene	5.00	4.65		ug/L		93	71 - 124
Styrene	5.00	4.82		ug/L		96	74 - 127
Tetrachloroethene	5.00	4.65		ug/L		93	75 - 124
Toluene	5.00	4.66		ug/L		93	80 - 126
trans-1,2-Dichloroethene	5.00	4.62		ug/L		92	69 - 121
trans-1,3-Dichloropropene	5.00	4.70		ug/L		94	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.48		ug/L		90	20 - 150
Trichloroethene	5.00	5.02		ug/L		100	72 - 120
Trichlorofluoromethane	5.00	5.03		ug/L		101	60 - 132
Vinyl acetate	12.5	10.2		ug/L		81	38 - 150
Vinyl chloride	5.00	5.42		ug/L		108	41 - 150

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-442999/4

Matrix: Water

Analysis Batch: 442999

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 580-442999/5

Matrix: Water

Analysis Batch: 442999

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.86		ug/L		97	69 - 127	3	22
1,1,1-Trichloroethane	5.00	4.67		ug/L		93	70 - 121	1	24
1,1,2,2-Tetrachloroethane	5.00	4.76		ug/L		95	67 - 136	0	24
1,1,2-Trichloroethane	5.00	4.97		ug/L		99	73 - 127	1	22
1,1-Dichloroethane	5.00	4.64		ug/L		93	74 - 120	7	26
1,1-Dichloroethene	5.00	4.99		ug/L		100	60 - 129	2	29
1,2,3-Trichloropropane	5.00	4.69		ug/L		94	67 - 135	6	25
1,2-Dibromo-3-Chloropropane	5.00	4.46		ug/L		89	55 - 135	3	29
1,2-Dibromoethane	5.00	4.56		ug/L		91	61 - 143	3	22
1,2-Dichlorobenzene	5.00	4.68		ug/L		94	72 - 129	5	22
1,2-Dichloroethane	5.00	4.51		ug/L		90	74 - 127	3	21
1,2-Dichloropropane	5.00	4.85		ug/L		97	69 - 130	1	22
1,4-Dichlorobenzene	5.00	4.61		ug/L		92	71 - 129	5	22
2-Butanone	25.0	24.6		ug/L		98	37 - 150	4	35
2-Hexanone	25.0	23.8		ug/L		95	56 - 150	1	29
4-Methyl-2-pentanone	25.0	23.9		ug/L		95	63 - 137	1	26
Acetone	25.0	20.7		ug/L		83	49 - 150	6	24
Acrylonitrile	50.0	48.9		ug/L		98	50 - 145	1	33
Benzene	5.00	4.74		ug/L		95	80 - 120	1	22
Bromochloromethane	5.00	4.67		ug/L		93	79 - 121	1	20
Bromodichloromethane	5.00	4.69		ug/L		94	74 - 131	2	21
Bromoform	5.00	4.57		ug/L		91	48 - 127	2	23
Bromomethane	5.00	4.59		ug/L		92	51 - 148	1	35
Carbon disulfide	5.00	4.79		ug/L		96	54 - 142	0	34
Carbon tetrachloride	5.00	4.85		ug/L		97	66 - 130	1	24
Chlorobenzene	5.00	4.59		ug/L		92	74 - 123	4	21
Chloroethane	5.00	5.27		ug/L		105	54 - 140	4	33
Chloroform	5.00	4.74		ug/L		95	75 - 120	1	21
Chloromethane	5.00	5.01		ug/L		100	32 - 150	3	33
cis-1,2-Dichloroethene	5.00	4.83		ug/L		97	72 - 120	1	22
cis-1,3-Dichloropropene	5.00	4.29		ug/L		86	77 - 131	2	24
Dibromochloromethane	5.00	4.67		ug/L		93	62 - 141	5	22
Dibromomethane	5.00	4.94		ug/L		99	65 - 141	1	22
Ethylbenzene	5.00	4.67		ug/L		93	80 - 124	3	22
m,p-Xylene	5.00	4.59		ug/L		92	75 - 124	3	22
Methyl iodide	5.00	5.18		ug/L		104	60 - 128	2	39
Methylene Chloride	5.00	4.63	J	ug/L		93	40 - 142	6	25
o-Xylene	5.00	4.51		ug/L		90	71 - 124	3	23

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-442999/5

Matrix: Water

Analysis Batch: 442999

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Styrene	5.00	4.65		ug/L		93	74 - 127	4	22
Tetrachloroethene	5.00	4.47		ug/L		89	75 - 124	4	20
Toluene	5.00	4.53		ug/L		91	80 - 126	3	20
trans-1,2-Dichloroethene	5.00	4.62		ug/L		92	69 - 121	0	27
trans-1,3-Dichloropropene	5.00	4.72		ug/L		94	71 - 138	0	26
trans-1,4-Dichloro-2-butene	5.00	4.36		ug/L		87	20 - 150	3	35
Trichloroethene	5.00	4.88		ug/L		98	72 - 120	3	22
Trichlorofluoromethane	5.00	5.13		ug/L		103	60 - 132	2	32
Vinyl acetate	12.5	13.1		ug/L		105	38 - 150	25	35
Vinyl chloride	5.00	5.13		ug/L		103	41 - 150	5	32

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 580-443095/7

Matrix: Water

Analysis Batch: 443095

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.10	0.040	ug/L			11/07/23 12:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		11/07/23 12:41	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/07/23 12:41	1
Dibromofluoromethane (Surr)	100		80 - 120		11/07/23 12:41	1
Toluene-d8 (Surr)	99		80 - 120		11/07/23 12:41	1

Lab Sample ID: LCS 580-443095/4

Matrix: Water

Analysis Batch: 443095

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.00	4.30		ug/L		86	41 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	98		80 - 120

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-443095/5

Matrix: Water

Analysis Batch: 443095

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	4.32		ug/L		86	41 - 150	0	32
Surrogate	%Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	98		80 - 120						
4-Bromofluorobenzene (Surr)	102		80 - 120						
Dibromofluoromethane (Surr)	100		80 - 120						
Toluene-d8 (Surr)	99		80 - 120						

Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-442739/7

Matrix: Water

Analysis Batch: 442739

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/02/23 18:21	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120					11/02/23 18:21	1
1,2-Dichloroethane-d4 (Surr)	116		68 - 120					11/02/23 18:21	1
4-Bromofluorobenzene (Surr)	101		80 - 125					11/02/23 18:21	1
Dibromofluoromethane (Surr)	103		80 - 120					11/02/23 18:21	1

Lab Sample ID: LCS 580-442739/4

Matrix: Water

Analysis Batch: 442739

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Vinyl chloride	5.00	3.98		ug/L		80	68 - 150		
Surrogate	%Recovery	LCS Qualifier	Limits						
Toluene-d8 (Surr)	96		80 - 120						
1,2-Dichloroethane-d4 (Surr)	106		68 - 120						
4-Bromofluorobenzene (Surr)	104		80 - 125						
Dibromofluoromethane (Surr)	99		80 - 120						

Lab Sample ID: LCSD 580-442739/5

Matrix: Water

Analysis Batch: 442739

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	3.67		ug/L		73	68 - 150	8	21
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	95		80 - 120						
1,2-Dichloroethane-d4 (Surr)	107		68 - 120						
4-Bromofluorobenzene (Surr)	103		80 - 125						

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-442739/5

Matrix: Water

Analysis Batch: 442739

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	100		80 - 120

Lab Sample ID: MB 580-442851/7

Matrix: Water

Analysis Batch: 442851

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/03/23 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120					11/03/23 19:48	1
1,2-Dichloroethane-d4 (Surr)	115		68 - 120					11/03/23 19:48	1
4-Bromofluorobenzene (Surr)	102		80 - 125					11/03/23 19:48	1
Dibromofluoromethane (Surr)	106		80 - 120					11/03/23 19:48	1

Lab Sample ID: LCS 580-442851/4

Matrix: Water

Analysis Batch: 442851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Vinyl chloride		5.00	4.46		ug/L		89	68 - 150	
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	96		80 - 120						
1,2-Dichloroethane-d4 (Surr)	104		68 - 120						
4-Bromofluorobenzene (Surr)	102		80 - 125						
Dibromofluoromethane (Surr)	102		80 - 120						

Lab Sample ID: LCSD 580-442851/5

Matrix: Water

Analysis Batch: 442851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

		Spike	LCSD	LCSD				%Rec	RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Vinyl chloride		5.00	4.19		ug/L		84	68 - 150	6	21
Surrogate	%Recovery	Qualifier	Limits							
Toluene-d8 (Surr)	95		80 - 120							
1,2-Dichloroethane-d4 (Surr)	107		68 - 120							
4-Bromofluorobenzene (Surr)	104		80 - 125							
Dibromofluoromethane (Surr)	103		80 - 120							

Lab Sample ID: MB 580-443011/10

Matrix: Water

Analysis Batch: 443011

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/06/23 18:18	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-443011/10

Matrix: Water

Analysis Batch: 443011

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		11/06/23 18:18	1
1,2-Dichloroethane-d4 (Surr)	111		68 - 120		11/06/23 18:18	1
4-Bromofluorobenzene (Surr)	98		80 - 125		11/06/23 18:18	1
Dibromofluoromethane (Surr)	108		80 - 120		11/06/23 18:18	1

Lab Sample ID: LCS 580-443011/7

Matrix: Water

Analysis Batch: 443011

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.00	5.52		ug/L		110	68 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		68 - 120
4-Bromofluorobenzene (Surr)	101		80 - 125
Dibromofluoromethane (Surr)	99		80 - 120

Lab Sample ID: LCSD 580-443011/8

Matrix: Water

Analysis Batch: 443011

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	5.06		ug/L		101	68 - 150	9	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	104		68 - 120
4-Bromofluorobenzene (Surr)	101		80 - 125
Dibromofluoromethane (Surr)	100		80 - 120

Lab Sample ID: MB 580-443145/7

Matrix: Water

Analysis Batch: 443145

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020	0.0030	ug/L			11/07/23 17:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		11/07/23 17:56	1
1,2-Dichloroethane-d4 (Surr)	113		68 - 120		11/07/23 17:56	1
4-Bromofluorobenzene (Surr)	107		80 - 125		11/07/23 17:56	1
Dibromofluoromethane (Surr)	98		80 - 120		11/07/23 17:56	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-443145/4

Matrix: Water

Analysis Batch: 443145

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.00	4.19		ug/L		84	68 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	94		80 - 120				
1,2-Dichloroethane-d4 (Surr)	111		68 - 120				
4-Bromofluorobenzene (Surr)	106		80 - 125				
Dibromofluoromethane (Surr)	101		80 - 120				

Lab Sample ID: LCSD 580-443145/5

Matrix: Water

Analysis Batch: 443145

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	4.54		ug/L		91	68 - 150	8	21
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	94		80 - 120						
1,2-Dichloroethane-d4 (Surr)	111		68 - 120						
4-Bromofluorobenzene (Surr)	104		80 - 125						
Dibromofluoromethane (Surr)	103		80 - 120						

Lab Sample ID: MB 580-443276/7

Matrix: Water

Analysis Batch: 443276

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Vinyl chloride	ND		0.020	0.0030	ug/L			11/08/23 16:21	1
Surrogate	MB	MB	Limits						
	%Recovery	Qualifier			Prepared	Analyzed	Dil Fac		
Toluene-d8 (Surr)	93		80 - 120		11/08/23 16:21		1		
1,2-Dichloroethane-d4 (Surr)	117		68 - 120		11/08/23 16:21		1		
4-Bromofluorobenzene (Surr)	101		80 - 125		11/08/23 16:21		1		
Dibromofluoromethane (Surr)	105		80 - 120		11/08/23 16:21		1		

Lab Sample ID: LCS 580-443276/4

Matrix: Water

Analysis Batch: 443276

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	5.00	4.27		ug/L		85	68 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	94		80 - 120				
1,2-Dichloroethane-d4 (Surr)	108		68 - 120				
4-Bromofluorobenzene (Surr)	102		80 - 125				
Dibromofluoromethane (Surr)	103		80 - 120				

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 8260D SIM - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-443276/5

Matrix: Water

Analysis Batch: 443276

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl chloride	5.00	4.76		ug/L		95	68 - 150	11	21
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	94		80 - 120						
1,2-Dichloroethane-d4 (Surr)	108		68 - 120						
4-Bromofluorobenzene (Surr)	102		80 - 125						
Dibromofluoromethane (Surr)	106		80 - 120						

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-442358/24-A

Matrix: Water

Analysis Batch: 442548

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 442358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.077	mg/L		10/30/23 15:52	10/31/23 13:11	1
Iron	ND		0.30	0.061	mg/L		10/30/23 15:52	10/31/23 13:11	1
Magnesium	0.0477	J	0.50	0.047	mg/L		10/30/23 15:52	10/31/23 13:11	1
Manganese	ND		0.020	0.0017	mg/L		10/30/23 15:52	10/31/23 13:11	1
Potassium	ND		3.3	0.17	mg/L		10/30/23 15:52	10/31/23 13:11	1
Sodium	ND		0.50	0.33	mg/L		10/30/23 15:52	10/31/23 13:11	1

Lab Sample ID: LCS 580-442358/25-A

Matrix: Water

Analysis Batch: 442548

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 442358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	20.0	19.8		mg/L		99	80 - 120		
Iron	20.0	19.9		mg/L		99	80 - 120		
Magnesium	20.0	21.3		mg/L		107	80 - 120		
Manganese	1.00	1.00		mg/L		100	80 - 120		
Potassium	20.0	19.9		mg/L		100	80 - 120		
Sodium	20.0	20.0		mg/L		100	80 - 120		

Lab Sample ID: LCSD 580-442358/26-A

Matrix: Water

Analysis Batch: 442548

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 442358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	20.4		mg/L		102	80 - 120	3	20
Iron	20.0	20.4		mg/L		102	80 - 120	3	20
Magnesium	20.0	21.5		mg/L		107	80 - 120	1	20
Manganese	1.00	1.02		mg/L		102	80 - 120	2	20
Potassium	20.0	19.8		mg/L		99	80 - 120	1	20
Sodium	20.0	20.2		mg/L		101	80 - 120	1	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 580-442478/17-A

Matrix: Water

Analysis Batch: 442671

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 442478

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.077	mg/L		10/31/23 15:17	11/01/23 17:46	1
Iron	0.168	J	0.30	0.061	mg/L		10/31/23 15:17	11/01/23 17:46	1
Magnesium	ND		0.50	0.047	mg/L		10/31/23 15:17	11/01/23 17:46	1
Manganese	ND		0.020	0.0017	mg/L		10/31/23 15:17	11/01/23 17:46	1
Potassium	ND		3.3	0.17	mg/L		10/31/23 15:17	11/01/23 17:46	1
Sodium	ND		0.50	0.33	mg/L		10/31/23 15:17	11/01/23 17:46	1

Lab Sample ID: LCS 580-442478/18-A

Matrix: Water

Analysis Batch: 442671

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 442478

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	19.9		mg/L		99	80 - 120
Iron	20.0	19.6		mg/L		98	80 - 120
Magnesium	20.0	20.7		mg/L		104	80 - 120
Manganese	1.00	0.979		mg/L		98	80 - 120
Potassium	20.0	20.2		mg/L		101	80 - 120
Sodium	20.0	20.3		mg/L		102	80 - 120

Lab Sample ID: LCSD 580-442478/19-A

Matrix: Water

Analysis Batch: 442671

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 442478

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	19.7		mg/L		98	80 - 120	1	20
Iron	20.0	19.4		mg/L		97	80 - 120	1	20
Magnesium	20.0	20.7		mg/L		103	80 - 120	0	20
Manganese	1.00	0.965		mg/L		96	80 - 120	1	20
Potassium	20.0	20.0		mg/L		100	80 - 120	1	20
Sodium	20.0	20.2		mg/L		101	80 - 120	1	20

Lab Sample ID: 580-133193-6 MS

Matrix: Water

Analysis Batch: 442548

Client Sample ID: 1024-07

Prep Type: Dissolved

Prep Batch: 442358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	150		20.0	167	4	mg/L		68	80 - 120
Iron	ND		20.0	19.9		mg/L		99	80 - 120
Magnesium	60	B	20.0	77.9		mg/L		91	80 - 120
Manganese	ND		1.00	0.989		mg/L		99	80 - 120
Potassium	6.5		20.0	26.0		mg/L		97	80 - 120
Sodium	30		20.0	49.5		mg/L		95	80 - 120

Lab Sample ID: 580-133193-6 MSD

Matrix: Water

Analysis Batch: 442548

Client Sample ID: 1024-07

Prep Type: Dissolved

Prep Batch: 442358

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	150		20.0	172	4	mg/L		96	80 - 120	3	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-133193-6 MSD

Matrix: Water

Analysis Batch: 442548

Client Sample ID: 1024-07

Prep Type: Dissolved

Prep Batch: 442358

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		20.0	20.4		mg/L		102	80 - 120	2	20
Magnesium	60	B	20.0	81.2		mg/L		107	80 - 120	4	20
Manganese	ND		1.00	1.02		mg/L		102	80 - 120	3	20
Potassium	6.5		20.0	27.2		mg/L		103	80 - 120	5	20
Sodium	30		20.0	51.4		mg/L		105	80 - 120	4	20

Lab Sample ID: 580-133193-16 MS

Matrix: Water

Analysis Batch: 442671

Client Sample ID: 1024-17

Prep Type: Dissolved

Prep Batch: 442478

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	100		20.0	120	4	mg/L		78	80 - 120		
Iron	ND		20.0	19.2		mg/L		96	80 - 120		
Magnesium	72		20.0	90.2		mg/L		91	80 - 120		
Manganese	0.019	J	1.00	0.961		mg/L		94	80 - 120		
Potassium	8.2		20.0	27.7		mg/L		97	80 - 120		
Sodium	41		20.0	60.0		mg/L		95	80 - 120		

Lab Sample ID: 580-133193-16 MSD

Matrix: Water

Analysis Batch: 442671

Client Sample ID: 1024-17

Prep Type: Dissolved

Prep Batch: 442478

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	100		20.0	124	4	mg/L		99	80 - 120	3	20
Iron	ND		20.0	19.8		mg/L		99	80 - 120	3	20
Magnesium	72		20.0	93.1		mg/L		105	80 - 120	3	20
Manganese	0.019	J	1.00	0.998		mg/L		98	80 - 120	4	20
Potassium	8.2		20.0	28.7		mg/L		102	80 - 120	4	20
Sodium	41		20.0	61.9		mg/L		105	80 - 120	3	20

Lab Sample ID: 580-133193-16 DU

Matrix: Water

Analysis Batch: 442671

Client Sample ID: 1024-17

Prep Type: Dissolved

Prep Batch: 442478

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	100		103		mg/L		2	20
Iron	ND		ND		mg/L		NC	20
Magnesium	72		72.7		mg/L		0.8	20
Manganese	0.019	J	0.0191	J	mg/L		1	20
Potassium	8.2		8.18		mg/L		0.8	20
Sodium	41		41.1		mg/L		0.4	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-442195/21-A

Matrix: Water

Analysis Batch: 442387

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 442195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/27/23 16:48	10/30/23 11:24	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-442195/21-A
Matrix: Water
Analysis Batch: 442387

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 442195

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010	0.00020	mg/L		10/27/23 16:48	10/30/23 11:24	1
Barium	ND		0.0012	0.00021	mg/L		10/27/23 16:48	10/30/23 11:24	1
Beryllium	ND		0.00040	0.00011	mg/L		10/27/23 16:48	10/30/23 11:24	1
Cadmium	ND		0.00040	0.000037	mg/L		10/27/23 16:48	10/30/23 11:24	1
Chromium	ND		0.00080	0.00017	mg/L		10/27/23 16:48	10/30/23 11:24	1
Cobalt	ND		0.00040	0.000039	mg/L		10/27/23 16:48	10/30/23 11:24	1
Copper	ND		0.0020	0.00060	mg/L		10/27/23 16:48	10/30/23 11:24	1
Iron	ND		0.10	0.013	mg/L		10/27/23 16:48	10/30/23 11:24	1
Lead	ND		0.00040	0.000040	mg/L		10/27/23 16:48	10/30/23 11:24	1
Nickel	ND		0.0030	0.00013	mg/L		10/27/23 16:48	10/30/23 11:24	1
Selenium	ND		0.0080	0.0021	mg/L		10/27/23 16:48	10/30/23 11:24	1
Silver	ND		0.00040	0.000025	mg/L		10/27/23 16:48	10/30/23 11:24	1
Thallium	ND		0.0010	0.000029	mg/L		10/27/23 16:48	10/30/23 11:24	1
Vanadium	ND		0.0040	0.00046	mg/L		10/27/23 16:48	10/30/23 11:24	1
Zinc	ND		0.0070	0.00093	mg/L		10/27/23 16:48	10/30/23 11:24	1

Lab Sample ID: LCS 580-442195/22-A
Matrix: Water
Analysis Batch: 442387

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 442195

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.01		mg/L		101	80 - 120
Arsenic	1.00	0.997		mg/L		100	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	1.00	1.03		mg/L		103	80 - 120
Cadmium	1.00	1.01		mg/L		101	80 - 120
Chromium	1.00	1.00		mg/L		100	80 - 120
Cobalt	1.00	1.00		mg/L		100	80 - 120
Copper	1.00	1.01		mg/L		101	80 - 120
Iron	20.0	20.2		mg/L		101	80 - 120
Lead	1.00	0.974		mg/L		97	80 - 120
Nickel	1.00	1.00		mg/L		100	80 - 120
Selenium	1.00	0.983		mg/L		98	80 - 120
Silver	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	0.955		mg/L		95	80 - 120
Vanadium	1.00	0.995		mg/L		100	80 - 120
Zinc	1.00	1.00		mg/L		100	80 - 120

Lab Sample ID: LCSD 580-442195/23-A
Matrix: Water
Analysis Batch: 442387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 442195

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.986		mg/L		99	80 - 120	2	20
Arsenic	1.00	1.02		mg/L		102	80 - 120	2	20
Barium	1.00	0.989		mg/L		99	80 - 120	1	20
Beryllium	1.00	1.01		mg/L		101	80 - 120	3	20
Cadmium	1.00	0.993		mg/L		99	80 - 120	2	20
Chromium	1.00	1.01		mg/L		101	80 - 120	1	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-442195/23-A

Matrix: Water

Analysis Batch: 442387

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 442195

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt	1.00	1.02		mg/L		102	80 - 120	2	20
Copper	1.00	1.02		mg/L		102	80 - 120	1	20
Iron	20.0	20.3		mg/L		102	80 - 120	1	20
Lead	1.00	0.973		mg/L		97	80 - 120	0	20
Nickel	1.00	1.03		mg/L		103	80 - 120	3	20
Selenium	1.00	1.00		mg/L		100	80 - 120	2	20
Silver	1.00	1.00		mg/L		100	80 - 120	2	20
Thallium	1.00	0.989		mg/L		99	80 - 120	4	20
Vanadium	1.00	1.00		mg/L		100	80 - 120	0	20
Zinc	1.00	1.01		mg/L		101	80 - 120	1	20

Lab Sample ID: MB 580-442475/23-A

Matrix: Water

Analysis Batch: 442660

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 442475

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080	0.00013	mg/L		10/31/23 15:10	11/01/23 11:36	1
Arsenic	ND		0.0010	0.00020	mg/L		10/31/23 15:10	11/01/23 11:36	1
Barium	ND		0.0012	0.00021	mg/L		10/31/23 15:10	11/01/23 11:36	1
Beryllium	ND		0.00040	0.00011	mg/L		10/31/23 15:10	11/01/23 11:36	1
Cadmium	ND		0.00040	0.000037	mg/L		10/31/23 15:10	11/01/23 11:36	1
Chromium	ND		0.00080	0.00017	mg/L		10/31/23 15:10	11/01/23 11:36	1
Cobalt	ND		0.00040	0.000039	mg/L		10/31/23 15:10	11/01/23 11:36	1
Copper	ND		0.0020	0.00060	mg/L		10/31/23 15:10	11/01/23 11:36	1
Iron	ND		0.10	0.013	mg/L		10/31/23 15:10	11/01/23 11:36	1
Lead	ND		0.00040	0.000040	mg/L		10/31/23 15:10	11/01/23 11:36	1
Nickel	ND		0.0030	0.00013	mg/L		10/31/23 15:10	11/01/23 11:36	1
Selenium	ND		0.0080	0.0021	mg/L		10/31/23 15:10	11/01/23 11:36	1
Silver	ND		0.00040	0.000025	mg/L		10/31/23 15:10	11/01/23 11:36	1
Thallium	ND		0.0010	0.000029	mg/L		10/31/23 15:10	11/01/23 11:36	1
Vanadium	ND		0.0040	0.00046	mg/L		10/31/23 15:10	11/01/23 11:36	1
Zinc	ND		0.0070	0.00093	mg/L		10/31/23 15:10	11/01/23 11:36	1

Lab Sample ID: LCS 580-442475/24-A

Matrix: Water

Analysis Batch: 442660

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 442475

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.01		mg/L		101	80 - 120
Arsenic	1.00	0.989		mg/L		99	80 - 120
Barium	1.00	0.987		mg/L		99	80 - 120
Beryllium	1.00	0.968		mg/L		97	80 - 120
Cadmium	1.00	1.00		mg/L		100	80 - 120
Chromium	1.00	1.02		mg/L		102	80 - 120
Cobalt	1.00	1.01		mg/L		101	80 - 120
Copper	1.00	1.01		mg/L		101	80 - 120
Iron	20.0	20.4		mg/L		102	80 - 120
Lead	1.00	0.973		mg/L		97	80 - 120
Nickel	1.00	1.00		mg/L		100	80 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-442475/24-A

Matrix: Water

Analysis Batch: 442660

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 442475

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	1.00	0.999		mg/L		100	80 - 120
Silver	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	0.969		mg/L		97	80 - 120
Vanadium	1.00	1.01		mg/L		101	80 - 120
Zinc	1.00	0.976		mg/L		98	80 - 120

Lab Sample ID: LCSD 580-442475/25-A

Matrix: Water

Analysis Batch: 442660

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 442475

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	1.02		mg/L		102	80 - 120	1	20
Arsenic	1.00	0.992		mg/L		99	80 - 120	0	20
Barium	1.00	1.01		mg/L		101	80 - 120	2	20
Beryllium	1.00	0.987		mg/L		99	80 - 120	2	20
Cadmium	1.00	1.00		mg/L		100	80 - 120	0	20
Chromium	1.00	1.04		mg/L		104	80 - 120	2	20
Cobalt	1.00	1.02		mg/L		102	80 - 120	1	20
Copper	1.00	1.02		mg/L		102	80 - 120	1	20
Iron	20.0	21.1		mg/L		105	80 - 120	3	20
Lead	1.00	0.994		mg/L		99	80 - 120	2	20
Nickel	1.00	1.01		mg/L		101	80 - 120	1	20
Selenium	1.00	1.01		mg/L		101	80 - 120	1	20
Silver	1.00	1.02		mg/L		102	80 - 120	0	20
Thallium	1.00	0.980		mg/L		98	80 - 120	1	20
Vanadium	1.00	1.03		mg/L		103	80 - 120	2	20
Zinc	1.00	0.998		mg/L		100	80 - 120	2	20

Lab Sample ID: 580-133193-10 MS

Matrix: Water

Analysis Batch: 442660

Client Sample ID: 1025-11

Prep Type: Total Recoverable

Prep Batch: 442475

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00014	J	1.00	1.05		mg/L		105	80 - 120
Arsenic	0.0030		1.00	1.00		mg/L		100	80 - 120
Barium	0.080		1.00	1.11		mg/L		103	80 - 120
Beryllium	ND		1.00	1.00		mg/L		100	80 - 120
Cadmium	ND		1.00	1.03		mg/L		103	80 - 120
Chromium	0.00025	J	1.00	1.03		mg/L		103	80 - 120
Cobalt	0.00017	J	1.00	1.00		mg/L		100	80 - 120
Copper	0.00067	J	1.00	1.00		mg/L		100	80 - 120
Iron	0.082	J	20.0	20.8		mg/L		104	80 - 120
Lead	0.000055	J	1.00	1.00		mg/L		100	80 - 120
Nickel	0.0068		1.00	1.01		mg/L		100	80 - 120
Selenium	ND		1.00	0.973		mg/L		97	80 - 120
Silver	ND		1.00	1.05		mg/L		105	80 - 120
Thallium	ND		1.00	1.02		mg/L		102	80 - 120
Vanadium	0.0020	J	1.00	1.04		mg/L		104	80 - 120
Zinc	0.0017	J	1.00	0.978		mg/L		98	80 - 120

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-133193-10 MSD

Matrix: Water

Analysis Batch: 442660

Client Sample ID: 1025-11

Prep Type: Total Recoverable

Prep Batch: 442475

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00014	J	1.00	1.03		mg/L		103	80 - 120	2	20
Arsenic	0.0030		1.00	1.01		mg/L		100	80 - 120	0	20
Barium	0.080		1.00	1.09		mg/L		101	80 - 120	1	20
Beryllium	ND		1.00	0.987		mg/L		99	80 - 120	1	20
Cadmium	ND		1.00	1.02		mg/L		102	80 - 120	1	20
Chromium	0.00025	J	1.00	1.04		mg/L		103	80 - 120	1	20
Cobalt	0.00017	J	1.00	0.997		mg/L		100	80 - 120	0	20
Copper	0.00067	J	1.00	0.999		mg/L		100	80 - 120	1	20
Iron	0.082	J	20.0	20.7		mg/L		103	80 - 120	0	20
Lead	0.000055	J	1.00	1.00		mg/L		100	80 - 120	0	20
Nickel	0.0068		1.00	1.00		mg/L		100	80 - 120	0	20
Selenium	ND		1.00	1.01		mg/L		101	80 - 120	3	20
Silver	ND		1.00	1.03		mg/L		103	80 - 120	2	20
Thallium	ND		1.00	0.972		mg/L		97	80 - 120	5	20
Vanadium	0.0020	J	1.00	1.04		mg/L		104	80 - 120	0	20
Zinc	0.0017	J	1.00	0.975		mg/L		97	80 - 120	0	20

Lab Sample ID: 580-133193-10 DU

Matrix: Water

Analysis Batch: 442660

Client Sample ID: 1025-11

Prep Type: Total Recoverable

Prep Batch: 442475

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	0.00014	J	0.000133	J	mg/L		7	20
Arsenic	0.0030		0.00306		mg/L		3	20
Barium	0.080		0.0806		mg/L		1	20
Beryllium	ND		ND		mg/L		NC	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	0.00025	J	0.000245	J	mg/L		0.8	20
Cobalt	0.00017	J	0.000161	J	mg/L		3	20
Copper	0.00067	J	0.000683	J	mg/L		2	20
Iron	0.082	J	0.0784	J	mg/L		4	20
Lead	0.000055	J	0.0000490	J	mg/L		12	20
Nickel	0.0068		0.00685		mg/L		1	20
Selenium	ND		ND		mg/L		NC	20
Silver	ND		ND		mg/L		NC	20
Thallium	ND		ND		mg/L		NC	20
Vanadium	0.0020	J	0.00204	J	mg/L		2	20
Zinc	0.0017	J	0.00103	J F5	mg/L		47	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-442179/3

Matrix: Water

Analysis Batch: 442179

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.030	mg/L			10/27/23 09:43	1
Chloride	ND		1.5	0.43	mg/L			10/27/23 09:43	1
Sulfate	ND		1.5	0.80	mg/L			10/27/23 09:43	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-442179/4

Matrix: Water

Analysis Batch: 442179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.69		mg/L		94	90 - 110
Chloride	50.0	51.7		mg/L		103	90 - 110
Sulfate	50.0	51.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 580-442179/5

Matrix: Water

Analysis Batch: 442179

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	4.75		mg/L		95	90 - 110	1	15
Chloride	50.0	51.7		mg/L		103	90 - 110	0	15
Sulfate	50.0	51.3		mg/L		103	90 - 110	0	15

Lab Sample ID: 580-133193-21 MS

Matrix: Water

Analysis Batch: 442179

Client Sample ID: 1025-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND		5.00	4.92		mg/L		98	90 - 110
Chloride	21		50.0	71.6		mg/L		101	90 - 110
Sulfate	46		50.0	95.2		mg/L		98	90 - 110

Lab Sample ID: 580-133193-21 MSD

Matrix: Water

Analysis Batch: 442179

Client Sample ID: 1025-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	ND		5.00	4.97		mg/L		99	90 - 110	1	15
Chloride	21		50.0	71.6		mg/L		101	90 - 110	0	15
Sulfate	46		50.0	95.3		mg/L		98	90 - 110	0	15

Lab Sample ID: MB 580-442327/23

Matrix: Water

Analysis Batch: 442327

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.030	mg/L			10/27/23 17:32	1
Chloride	ND		1.5	0.43	mg/L			10/27/23 17:32	1
Sulfate	ND		1.5	0.80	mg/L			10/27/23 17:32	1

Lab Sample ID: LCS 580-442327/24

Matrix: Water

Analysis Batch: 442327

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.84		mg/L		97	90 - 110
Chloride	50.0	51.6		mg/L		103	90 - 110
Sulfate	50.0	51.3		mg/L		103	90 - 110

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 580-442327/25

Matrix: Water

Analysis Batch: 442327

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	5.00	4.86		mg/L		97	90 - 110	0	15
Chloride	50.0	51.6		mg/L		103	90 - 110	0	15
Sulfate	50.0	51.3		mg/L		103	90 - 110	0	15

Lab Sample ID: 580-133193-5 MS

Matrix: Water

Analysis Batch: 442327

Client Sample ID: 1025-06

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.19	J	5.00	5.07		mg/L		98	90 - 110		
Chloride	12		50.0	63.7		mg/L		103	90 - 110		
Sulfate	24		50.0	75.7		mg/L		104	90 - 110		

Lab Sample ID: 580-133193-5 MSD

Matrix: Water

Analysis Batch: 442327

Client Sample ID: 1025-06

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.19	J	5.00	5.09		mg/L		98	90 - 110	0	15
Chloride	12		50.0	63.7		mg/L		103	90 - 110	0	15
Sulfate	24		50.0	75.7		mg/L		104	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-381661/5-A

Matrix: Water

Analysis Batch: 381697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 381661

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075	0.029	mg/L		11/08/23 09:34	11/08/23 11:53	1

Lab Sample ID: LCS 570-381661/6-A

Matrix: Water

Analysis Batch: 381697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 381661

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.500	0.495		mg/L		99	90 - 110		

Lab Sample ID: LCSD 570-381661/7-A

Matrix: Water

Analysis Batch: 381697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 381661

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.500	0.506		mg/L		101	90 - 110	2	20

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 580-133193-1 MS

Matrix: Water

Analysis Batch: 381697

Client Sample ID: 1026-01

Prep Type: Total/NA

Prep Batch: 381661

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	0.040	J	0.500	0.511		mg/L		94	90 - 110		

Lab Sample ID: 580-133193-1 MSD

Matrix: Water

Analysis Batch: 381697

Client Sample ID: 1026-01

Prep Type: Total/NA

Prep Batch: 381661

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Ammonia	0.040	J	0.500	0.502		mg/L		92	90 - 110	2	25

Lab Sample ID: 580-133193-11 MS

Matrix: Water

Analysis Batch: 381697

Client Sample ID: 1025-12

Prep Type: Total/NA

Prep Batch: 381661

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	0.069	J	0.500	0.536		mg/L		93	90 - 110		

Lab Sample ID: 580-133193-11 MSD

Matrix: Water

Analysis Batch: 381697

Client Sample ID: 1025-12

Prep Type: Total/NA

Prep Batch: 381661

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Ammonia	0.069	J	0.500	0.553		mg/L		97	90 - 110	3	25

Lab Sample ID: MB 570-381663/5-A

Matrix: Water

Analysis Batch: 381697

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 381663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075	0.029	mg/L		11/08/23 10:15	11/08/23 12:47	1

Lab Sample ID: LCS 570-381663/6-A

Matrix: Water

Analysis Batch: 381697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 381663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	0.500	0.484		mg/L		97	90 - 110		

Lab Sample ID: LCSD 570-381663/7-A

Matrix: Water

Analysis Batch: 381697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 381663

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Ammonia	0.500	0.475		mg/L		95	90 - 110	2	20

Lab Sample ID: 580-133193-21 MS

Matrix: Water

Analysis Batch: 381697

Client Sample ID: 1025-22

Prep Type: Total/NA

Prep Batch: 381663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	ND		0.500	0.481		mg/L		96	90 - 110		

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: 580-133193-21 MSD
Matrix: Water
Analysis Batch: 381697

Client Sample ID: 1025-22
Prep Type: Total/NA
Prep Batch: 381663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND		0.500	0.461		mg/L		92	90 - 110	4	25

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-438357/21
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			11/01/23 09:45	1

Lab Sample ID: MB 410-438357/54
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			11/01/23 10:51	1

Lab Sample ID: MB 410-438357/87
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			11/01/23 11:57	1

Lab Sample ID: LCS 410-438357/19
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.48		mg/L		99	90 - 110

Lab Sample ID: LCS 410-438357/52
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.45		mg/L		98	90 - 110

Lab Sample ID: LCS 410-438357/85
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.34		mg/L		94	90 - 110

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCSD 410-438357/20
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.42		mg/L		97	90 - 110	2	20

Lab Sample ID: LCSD 410-438357/53
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.48		mg/L		99	90 - 110	1	20

Lab Sample ID: LCSD 410-438357/86
Matrix: Water
Analysis Batch: 438357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.46		mg/L		98	90 - 110	5	20

Lab Sample ID: MB 410-442124/54
Matrix: Water
Analysis Batch: 442124

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			11/10/23 10:46	1

Lab Sample ID: LCS 410-442124/52
Matrix: Water
Analysis Batch: 442124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.41		mg/L		96	90 - 110		

Lab Sample ID: LCSD 410-442124/53
Matrix: Water
Analysis Batch: 442124

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.44		mg/L		97	90 - 110	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-442234/2
Matrix: Water
Analysis Batch: 442234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	100	103		mg/L		103	85 - 115		

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 580-442234/3

Matrix: Water

Analysis Batch: 442234

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	100	99.5		mg/L		99	85 - 115	3	20

Lab Sample ID: LCS 580-442644/2

Matrix: Water

Analysis Batch: 442644

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	100	98.6		mg/L		99	85 - 115		

Lab Sample ID: 580-133193-9 DU

Matrix: Water

Analysis Batch: 442644

Client Sample ID: 1024-10

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	250		248		mg/L		0.1	17
Bicarbonate Alkalinity as CaCO3	250		248		mg/L		0.1	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20
Hydroxide Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-442204/1

Matrix: Water

Analysis Batch: 442204

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	50	mg/L			10/27/23 17:55	1

Lab Sample ID: LCS 580-442204/2

Matrix: Water

Analysis Batch: 442204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1020	1130		mg/L		110	80 - 120		

Lab Sample ID: MB 580-442219/1

Matrix: Water

Analysis Batch: 442219

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	50	mg/L			10/27/23 21:06	1

Lab Sample ID: LCS 580-442219/2

Matrix: Water

Analysis Batch: 442219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1020	1030		mg/L		100	80 - 120		

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 580-442379/1
Matrix: Water
Analysis Batch: 442379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	50	mg/L			10/30/23 18:13	1

Lab Sample ID: LCS 580-442379/2
Matrix: Water
Analysis Batch: 442379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1020	1150		mg/L		112	80 - 120

Lab Sample ID: 580-133193-1 DU
Matrix: Water
Analysis Batch: 442379

Client Sample ID: 1026-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	420		467		mg/L		11	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-442229/3-A
Matrix: Water
Analysis Batch: 442241

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 442229

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	10	mg/L		10/28/23 16:33	10/28/23 19:32	1

Lab Sample ID: LCS 580-442229/4-A
Matrix: Water
Analysis Batch: 442241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 442229

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	78.2		mg/L		104	80 - 120

Lab Sample ID: LCSD 580-442229/5-A
Matrix: Water
Analysis Batch: 442241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 442229

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chemical Oxygen Demand	75.0	74.5		mg/L		99	80 - 120	5	20

Lab Sample ID: MB 580-442609/3-A
Matrix: Water
Analysis Batch: 442645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 442609

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	10	mg/L		11/01/23 16:03	11/01/23 19:55	1

Eurofins Seattle

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCS 580-442609/4-A
Matrix: Water
Analysis Batch: 442645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 442609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	75.2		mg/L		100	80 - 120

Lab Sample ID: LCSD 580-442609/5-A
Matrix: Water
Analysis Batch: 442645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 442609

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	75.2		mg/L		100	80 - 120	0	20

Lab Sample ID: 580-133193-20 MS
Matrix: Water
Analysis Batch: 442645

Client Sample ID: 1025-21
Prep Type: Total/NA
Prep Batch: 442609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND		25.0	31.2		mg/L		125	75 - 125

Lab Sample ID: 580-133193-20 DU
Matrix: Water
Analysis Batch: 442645

Client Sample ID: 1025-21
Prep Type: Total/NA
Prep Batch: 442609

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chemical Oxygen Demand	ND		ND		mg/L		NC	20

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-379012/34
Matrix: Water
Analysis Batch: 379012

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		0.50	0.26	mg/L			10/31/23 06:08	1

Lab Sample ID: MB 570-379012/4
Matrix: Water
Analysis Batch: 379012

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		0.50	0.26	mg/L			10/30/23 20:20	1

Lab Sample ID: LCS 570-379012/35
Matrix: Water
Analysis Batch: 379012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	5.03	4.66		mg/L		93	85 - 115

QC Sample Results

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Method: SM 5310D - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 570-379012/5

Matrix: Water

Analysis Batch: 379012

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	5.03	4.95		mg/L		98	85 - 115

Lab Sample ID: LCSD 570-379012/36

Matrix: Water

Analysis Batch: 379012

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	5.03	4.61		mg/L		92	85 - 115	1	20

Lab Sample ID: LCSD 570-379012/6

Matrix: Water

Analysis Batch: 379012

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	5.03	4.92		mg/L		98	85 - 115	1	20

Lab Sample ID: 580-133193-1 MS

Matrix: Water

Analysis Batch: 379012

Client Sample ID: 1026-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	0.97		5.03	6.48		mg/L		110	31 - 145

Lab Sample ID: 580-133193-1 MSD

Matrix: Water

Analysis Batch: 379012

Client Sample ID: 1026-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	0.97		5.03	6.42		mg/L		108	31 - 145	1	20

Lab Sample ID: 580-133193-21 MS

Matrix: Water

Analysis Batch: 379012

Client Sample ID: 1025-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	0.97		5.03	6.10		mg/L		102	31 - 145

Lab Sample ID: 580-133193-21 MSD

Matrix: Water

Analysis Batch: 379012

Client Sample ID: 1025-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	0.97		5.03	6.98		mg/L		120	31 - 145	14	20

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1026-01

Date Collected: 10/26/23 09:40

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442999	ITR	EET SEA	11/07/23 05:05
Total/NA	Analysis	8260D SIM		1	443276	ITR	EET SEA	11/08/23 18:48
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:47
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 13:31
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:12
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 18:07
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 11:59
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 10:41
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442379	CSS	EET SEA	10/30/23 18:13
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/30/23 21:58

Client Sample ID: 1025-02

Date Collected: 10/25/23 10:08

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 20:39
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 21:48
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:47
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 13:34
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:15
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 18:19
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:00
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 10:59
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/30/23 22:18

Client Sample ID: 1024-03

Date Collected: 10/24/23 15:11

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442447	ITR	EET SEA	11/01/23 01:59

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-03

Date Collected: 10/24/23 15:11

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/03/23 22:58
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 18:41
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 13:38
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:18
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 18:31
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:02
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:01
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/30/23 22:37

Client Sample ID: 1026-05

Date Collected: 10/26/23 10:00

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442999	ITR	EET SEA	11/07/23 05:26
Total/NA	Analysis	8260D SIM		1	443276	ITR	EET SEA	11/08/23 19:11
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 13:41
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:20
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 18:42
Total/NA	Analysis	300.0		10	442327	CA	EET SEA	10/27/23 18:54
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:03
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:03
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442379	CSS	EET SEA	10/30/23 18:13
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/30/23 22:57

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-06

Date Collected: 10/25/23 12:11

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 21:00
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 22:12
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 13:56
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:36
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 19:06
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:05
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:05
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/30/23 23:16

Client Sample ID: 1024-07

Date Collected: 10/24/23 11:14

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442447	ITR	EET SEA	11/01/23 02:24
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/03/23 23:18
Total/NA	Analysis	8260D SIM		1	442739	ITR	EET SEA	11/02/23 21:22
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:47
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 13:21
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:39
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 20:04
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:06
Total/NA	Analysis	353.2		5	438357	Q3HN	ELLE	11/01/23 11:11
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/30/23 23:36

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-08

Date Collected: 10/24/23 11:58

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442447	ITR	EET SEA	11/01/23 02:48
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/03/23 23:38
Total/NA	Analysis	8260D SIM		1	442739	ITR	EET SEA	11/02/23 21:46
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 13:59
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:42
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 20:16
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:08
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:13
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/30/23 23:55

Client Sample ID: 1024-09

Date Collected: 10/24/23 13:13

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442447	ITR	EET SEA	11/01/23 03:12
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/03/23 23:58
Total/NA	Analysis	8260D SIM		1	442739	ITR	EET SEA	11/02/23 22:09
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:03
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:44
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 20:28
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:09
Total/NA	Analysis	353.2		5	438357	Q3HN	ELLE	11/01/23 11:15
Total/NA	Analysis	SM 2320B		1	442234	MLT	EET SEA	10/28/23 18:47
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 00:15

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-10

Date Collected: 10/24/23 14:20

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 05:51
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/04/23 00:19
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 19:05
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:06
Total Recoverable	Prep	3005A			442195	JLS	EET SEA	10/27/23 16:48
Total Recoverable	Analysis	6020B		1	442387	FCW	EET SEA	10/30/23 12:47
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 20:40
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:11
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:17
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 00:34

Client Sample ID: 1025-11

Date Collected: 10/25/23 13:14

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 21:20
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 22:35
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:10
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 11:38
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 20:51
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:12
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:19
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 00:54

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-12

Date Collected: 10/25/23 14:01

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 19:59
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 22:58
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:13
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:13
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 21:15
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:21
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:27
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 01:53

Client Sample ID: 1025-13

Date Collected: 10/25/23 15:07

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 20:19
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 23:22
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:17
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:16
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 21:38
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:23
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:29
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 02:13

Client Sample ID: 1025-14

Date Collected: 10/25/23 15:20

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 21:40

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-14

Date Collected: 10/25/23 15:20

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 23:45
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:20
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:18
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 22:13
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:24
Total/NA	Analysis	353.2		20	438357	Q3HN	ELLE	11/01/23 11:35
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 02:32

Client Sample ID: 1026-15

Date Collected: 10/26/23 10:42

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442999	ITR	EET SEA	11/07/23 04:25
Total/NA	Analysis	8260D SIM		1	443276	ITR	EET SEA	11/08/23 19:34
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:24
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:21
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 22:25
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:26
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:37
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:33
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 02:52

Client Sample ID: 1024-16

Date Collected: 10/24/23 10:18

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 06:11
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/04/23 00:39

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-16

Date Collected: 10/24/23 10:18

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 19:28
Dissolved	Prep	3005A			442358	AUA	EET SEA	10/30/23 15:51
Dissolved	Analysis	6010D		1	442548	JLS	EET SEA	10/31/23 14:27
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:24
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 22:37
Total/NA	Analysis	300.0		5	442327	CA	EET SEA	10/27/23 22:48
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:27
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:39
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:38
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 03:11

Client Sample ID: 1024-17

Date Collected: 10/24/23 11:12

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 06:31
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/04/23 00:59
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 19:52
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 17:55
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:26
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 23:00
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:29
Total/NA	Analysis	353.2		5	438357	Q3HN	ELLE	11/01/23 11:41
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:38
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 03:31

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-18

Date Collected: 10/24/23 12:03

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 06:52
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/04/23 01:19
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 20:15
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:22
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:29
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 23:12
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:30
Total/NA	Analysis	353.2		10	438357	Q3HN	ELLE	11/01/23 11:43
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:38
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 03:50

Client Sample ID: 1024-19

Date Collected: 10/24/23 13:05

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 07:12
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/04/23 01:40
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 20:39
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:26
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:32
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 23:23
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:32
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 11:45
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:38
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 04:10

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-20

Date Collected: 10/24/23 14:00

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 07:32
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/04/23 02:00
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 21:02
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:29
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:34
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 23:35
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:33
Total/NA	Analysis	353.2		10	438357	Q3HN	ELLE	11/01/23 11:47
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442229	MLT	EET SEA	10/28/23 16:38
Total/NA	Analysis	SM 5220D		1	442241	MLT	EET SEA	10/28/23 19:32
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 04:29

Client Sample ID: 1025-21

Date Collected: 10/25/23 09:42

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 22:00
Total/NA	Analysis	8260D	RA	1	443095	ITR	EET SEA	11/07/23 13:42
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/07/23 00:08
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:33
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:37
Total/NA	Analysis	300.0		1	442327	CA	EET SEA	10/27/23 23:47
Total/NA	Prep	Distill/Ammonia			381661	UXCH	EET CAL 4	11/08/23 09:34
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:35
Total/NA	Analysis	353.2		10	438357	Q3HN	ELLE	11/01/23 12:05
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 04:49

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-22

Date Collected: 10/25/23 10:22

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 22:20
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/07/23 00:32
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:36
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:53
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 11:41
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:53
Total/NA	Analysis	353.2		5	438357	Q3HN	ELLE	11/01/23 12:07
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 07:46

Client Sample ID: 1024-23

Date Collected: 10/24/23 14:57

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 07:52
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/04/23 02:20
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/06/23 21:25
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:40
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:56
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 12:16
Total/NA	Analysis	300.0		10	442179	CA	EET SEA	10/27/23 12:27
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:54
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 12:09
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 19:12
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 08:05

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-24

Date Collected: 10/24/23 15:34

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		20	442124	Q3HN	ELLE	11/10/23 11:24

Client Sample ID: 1026-25

Date Collected: 10/26/23 10:12

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442999	ITR	EET SEA	11/07/23 04:45
Total/NA	Analysis	8260D SIM		1	443276	ITR	EET SEA	11/08/23 19:58
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:51
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 12:58
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 12:39
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:56
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 12:11
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 21:43
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 08:25

Client Sample ID: 1025-26

Date Collected: 10/25/23 12:02

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 22:41
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/07/23 00:55
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:54
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 13:01
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 12:51
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:57
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 12:17
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 20:48
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 08:44

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1025-27

Date Collected: 10/25/23 11:07

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 23:01
Total/NA	Analysis	8260D SIM		1	443011	ITR	EET SEA	11/07/23 01:18
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 18:58
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 13:04
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 13:26
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 12:59
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 12:19
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 20:48
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 09:04

Client Sample ID: 1024-28

Date Collected: 10/24/23 11:25

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442255	JBT	EET SEA	10/28/23 08:13
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/03/23 20:56
Total/NA	Analysis	8260D SIM		1	442851	ITR	EET SEA	11/03/23 22:31
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 19:01
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 13:06
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 13:38
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 13:00
Total/NA	Analysis	353.2		2	438357	Q3HN	ELLE	11/01/23 12:21
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 20:48
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 09:23

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: Trip Blank

Date Collected: 10/26/23 11:44

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442999	ITR	EET SEA	11/07/23 02:23
Total/NA	Analysis	8260D SIM		1	443145	ITR	EET SEA	11/07/23 18:29

Client Sample ID: 1025-04

Date Collected: 10/25/23 14:19

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442994	ITR	EET SEA	11/06/23 23:21
Total/NA	Analysis	8260D SIM		1	443276	ITR	EET SEA	11/08/23 18:24
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 19:05
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 13:09
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 15:00
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 13:02
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 12:23
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 20:48
Total/NA	Analysis	SM 2540C		1	442219	CSS	EET SEA	10/27/23 21:06
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 09:43

Client Sample ID: 1024-29

Date Collected: 10/24/23 13:05

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	442447	ITR	EET SEA	11/01/23 03:37
Total/NA	Analysis	8260D	RA	1	442847	JBT	EET SEA	11/03/23 21:17
Total/NA	Analysis	8260D SIM		1	442851	ITR	EET SEA	11/03/23 22:54
Dissolved	Prep	3005A			442478	JLS	EET SEA	10/31/23 15:17
Dissolved	Analysis	6010D		1	442671	JLS	EET SEA	11/01/23 19:08
Total Recoverable	Prep	3005A			442475	JLS	EET SEA	10/31/23 15:10
Total Recoverable	Analysis	6020B		1	442660	FCW	EET SEA	11/01/23 13:12
Total/NA	Analysis	300.0		1	442179	CA	EET SEA	10/27/23 15:12
Total/NA	Prep	Distill/Ammonia			381663	UXCH	EET CAL 4	11/08/23 10:15
Total/NA	Analysis	350.1		1	381697	UXCH	EET CAL 4	11/08/23 13:03
Total/NA	Analysis	353.2		1	438357	Q3HN	ELLE	11/01/23 12:25
Total/NA	Analysis	SM 2320B		1	442644	MLT	EET SEA	11/01/23 20:48
Total/NA	Analysis	SM 2540C		1	442204	CSS	EET SEA	10/27/23 17:55

Eurofins Seattle

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Client Sample ID: 1024-29

Date Collected: 10/24/23 13:05

Date Received: 10/26/23 14:15

Lab Sample ID: 580-133193-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SM 5220			442609	MLT	EET SEA	11/01/23 16:03
Total/NA	Analysis	SM 5220D		1	442645	MLT	EET SEA	11/01/23 19:55
Total/NA	Analysis	SM 5310D		1	379012	ZL4M	EET CAL 4	10/31/23 10:02

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Laboratory: Eurofins Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Sulfate
8260D SIM		Water	Vinyl chloride
SM 2320B		Water	Alkalinity
SM 2320B		Water	Bicarbonate Alkalinity as CaCO ₃
SM 2320B		Water	Carbonate Alkalinity as CaCO ₃
SM 2320B		Water	Hydroxide Alkalinity as CaCO ₃
SM 2540C		Water	Total Dissolved Solids

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-23
California	SCAQMD LAP	17LA0919	11-30-23
California	State	3082	07-31-24
Nevada	State	CA00111	07-31-24
Oregon	NELAP	4175	02-02-24
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-23 *

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-24
A2LA	ISO/IEC 17025	0001.01	11-30-24
Alabama	State	43200	01-31-24
Alaska	State	PA00009	06-30-24
Alaska (UST)	State	17-027	02-28-24
Arizona	State	AZ0780	03-12-24
Arkansas DEQ	State	88-00660	08-09-24
California	State	2792	11-30-23
Colorado	State	PA00009	06-30-24
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-24
Delaware (DW)	State	N/A	01-31-24
Florida	NELAP	E87997	06-30-24
Georgia (DW)	State	C048	01-31-24
Hawaii	State	N/A	01-31-24
Illinois	NELAP	200027	01-31-24
Iowa	State	361	03-01-24
Kansas	NELAP	E-10151	10-31-24
Kentucky (DW)	State	KY90088	12-31-23
Kentucky (UST)	State	0001.01	11-30-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Seattle

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Kentucky (WW)	State	KY90088	12-31-23
Louisiana (All)	NELAP	02055	06-30-24
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-24
Massachusetts	State	M-PA009	06-30-24
Michigan	State	9930	01-31-24
Minnesota	NELAP	042-999-487	12-31-23
Mississippi	State	023	01-31-24
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-24
Nebraska	State	NE-OS-32-17	01-31-24
New Hampshire	NELAP	2730	01-10-24
New Jersey	NELAP	PA011	06-30-24
New York	NELAP	10670	04-01-24
North Carolina (DW)	State	42705	07-31-24
North Carolina (WW/SW)	State	521	12-31-23
North Dakota	State	R-205	01-31-24
Oklahoma	NELAP	9804	08-31-24
Oregon	NELAP	PA200001	09-11-24
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-24
Rhode Island	State	LAO00338	12-31-23
South Carolina	State	89002	01-31-24
Tennessee	State	02838	01-31-24
Texas	NELAP	T104704194-23-46	08-31-24
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-24
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-24
West Virginia (DW)	State	9906 C	12-31-23
West Virginia DEP	State	055	07-31-24
Wyoming	State	8TMS-L	01-31-24
Wyoming (UST)	A2LA	0001.01	11-30-24

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q2 2022

Job ID: 580-133193-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-133193-1	1026-01	Water	10/26/23 09:40	10/26/23 14:15
580-133193-2	1025-02	Water	10/25/23 10:08	10/26/23 14:15
580-133193-3	1024-03	Water	10/24/23 15:11	10/26/23 14:15
580-133193-4	1026-05	Water	10/26/23 10:00	10/26/23 14:15
580-133193-5	1025-06	Water	10/25/23 12:11	10/26/23 14:15
580-133193-6	1024-07	Water	10/24/23 11:14	10/26/23 14:15
580-133193-7	1024-08	Water	10/24/23 11:58	10/26/23 14:15
580-133193-8	1024-09	Water	10/24/23 13:13	10/26/23 14:15
580-133193-9	1024-10	Water	10/24/23 14:20	10/26/23 14:15
580-133193-10	1025-11	Water	10/25/23 13:14	10/26/23 14:15
580-133193-11	1025-12	Water	10/25/23 14:01	10/26/23 14:15
580-133193-12	1025-13	Water	10/25/23 15:07	10/26/23 14:15
580-133193-13	1025-14	Water	10/25/23 15:20	10/26/23 14:15
580-133193-14	1026-15	Water	10/26/23 10:42	10/26/23 14:15
580-133193-15	1024-16	Water	10/24/23 10:18	10/26/23 14:15
580-133193-16	1024-17	Water	10/24/23 11:12	10/26/23 14:15
580-133193-17	1024-18	Water	10/24/23 12:03	10/26/23 14:15
580-133193-18	1024-19	Water	10/24/23 13:05	10/26/23 14:15
580-133193-19	1024-20	Water	10/24/23 14:00	10/26/23 14:15
580-133193-20	1025-21	Water	10/25/23 09:42	10/26/23 14:15
580-133193-21	1025-22	Water	10/25/23 10:22	10/26/23 14:15
580-133193-22	1024-23	Water	10/24/23 14:57	10/26/23 14:15
580-133193-23	1024-24	Water	10/24/23 15:34	10/26/23 14:15
580-133193-24	1026-25	Water	10/26/23 10:12	10/26/23 14:15
580-133193-25	1025-26	Water	10/25/23 12:02	10/26/23 14:15
580-133193-26	1025-27	Water	10/25/23 11:07	10/26/23 14:15
580-133193-27	1024-28	Water	10/24/23 11:25	10/26/23 14:15
580-133193-28	Trip Blank	Water	10/26/23 11:44	10/26/23 14:15
580-133193-29	1025-04	Water	10/25/23 14:19	10/26/23 14:15
580-133193-30	1024-29	Water	10/24/23 13:05	10/26/23 14:15

Environment Testing

[illegible]

Eurofins Seattle

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record



Environment Testing

Client Information		Sampler: AD 15E		Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-59092-18230.2																									
Client Contact: Jovany Estrada		Phone:		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: WA		Page: Page 2 of 6																									
Company: SCS Engineers		PWSID:		Analysis Requested																													
Address: 2405 140th Avenue NE Suite 107		Due Date Requested:		<table border="1"> <tr> <td rowspan="5">Field Filtered Sample (Yes or No)</td> <td rowspan="5">Perform MS/MSD (Yes or No)</td> <td rowspan="5">350.1 - (MOD) Copy Analytes</td> <td rowspan="5">SM5310D - Total Organic Carbon</td> <td rowspan="5">5220D - COD</td> <td rowspan="5">2320B, 300.0_28D</td> <td rowspan="5">6020B_LL - (MOD) Total Metals</td> <td rowspan="5">6010D - Field Filtered Metals (Ca, Fe, Mg, Mn, K, Na)</td> <td rowspan="5">8260D_LL, 8260D_SIM_AK</td> <td rowspan="5">2540C - Solids, Total Dissolved (TDS)</td> <td rowspan="5">300_48HR - Nitrate/Nitrite</td> <td rowspan="5">Total Number of containers</td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - (MOD) Copy Analytes	SM5310D - Total Organic Carbon	5220D - COD	2320B, 300.0_28D	6020B_LL - (MOD) Total Metals	6010D - Field Filtered Metals (Ca, Fe, Mg, Mn, K, Na)	8260D_LL, 8260D_SIM_AK	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	Total Number of containers												
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - (MOD) Copy Analytes	SM5310D - Total Organic Carbon																			5220D - COD	2320B, 300.0_28D	6020B_LL - (MOD) Total Metals	6010D - Field Filtered Metals (Ca, Fe, Mg, Mn, K, Na)	8260D_LL, 8260D_SIM_AK	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	Total Number of containers				
																														City: Bellevue		TAT Requested (days): Standards	
																														State, Zip: WA, 98005-1877		Compliance Project: ☐ Yes ☐ No	
																														Phone: 425-766-3362(Tel)		PO #: Purchase Order not required	
				Email: jestrada@scsengineers.com		WO #:																											
Project Name: Coupeville SW Facility GW Q2 2022		Project #: 58017834		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:																													
Site:		SSOW#:																															
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)		Special Instructions/Note:																							
1025-13		10/25/23		1507		G		Water																									
1025-14		10/25/23		1520				Water																									
1025-15		10/26/23		1042				Water																									
1024-16		10/24/23		1018				Water																									
1024-17		10/24/23		1112				Water																									
1024-18		10/24/23		1203				Water																									
1024-19		10/24/23		1305				Water																									
1024-20		10/24/23		1400				Water																									
1025-21		10/24/23		942				Water																									
1025-22		10/25/23		1022				Water																									
1025-23		10/24/23		1457				Water																									
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																							
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological										☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																							
Deliverable Requested: I, II, III, IV, Other (specify)										Special Instructions/QC Requirements:																							
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:																									
Relinquished by: Alex Deszo				Date/Time: 10/26/23 14:15		Company: SCS		Received by: [Signature] Date/Time: 10/26/23 14:15 Company: EFTN																									
Relinquished by:				Date/Time:		Company:		Received by: Date/Time: Company:																									
Relinquished by:				Date/Time:		Company:		Received by: Date/Time: Company:																									
Custody Seals Intact: ☐ Yes ☐ No				Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																											

Chain of Custody Record

Client Information						Sampler: AD 1 JE			Lab PM: Grant, Katie			Carrier Tracking No(s):			COC No: 580-59092-18230.3																				
Client Contact: Jovany Estrada						Phone: 206-406-3241			E-Mail: Katie.Grant@et.eurofinsus.com			State of Origin: WA			Page: Page 3 of 6																				
Company: SCS Engineers						PWSID:			Analysis Requested							Job #: 04223020.03																			
Address: 2405 140th Avenue NE Suite 107						Due Date Requested:										Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:																			
City: Bellevue						TAT Requested (days): Standard																													
State, Zip: WA, 98005-1877						Compliance Project: Δ Yes Δ No																													
Phone: 425-766-3362(Tel)						PO #: Purchase Order not required																													
Email: jestrada@scsengineers.com						WO #:																													
Project Name: Coupeville SW Facility GW Q2 2022						Project #: 58017834																													
Site:						SSOW#:																													
Sample Identification						Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)							Total Number of containers														
														350.1 - (MOD) Copy Analytes SM5310D - Total Organic Carbon 5220D - COD 2320B, 300.0_28D 6020B_LL - (MOD) Total Metals 6010D - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na) 8260D_LL, 8260D_SIM_AK 2540C - Solids, Total Dissolved (TDS) 300_48HR - Nitrate/Nitrite																					
														S S S N D D A N N																					
1024-24						10/24/23		1534		G		Water		X X X X X X X X X X																					
1026-25						10/26/23		1012				Water		X X X X X X X X X X																					
1025-26						10/25/23		1202				Water																							
1025-27						10/25/23		1107				Water																							
1024-28						10/24/23		1125				Water																							
Trip Blanks						10/26/23		1144		✓		Water		X X X X X X X X X X																					
												Water																							
												Water																							
												Water																							
												Water																							
												Water																							
												Water																							
												Water																							
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological						☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months																													
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:																													
Empty Kit Relinquished by:						Date:						Time:						Method of Shipment:																	
Relinquished by: Alex Deszcz						Date/Time: 10/26/23 14:15						Company: SCS						Received by: [Signature]						Date/Time: 10/26/23 14:15						Company: EBPN					
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:					
Relinquished by:						Date/Time:						Company:						Received by:						Date/Time:						Company:					
Custody Seals Intact:						Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks:																							
Δ Yes Δ No																																			

Therm. ID: 1011 Cor: 3.3 ° Unc: 4.0 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

1/8

Therm. ID: A3 ~~1011~~ Cor: 1.0 ° Unc: 1.7 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

2/8

Therm. ID: 1011 Cor: 6.0 ° Unc: 6.3 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

3/8

Therm. ID: A3 Cor: 5.7 ° Unc: 6.4 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

4/8

Therm. ID: 1011 Cor: 1.5 ° Unc: 1.7 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

5/8

Therm. ID: A3 Cor: 4.0 ° Unc: 4.7 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

6/8

Therm. ID: 1011 Cor: 3.3 ° Unc: 3.4 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

7/8

Therm. ID: A3 Cor: 1.7 ° Unc: 2.4 °
Cooler Dsc: LB FedEx: _____
Packing: Bub UPS: _____
Cust. Seal: Yes No ✓ Lab Cour: _____
Blue Ice Wet Dry, None Other: Client

8/8

ORIGIN ID:TCMA (253) 922-2310
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTING NW
5755 8TH ST E

FIFE, WA 98424
UNITED STATES US

SHIP DATE: 27OCT23
ACTWGT: 53.40 LB
CAD: 989746/CAFE3755

BILL SENDER

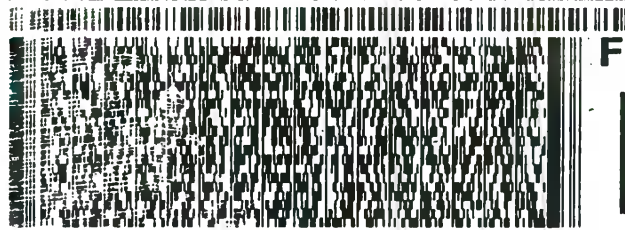
TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING SOUTHW
2841 DOW AVENUE, SUITE 100

ENRCL/PCNR/OFB

TUSTIN CA 92780

(714) 596-5494
PO YES

REF: S580-59459



FedEx
Express



J233023051201 BY

1 of 2

TRK# 7114 8176 6956
00011

MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

WO DTHA

92780
CA-US SNA

Part # 159471-434 MTW EXP 06/24



580-133193 Waybill

Chain of Custody Record

[illegible]

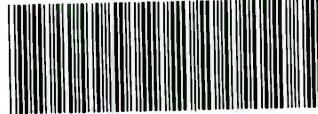
Eurofins Seattle

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-126779.1		
Client Contact: Shipping/Receiving		Phone:		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: Washington		Page: Page 1 of 4		
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Washington				Job #: 580-133193-1		
Address: 2425 New Holland Pike,		Due Date Requested: 11/8/2023		Analysis Requested  580-133193 Chain of Custody				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)		
City: Lancaster		TAT Requested (days):								
State, Zip: PA, 17601		PO #:								
Phone: 717-656-2300(Tel)		WO #:								
Email:										
Project Name: Coupeville SW Facility GW Q2 2022		Project #: 58017834								
Site:		SSOW#:								
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	MATRIX (W=water, S=solid, O=waste/oil, BT=tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	363.2 Pres	Total Number of Containers	Special Instructions/Note:
				Preservation Code:						
1026-01 (580-133193-1)		10/26/23	09:40 Pacific		Water		X		1	
1025-02 (580-133193-2)		10/25/23	10:08 Pacific		Water		X		1	
1024-03 (580-133193-3)		10/24/23	15:11 Pacific		Water		X		1	
1026-05 (580-133193-4)		10/26/23	10:00 Pacific		Water		X		1	
1025-06 (580-133193-5)		10/25/23	12:11 Pacific		Water		X		1	
1024-07 (580-133193-6)		10/24/23	11:14 Pacific		Water		X		1	
1024-08 (580-133193-7)		10/24/23	11:58 Pacific		Water		X		1	
1024-09 (580-133193-8)		10/24/23	13:13 Pacific		Water		X		1	
1024-10 (580-133193-9)		10/24/23	14:20 Pacific		Water		X		1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.										
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2				
						Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:				
Relinquished by: 		Date/Time: 10/27/23 1630		Company: EETN		Received by: 		Date/Time: 10/28/23 9:50		Company:
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:
Custody Seals Intact:		Custody Seal No.:								
Δ Yes Δ No										

Eurofins Seattle

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:			
Client Contact:		Phone:		E-Mail:		State of Origin:		Page:			
Shipping/Receiving				Katie.Grant@et.eurofinsus.com		Washington		Page 2 of 4			
Company:				Accreditations Required (See note):				Job #:			
Eurofins Environment Testing Southwest,				State - Washington				580-133193-1			
Address:		Due Date Requested:		Analysis Requested						Preservation Codes:	
2841 Dow Avenue, Suite 100,		11/8/2023									
City:		TAT Requested (days):									
Tustin											
State, Zip:		PO #:		SM6310D/ Total Organic Carbon		350.1/Distill. Ammonia (MOD) Copy Analytes					
CA, 92780											
Phone:		WO #:									
714-895-5494(Tel)											
Email:											
Project Name:		Project #:									
Coupeville SW Facility GW Q2 2022		58017834									
Site:		SSOW#:									
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note:	
1025-11 (580-133193-10)		10/25/23		13:14 Pacific		Water		X X		2	
1025-12 (580-133193-11)		10/25/23		14:01 Pacific		Water		X X		2	
1025-13 (580-133193-12)		10/25/23		15:07 Pacific		Water		X X		2	
1025-14 (580-133193-13)		10/25/23		15:20 Pacific		Water		X X		2	
1026-15 (580-133193-14)		10/26/23		10:42 Pacific		Water		X X		2	
1024-16 (580-133193-15)		10/24/23		10:18 Pacific		Water		X X		2	
1024-17 (580-133193-16)		10/24/23		11:12 Pacific		Water		X X		2	
1024-18 (580-133193-17)		10/24/23		12:03 Pacific		Water		X X		2	
1024-19 (580-133193-18)		10/24/23		13:05 Pacific		Water		X X		2	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:					
Empty Kit Relinquished by:						Method of Shipment:					
Relinquished by:						Received by:					
Date/Time: 10/27/23 1530						Date/Time: 10/28/23 9:50					
Relinquished by:						Received by:					
Date/Time:						Date/Time:					
Relinquished by:						Received by:					
Date/Time:						Date/Time:					
Custody Seals Intact: ☐ Yes ☐ No						Cooler Temperature(s) °C and Other Remarks: 19/18 SC 12					
Custody Seal No.:						11/10/2023					

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Grant, Katie		Carrier Tracking No(s):		COC No: 580-126779.3																					
Client Contact: Shipping/Receiving		Phone:		E-Mail: Katie.Grant@et.eurofinsus.com		State of Origin: Washington		Page: Page 3 of 4																					
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Washington				Job #: 580-133193-1																					
Address: 2425 New Holland Pike,		Due Date Requested: 11/8/2023		Analysis Requested						Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)																			
City: Lancaster		TAT Requested (days):																											
State, Zip: PA, 17601		PO #:																											
Phone: 717-656-2300(Tel)		WO #:																											
Email:		Project #: 58017834																											
Project Name: Coupeville SW Facility GW Q2 2022		SSOW#:								Other:																			
Site:																													
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=soils/oil, ET=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		353.2_Pres		Total Number of containers		Special Instructions/Note:											
1024-20 (580-133193-19)		10/24/23		14:00 Pacific				Water						X				1											
1025-21 (580-133193-20)		10/25/23		09:42 Pacific				Water						X				1											
1025-22 (580-133193-21)		10/25/23		10:22 Pacific				Water						X				1											
1024-23 (580-133193-22)		10/24/23		14:57 Pacific				Water						X				1											
1026-25 (580-133193-24)		10/26/23		10:12 Pacific				Water						X				1											
1025-26 (580-133193-25)		10/25/23		12:02 Pacific				Water						X				1											
1025-27 (580-133193-26)		10/25/23		11:07 Pacific				Water						X				1											
1024-28 (580-133193-27)		10/24/23		11:25 Pacific				Water						X															
1025-04 (580-133193-29)		10/25/23		14:19 Pacific				Water						X				1											
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.																													
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
Unconfirmed										☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																			
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2																			
Empty Kit Relinquished by:										Special Instructions/QC Requirements:																			
Relinquished by:					Date/Time:					Company:					Received by:					Date/Time:					Company:				
Relinquished by:					Date/Time:					Company:					Received by:					Date/Time:					Company:				
Relinquished by:					Date/Time:					Company:					Received by:					Date/Time:					Company:				
Custody Seals Intact: Δ Yes Δ No										Custody Seal No.:										Cooler Temperature(s) °C and Other Remarks:									

5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

eurofins Environment Testing

Page 157 of 162

11/10/2023

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-133193-1

Login Number: 133193

List Source: Eurofins Seattle

List Number: 1

Creator: Groves, Elizabeth

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	False	Refer to Job Narrative for details.
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-133193-1

Login Number: 133193

List Number: 3

Creator: Yu, Tiffany

List Source: Eurofins Calscience

List Creation: 10/28/23 02:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-133193-1

Login Number: 133193

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 10/28/23 02:22 PM

Creator: Ballard, Megan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-133193-1

Login Number: 133193

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 4

List Creation: 11/09/23 10:29 AM

Creator: Ballard, Megan

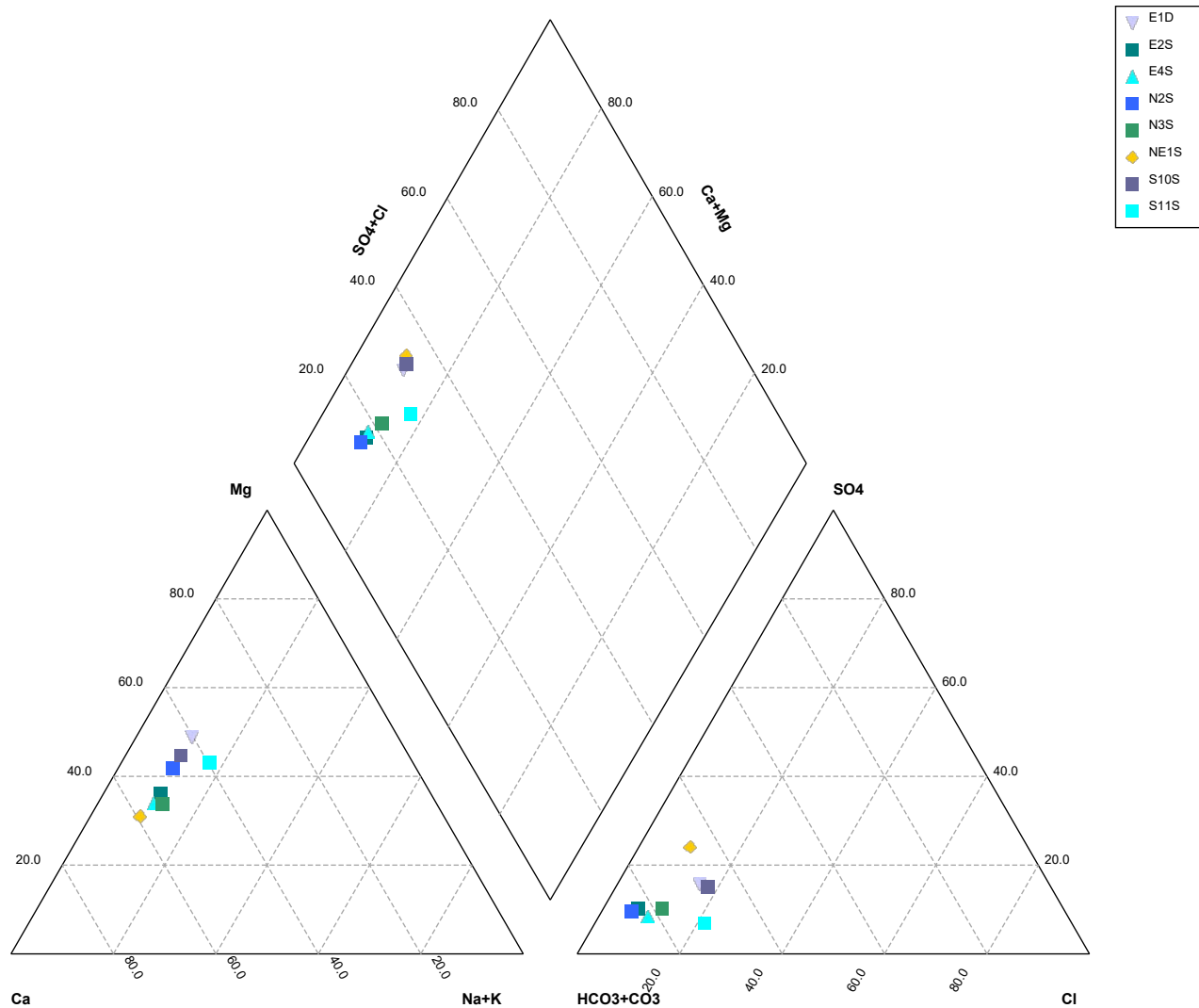
Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	



Appendix C

2023 Groundwater Geochemical Evaluation





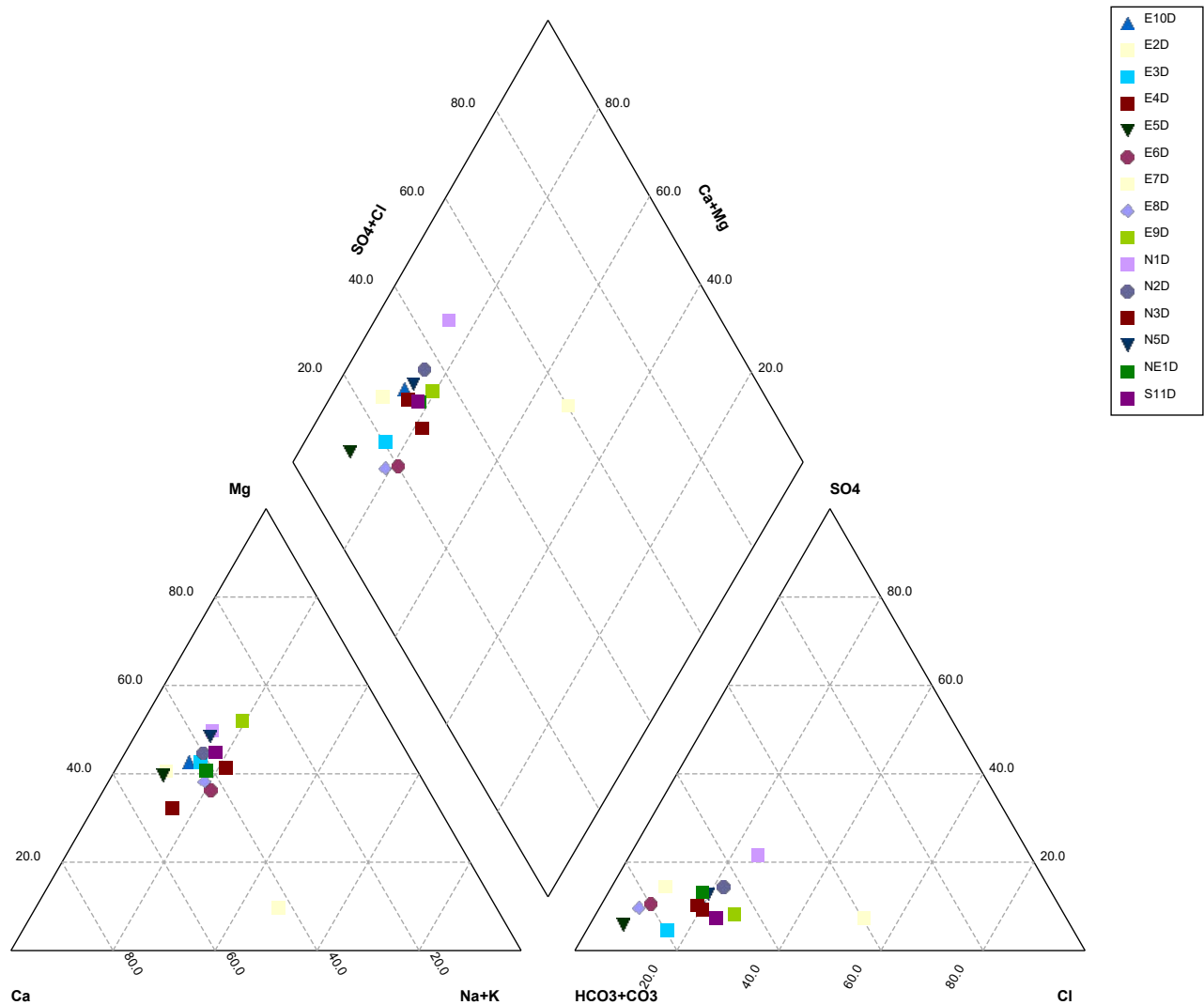
23Q2 Piper Plot – Aquifer 1

Coupeville Solid Waste Facility

Island County Public Works

04223020.03

January 2024



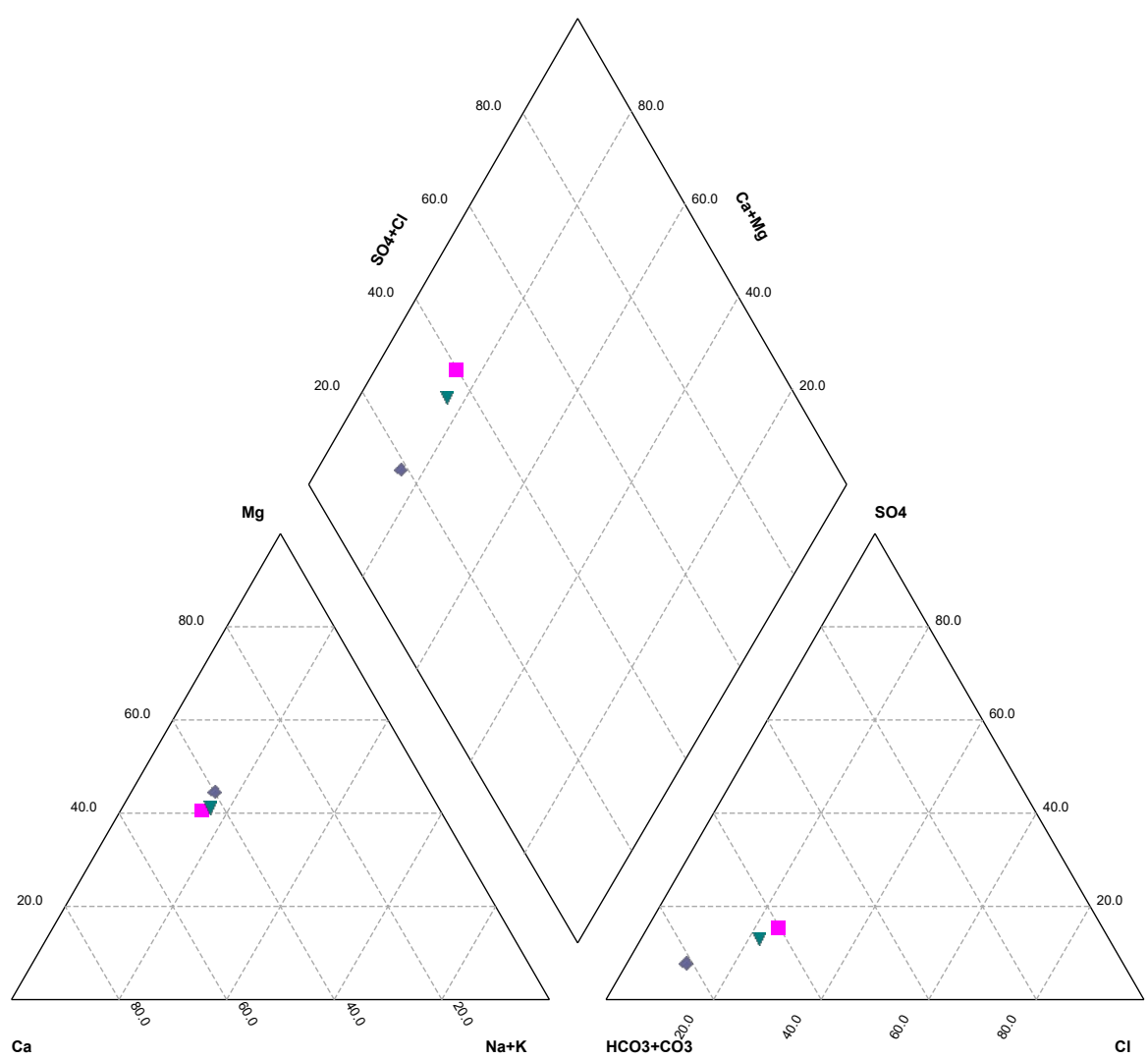
23Q2 Piper Plot – Aquifer 2

Coupeville Solid Waste Facility

Island County Public Works

04223020.03

January 2024



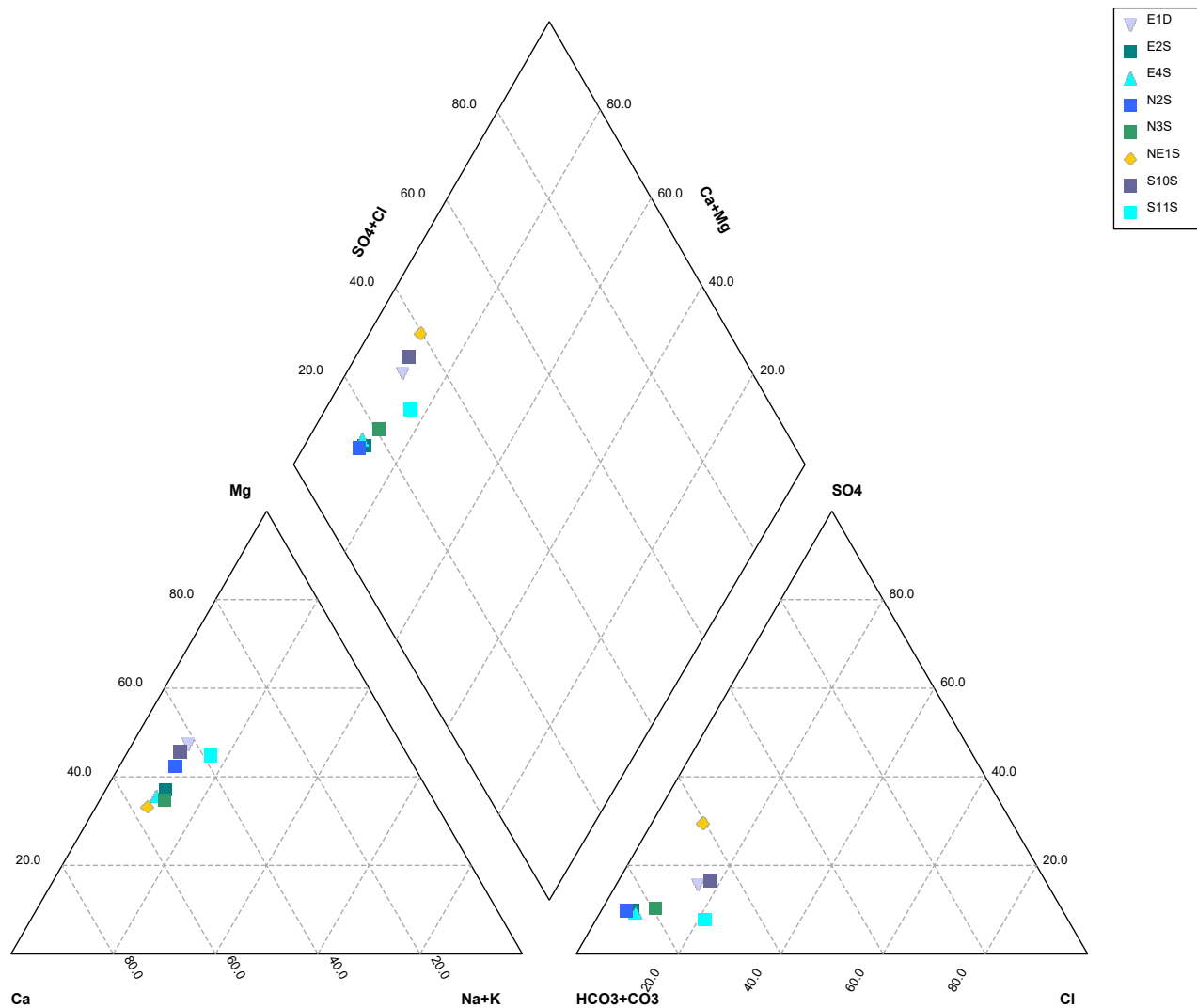
23Q2 Piper Plot – Water Supply Wells

Coupeville Solid Waste Facility

Island County Public Works

04223020.03

January 2024



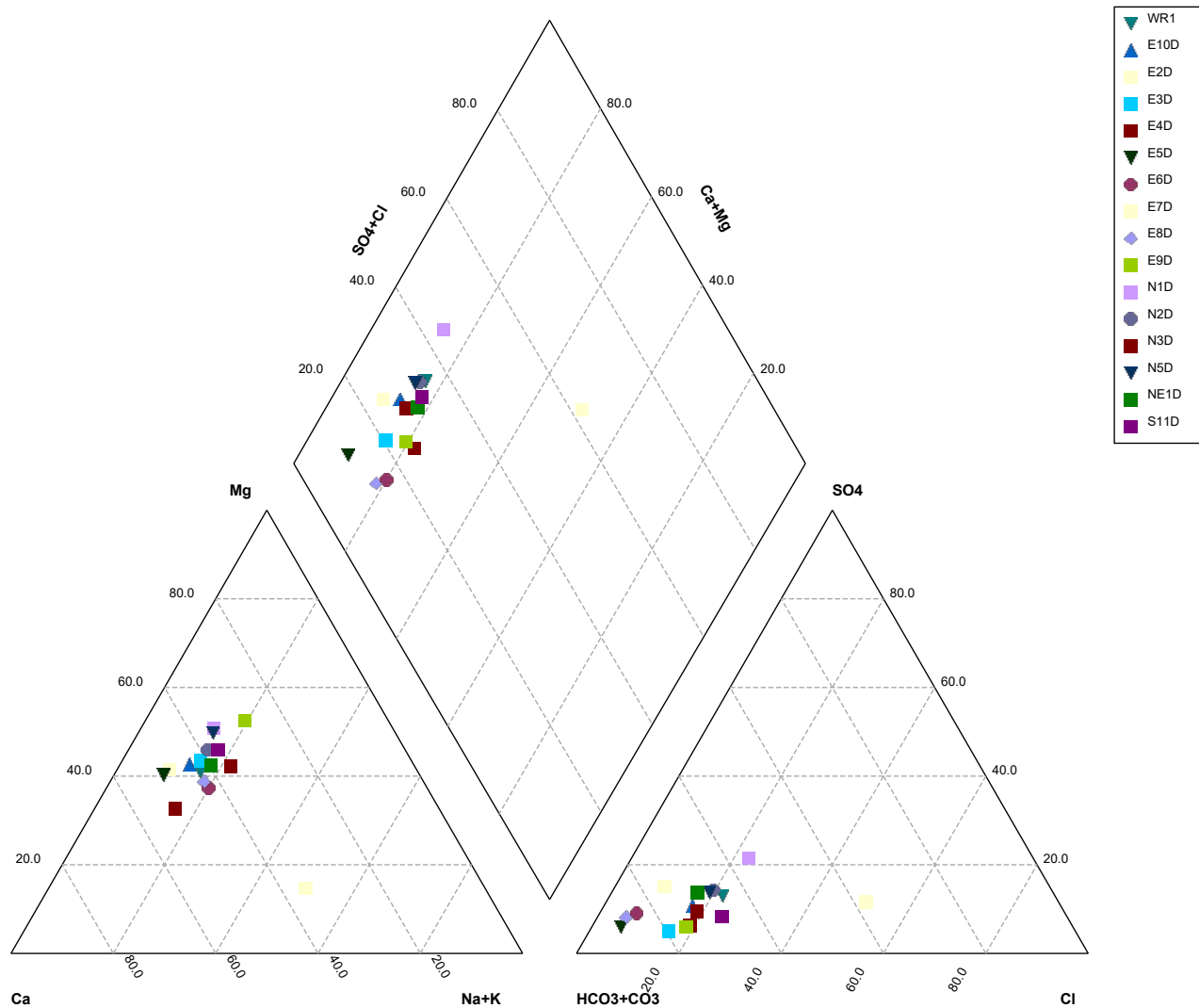
23Q4 Piper Plot – Aquifer 1

Coupeville Solid Waste Facility

Island County Public Works

04223020.03

January 2024



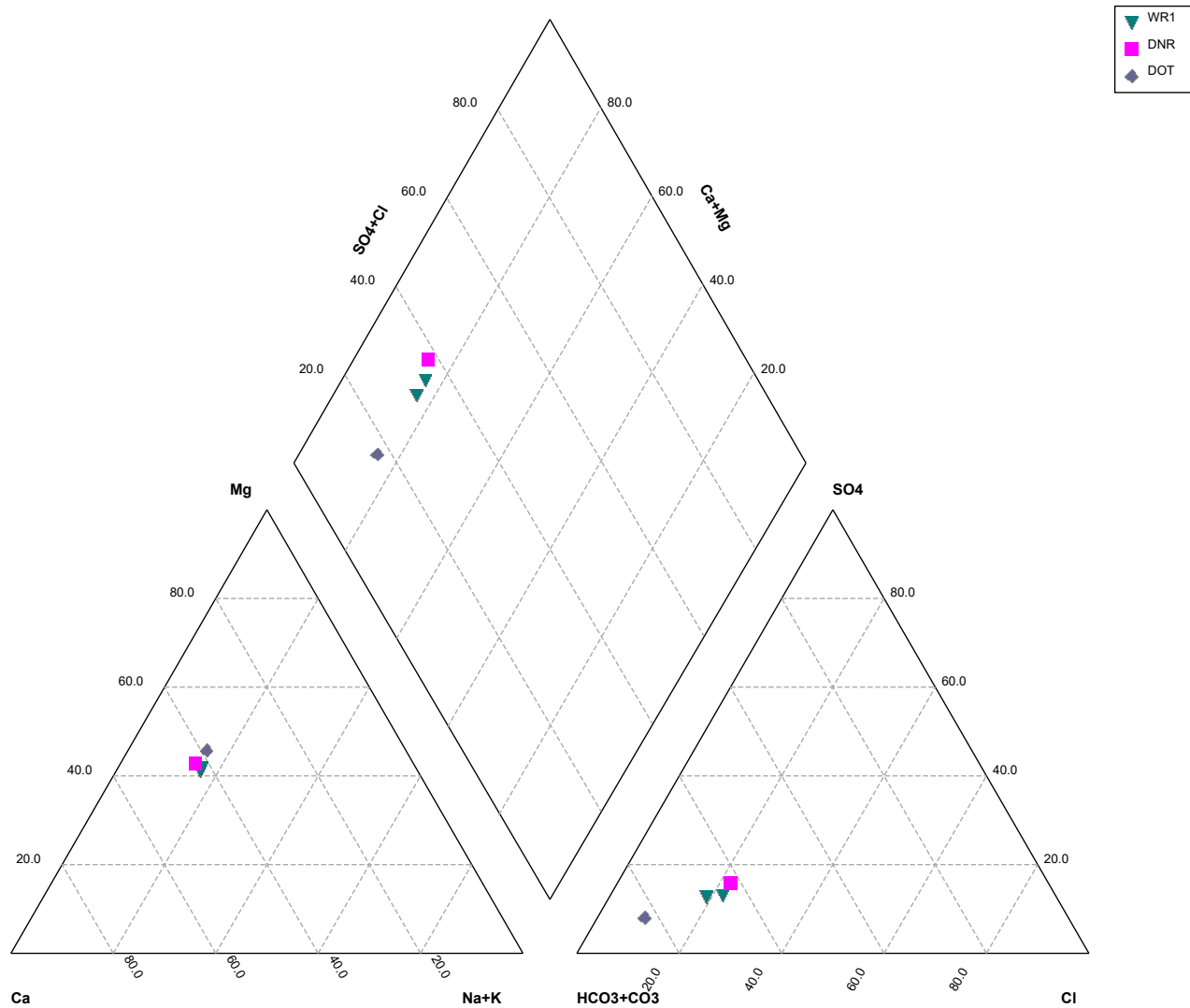
23Q4 Piper Plot – Aquifer 2

Coupeville Solid Waste Facility

Island County Public Works

04223020.03

January 2024



23Q4 Piper Plot – Water Supply Wells

Coupeville Solid Waste Facility

Island County Public Works

04223020.03

January 2024

Cation/Anion Balance

Location
Sample
Date

DNR
4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	<0.01	<0.0004
K	0.02258	5.60	0.143
Ca	0.04990	83.00	4.14
Mg	0.08229	46.00	3.79
Sum of Cations			8.07 meq/L
Cl	0.02821	68.00	1.92
SO4	0.02082	58.00	1.21
NO3	0.01613	0.33	0.01
HCO3	0.01639	290.00	4.75
Sum of Anions			7.88 meq/L
Balance (% difference)			1.17 %

*+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location DOT
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.77	0
Mn	0.0364	0.18	0.0066
K	0.02258	6.50	0.166
Ca	0.04990	65.00	3.24
Mg	0.08229	44.00	3.62
Sum of Cations			7.04 meq/L
Cl	0.02821	25.00	0.71
SO4	0.02082	24.00	0.50
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	320.00	5.24
Sum of Anions			6.45 meq/L
Balance (% difference) *			4.35 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E10D
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.88	0
Mn	0.0364	0.094	0.0034
K	0.02258	7.70	0.197
Ca	0.04990	100.00	4.99
Mg	0.08229	59.00	4.85
Sum of Cations			10.05 meq/L
Cl	0.02821	61.00	1.72
SO4	0.02082	46.00	0.96
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	380.00	6.23
Sum of Anions			8.9 meq/L
Balance (% difference) *			6.00 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E1D
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.059	0.0021
K	0.02258	8.70	0.223
Ca	0.04990	150.00	7.49
Mg	0.08229	110.00	9.05
Sum of Cations			16.76 meq/L
Cl	0.02821	90.00	2.54
SO4	0.02082	120.00	2.50
NO3	0.01613	0.11	0.00
HCO3	0.01639	660.00	10.82
Sum of Anions			15.86 meq/L
Balance (% difference) *			2.77 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E2D
Sample Date 4/26/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.059	0.0021
K	0.02258	7.70	0.197
Ca	0.04990	150.00	7.49
Mg	0.08229	75.00	6.17
Sum of Cations			13.86 meq/L
Cl	0.02821	44.00	1.24
SO4	0.02082	82.00	1.71
NO3	0.01613	16.00	0.26
HCO3	0.01639	540.00	8.85
Sum of Anions			12.06 meq/L
Balance (% difference) *			6.94 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E2S
Sample Date 4/26/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.47	0.0171
K	0.02258	6.90	0.176
Ca	0.04990	140.00	6.99
Mg	0.08229	58.00	4.77
Sum of Cations			11.95 meq/L
Cl	0.02821	25.00	0.71
SO4	0.02082	50.00	1.04
NO3	0.01613	16.00	0.26
HCO3	0.01639	520.00	8.52
Sum of Anions			10.53 meq/L
Balance (% difference) *			6.34 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E3D
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.29	0.0106
K	0.02258	6.50	0.166
Ca	0.04990	66.00	3.29
Mg	0.08229	41.00	3.37
Sum of Cations			6.84 meq/L
Cl	0.02821	38.00	1.07
SO4	0.02082	15.00	0.31
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	330.00	5.41
Sum of Anions			6.8 meq/L
Balance (% difference) *			0.37 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E4S
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	<0.01	<0.0004
K	0.02258	6.30	0.161
Ca	0.04990	150.00	7.49
Mg	0.08229	56.00	4.61
Sum of Cations			12.26 meq/L
Cl	0.02821	35.00	0.99
SO4	0.02082	42.00	0.88
NO3	0.01613	13.00	0.21
HCO3	0.01639	520.00	8.52
Sum of Anions			10.6 meq/L
Balance (% difference) *			7.27 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E5D
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	2.2	0
Mn	0.0364	0.32	0.0116
K	0.02258	8.60	0.220
Ca	0.04990	180.00	8.98
Mg	0.08229	86.00	7.08
Sum of Cations			16.3 meq/L
Cl	0.02821	30.00	0.85
SO4	0.02082	37.00	0.77
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	700.00	11.47
Sum of Anions			13.1 meq/L
Balance (% difference) *			10.89 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location E4D
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.086	0.0031
K	0.02258	11.00	0.281
Ca	0.04990	46.00	2.30
Mg	0.08229	31.00	2.55
Sum of Cations			5.13 meq/L
Cl	0.02821	34.00	0.96
SO4	0.02082	25.00	0.52
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	220.00	3.61
Sum of Anions			5.09 meq/L
Balance (% difference) *			0.44 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location E7D
Sample Date 4/28/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.0026	0.0001
K	0.02258	3.10	0.079
Ca	0.04990	21.00	1.05
Mg	0.08229	2.90	0.24
Sum of Cations			1.366 meq/L
Cl	0.02821	45.00	1.27
SO4	0.02082	8.50	0.18
NO3	0.01613	0.78	0.01
HCO3	0.01639	58.00	0.95
Sum of Anions			2.41 meq/L
Balance (% difference) *			-27.64 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location E8D
Sample Date 4/26/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	1.3	0
Mn	0.0364	0.31	0.0113
K	0.02258	5.00	0.128
Ca	0.04990	52.00	2.59
Mg	0.08229	28.00	2.30
Sum of Cations			5.04 meq/L
Cl	0.02821	14.00	0.39
SO4	0.02082	24.00	0.50
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	260.00	4.26
Sum of Anions			5.16 meq/L
Balance (% difference) *			-1.16 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E9D
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.031	0.0011
K	0.02258	14.00	0.358
Ca	0.04990	30.00	1.50
Mg	0.08229	33.00	2.72
Sum of Cations			4.57 meq/L
Cl	0.02821	44.00	1.24
SO4	0.02082	18.00	0.38
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	180.00	2.95
Sum of Anions			4.57 meq/L
Balance (% difference) *			0.05 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N1D
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.25	0
Mn	0.0364	0.34	0.0124
K	0.02258	9.30	0.238
Ca	0.04990	110.00	5.49
Mg	0.08229	93.00	7.65
Sum of Cations			13.4 meq/L
Cl	0.02821	120.00	3.38
SO4	0.02082	140.00	2.92
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	440.00	7.21
Sum of Anions			13.5 meq/L
Balance (% difference) *			-0.45 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N2S
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	<0.01	<0.0004
K	0.02258	9.60	0.246
Ca	0.04990	150.00	7.49
Mg	0.08229	80.00	6.58
Sum of Cations			14.3 meq/L
Cl	0.02821	25.00	0.71
SO4	0.02082	55.00	1.15
NO3	0.01613	9.40	0.15
HCO3	0.01639	620.00	10.16
Sum of Anions			12.16 meq/L
Balance (% difference) *			8.12 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N2D
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.018	0.0007
K	0.02258	7.80	0.199
Ca	0.04990	99.00	4.94
Mg	0.08229	67.00	5.51
Sum of Cations			10.65 meq/L
Cl	0.02821	80.00	2.26
SO4	0.02082	71.00	1.48
NO3	0.01613	7.20	0.12
HCO3	0.01639	400.00	6.56
Sum of Anions			10.4 meq/L
Balance (% difference) *			1.17 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N3D
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.0027	0.0001
K	0.02258	6.00	0.153
Ca	0.04990	75.00	3.74
Mg	0.08229	28.00	2.30
Sum of Cations			6.2 meq/L
Cl	0.02821	42.00	1.18
SO4	0.02082	26.00	0.54
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	250.00	4.10
Sum of Anions			5.82 meq/L
Balance (% difference) *			3.13 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N3S
Sample Date 4/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	<0.01	<0.0004
K	0.02258	6.10	0.156
Ca	0.04990	120.00	5.99
Mg	0.08229	46.00	3.79
Sum of Cations			9.93 meq/L
Cl	0.02821	34.00	0.96
SO4	0.02082	41.00	0.85
NO3	0.01613	15.00	0.24
HCO3	0.01639	400.00	6.56
Sum of Anions			8.61 meq/L
Balance (% difference) *			7.12 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N5D
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.15	0.0055
K	0.02258	9.80	0.251
Ca	0.04990	110.00	5.49
Mg	0.08229	88.00	7.24
Sum of Cations			12.99 meq/L
Cl	0.02821	95.00	2.68
SO4	0.02082	83.00	1.73
NO3	0.01613	0.06	0.00
HCO3	0.01639	560.00	9.18
Sum of Anions			13.6 meq/L
Balance (% difference) *			-2.26 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location NE1D
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.0081	0.0003
K	0.02258	5.70	0.146
Ca	0.04990	57.00	2.84
Mg	0.08229	34.00	2.80
Sum of Cations			5.79 meq/L
Cl	0.02821	39.00	1.10
SO4	0.02082	38.00	0.79
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	250.00	4.10
Sum of Anions			5.99 meq/L
Balance (% difference) *			-1.71 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location NE1S
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	<0.01	<0.0004
K	0.02258	5.80	0.148
Ca	0.04990	120.00	5.99
Mg	0.08229	38.00	3.13
Sum of Cations			9.26 meq/L
Cl	0.02821	28.00	0.79
SO4	0.02082	92.00	1.92
NO3	0.01613	16.00	0.26
HCO3	0.01639	320.00	5.24
Sum of Anions			8.21 meq/L
Balance (% difference) *			6.04 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location S10S
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	<0.01	<0.0004
K	0.02258	6.10	0.156
Ca	0.04990	110.00	5.49
Mg	0.08229	67.00	5.51
Sum of Cations			11.16 meq/L
Cl	0.02821	64.00	1.81
SO4	0.02082	73.00	1.52
NO3	0.01613	35.00	0.56
HCO3	0.01639	410.00	6.72
Sum of Anions			10.6 meq/L
Balance (% difference) *			2.52 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location S11D
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.17	0
Mn	0.0364	0.17	0.0062
K	0.02258	7.50	0.192
Ca	0.04990	73.00	3.64
Mg	0.08229	53.00	4.36
Sum of Cations			8.2 meq/L
Cl	0.02821	77.00	2.17
SO4	0.02082	32.00	0.67
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	380.00	6.23
Sum of Anions			9.07 meq/L
Balance (% difference) *			-5.01 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location S11S
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.2	0.0073
K	0.02258	6.40	0.164
Ca	0.04990	76.00	3.79
Mg	0.08229	50.00	4.11
Sum of Cations			8.08 meq/L
Cl	0.02821	66.00	1.86
SO4	0.02082	29.00	0.60
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	380.00	6.23
Sum of Anions			8.7 meq/L
Balance (% difference) *			-3.68 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location WR1
Sample Date 4/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	<0.15	<0
Mn	0.0364	0.012	0.0004
K	0.02258	5.60	0.143
Ca	0.04990	82.00	4.09
Mg	0.08229	48.00	3.95
Sum of Cations			8.19 meq/L
Cl	0.02821	59.00	1.66
SO4	0.02082	47.00	0.98
NO3	0.01613	1.50	0.02
HCO3	0.01639	300.00	4.92
Sum of Anions			7.58 meq/L
Balance (% difference) *			3.81 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location DNR
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.42	0
Mn	0.0364	0.19	0.0069
K	0.02258	7.10	0.182
Ca	0.04990	73.00	3.64
Mg	0.08229	51.00	4.20
Sum of Cations			8.03 meq/L
Cl	0.02821	12.00	0.34
SO4	0.02082	25.00	0.52
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	370.00	6.06
Sum of Anions			6.93 meq/L
Balance (% difference) *			7.34 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location E10D
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.98	0
Mn	0.0364	0.097	0.0035
K	0.02258	7.90	0.202
Ca	0.04990	110.00	5.49
Mg	0.08229	64.00	5.27
Sum of Cations			10.96 meq/L
Cl	0.02821	35.00	0.99
SO4	0.02082	47.00	0.98
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	440.00	7.21
Sum of Anions			9.18 meq/L
Balance (% difference) *			8.82 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E5D
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	2.5	0
Mn	0.0364	0.34	0.0124
K	0.02258	9.10	0.233
Ca	0.04990	190.00	9.48
Mg	0.08229	92.00	7.57
Sum of Cations			17.3 meq/L
Cl	0.02821	6.40	0.18
SO4	0.02082	36.00	0.75
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	760.00	12.46
Sum of Anions			13.4 meq/L
Balance (% difference) *			12.72 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E6D
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	2	0
Mn	0.0364	0.61	0.0222
K	0.02258	6.10	0.156
Ca	0.04990	73.00	3.64
Mg	0.08229	38.00	3.13
Sum of Cations			6.95 meq/L
Cl	0.02821	2.70	0.08
SO4	0.02082	4.90	0.10
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	360.00	5.90
Sum of Anions			6.08 meq/L
Balance (% difference) *			6.62 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location E7D
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.53	0
Mn	0.0364	0.087	0.0032
K	0.02258	5.80	0.148
Ca	0.04990	44.00	2.20
Mg	0.08229	9.30	0.77
Sum of Cations			3.11 meq/L
Cl	0.02821	59.00	1.66
SO4	0.02082	57.00	1.19
NO3	0.01613	1.20	0.02
HCO3	0.01639	88.00	1.44
Sum of Anions			4.31 meq/L
Balance (% difference) *			-16.17 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E8D
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	1.5	0
Mn	0.0364	0.33	0.0120
K	0.02258	5.60	0.143
Ca	0.04990	59.00	2.94
Mg	0.08229	31.00	2.55
Sum of Cations			5.65 meq/L
Cl	0.02821	7.00	0.20
SO4	0.02082	23.00	0.48
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	270.00	4.42
Sum of Anions			5.11 meq/L
Balance (% difference) *			5.04 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E9D
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.14	0
Mn	0.0364	0.032	0.0012
K	0.02258	15.00	0.384
Ca	0.04990	33.00	1.65
Mg	0.08229	37.00	3.04
Sum of Cations			5.08 meq/L
Cl	0.02821	24.00	0.68
SO4	0.02082	18.00	0.38
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	190.00	3.11
Sum of Anions			4.17 meq/L
Balance (% difference) *			9.77 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N2D
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.072	0
Mn	0.0364	0.018	0.0007
K	0.02258	8.30	0.212
Ca	0.04990	110.00	5.49
Mg	0.08229	73.00	6.01
Sum of Cations			11.7 meq/L
Cl	0.02821	47.00	1.33
SO4	0.02082	71.00	1.48
NO3	0.01613	4.20	0.07
HCO3	0.01639	460.00	7.54
Sum of Anions			10.41 meq/L
Balance (% difference) *			5.87 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location WR1
Sample Date 7/27/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.21	0
Mn	0.0364	<0.02	<0.0007
K	0.02258	6.00	0.153
Ca	0.04990	89.00	4.44
Mg	0.08229	53.00	4.36
Sum of Cations			8.96 meq/L
Cl	0.02821	32.00	0.90
SO4	0.02082	46.00	0.96
NO3	0.01613	1.90	0.03
HCO3	0.01639	350.00	5.74
Sum of Anions			7.63 meq/L
Balance (% difference) *			8.01 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location DNR
Sample Date 10/26/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.11	0
Mn	0.0364	<0.01	<0.0004
K	0.02258	5.50	0.141
Ca	0.04990	82.00	4.09
Mg	0.08229	50.00	4.11
Sum of Cations			8.35 meq/L
Cl	0.02821	62.00	1.75
SO4	0.02082	60.00	1.25
NO3	0.01613	0.34	0.01
HCO3	0.01639	300.00	4.92
Sum of Anions			7.92 meq/L
Balance (% difference) *			2.62 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location DOT
Sample Date 10/26/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.58	0
Mn	0.0364	0.18	0.0066
K	0.02258	6.60	0.169
Ca	0.04990	66.00	3.29
Mg	0.08229	47.00	3.87
Sum of Cations			7.34 meq/L
Cl	0.02821	22.00	0.62
SO4	0.02082	26.00	0.54
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	340.00	5.57
Sum of Anions			6.74 meq/L
Balance (% difference) *			4.27 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location E10D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.89	0
Mn	0.0364	0.087	0.0032
K	0.02258	7.50	0.192
Ca	0.04990	100.00	4.99
Mg	0.08229	59.00	4.85
Sum of Cations			10.04 meq/L
Cl	0.02821	57.00	1.61
SO4	0.02082	48.00	1.00
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	410.00	6.72
Sum of Anions			9.33 meq/L
Balance (% difference) *			3.68 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E1D
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.84	0
Mn	0.0364	0.052	0.0019
K	0.02258	8.90	0.228
Ca	0.04990	160.00	7.98
Mg	0.08229	110.00	9.05
Sum of Cations			17.27 meq/L
Cl	0.02821	91.00	2.57
SO4	0.02082	120.00	2.50
NO3	0.01613	0.09	0.00
HCO3	0.01639	670.00	10.98
Sum of Anions			16.05 meq/L
Balance (% difference) *			3.65 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E1S
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581		
Mn	0.0364		
K	0.02258		
Ca	0.04990		
Mg	0.08229		
Sum of Cations			meq/L
Cl	0.02821		
SO4	0.02082		
NO3	0.01613	15.00	0.24
HCO3	0.01639		
Sum of Anions			0.242 meq/L
Balance (% difference) *			%

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E2D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.1	0
Mn	0.0364	0.053	0.0019
K	0.02258	7.90	0.202
Ca	0.04990	150.00	7.49
Mg	0.08229	78.00	6.42
Sum of Cations			14.1 meq/L
Cl	0.02821	41.00	1.16
SO4	0.02082	87.00	1.81
NO3	0.01613	15.00	0.24
HCO3	0.01639	550.00	9.01
Sum of Anions			12.22 meq/L
Balance (% difference) *			7.15 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E2S
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.1	0
Mn	0.0364	0.43	0.0157
K	0.02258	7.00	0.179
Ca	0.04990	130.00	6.49
Mg	0.08229	57.00	4.69
Sum of Cations			11.37 meq/L
Cl	0.02821	21.00	0.59
SO4	0.02082	46.00	0.96
NO3	0.01613	6.40	0.10
HCO3	0.01639	500.00	8.19
Sum of Anions			9.85 meq/L
Balance (% difference) *			7.18 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E3D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.063	0
Mn	0.0364	0.23	0.0084
K	0.02258	6.20	0.159
Ca	0.04990	67.00	3.34
Mg	0.08229	43.00	3.54
Sum of Cations			7.05 meq/L
Cl	0.02821	34.00	0.96
SO4	0.02082	15.00	0.31
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	300.00	4.92
Sum of Anions			6.19 meq/L
Balance (% difference) *			6.50 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E4D
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.13	0
Mn	0.0364	0.081	0.0029
K	0.02258	11.00	0.281
Ca	0.04990	45.00	2.25
Mg	0.08229	32.00	2.63
Sum of Cations			5.16 meq/L
Cl	0.02821	31.00	0.87
SO4	0.02082	14.00	0.29
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	210.00	3.44
Sum of Anions			4.61 meq/L
Balance (% difference) *			5.68 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E4S
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.1	0
Mn	0.0364	<0.01	<0.0004
K	0.02258	6.50	0.166
Ca	0.04990	150.00	7.49
Mg	0.08229	60.00	4.94
Sum of Cations			12.6 meq/L
Cl	0.02821	25.00	0.71
SO4	0.02082	45.00	0.94
NO3	0.01613	6.20	0.10
HCO3	0.01639	520.00	8.52
Sum of Anions			10.26 meq/L
Balance (% difference) *			10.17 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location E5D
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	2.3	0
Mn	0.0364	0.32	0.0116
K	0.02258	8.40	0.215
Ca	0.04990	180.00	8.98
Mg	0.08229	88.00	7.24
Sum of Cations			16.45 meq/L
Cl	0.02821	26.00	0.73
SO4	0.02082	37.00	0.77
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	700.00	11.47
Sum of Anions			12.98 meq/L
Balance (% difference) *			11.80 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E6D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	2.2	0
Mn	0.0364	0.53	0.0193
K	0.02258	6.10	0.156
Ca	0.04990	70.00	3.49
Mg	0.08229	37.00	3.04
Sum of Cations			6.71 meq/L
Cl	0.02821	17.00	0.48
SO4	0.02082	29.00	0.60
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	340.00	5.57
Sum of Anions			6.66 meq/L
Balance (% difference) *			0.42 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E7D
Sample Date 10/26/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.27	0
Mn	0.0364	0.14	0.0051
K	0.02258	6.80	0.174
Ca	0.04990	51.00	2.55
Mg	0.08229	13.00	1.07
Sum of Cations			3.79 meq/L
Cl	0.02821	110.00	3.10
SO4	0.02082	34.00	0.71
NO3	0.01613	1.30	0.02
HCO3	0.01639	140.00	2.29
Sum of Anions			6.13 meq/L
Balance (% difference) *			-23.51 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E8D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	1.3	0
Mn	0.0364	0.29	0.0106
K	0.02258	4.90	0.125
Ca	0.04990	53.00	2.64
Mg	0.08229	29.00	2.39
Sum of Cations			5.17 meq/L
Cl	0.02821	12.00	0.34
SO4	0.02082	24.00	0.50
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	320.00	5.24
Sum of Anions			6.09 meq/L
Balance (% difference) *			-8.19 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location E9D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.13	0
Mn	0.0364	0.027	0.0010
K	0.02258	15.00	0.384
Ca	0.04990	30.00	1.50
Mg	0.08229	34.00	2.80
Sum of Cations			4.68 meq/L
Cl	0.02821	41.00	1.16
SO4	0.02082	18.00	0.38
NO3	0.01613	<0.40	<0.01
HCO3	0.01639	290.00	4.75
Sum of Anions			6.29 meq/L
Balance (% difference) *			-14.69 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N1D
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.41	0
Mn	0.0364	0.33	0.0120
K	0.02258	9.00	0.230
Ca	0.04990	110.00	5.49
Mg	0.08229	97.00	7.98
Sum of Cations			13.7 meq/L
Cl	0.02821	110.00	3.10
SO4	0.02082	140.00	2.92
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	460.00	7.54
Sum of Anions			13.56 meq/L
Balance (% difference) *			0.57 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N2D
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.091	0
Mn	0.0364	0.019	0.0007
K	0.02258	8.20	0.210
Ca	0.04990	100.00	4.99
Mg	0.08229	72.00	5.92
Sum of Cations			11.13 meq/L
Cl	0.02821	74.00	2.09
SO4	0.02082	73.00	1.52
NO3	0.01613	4.30	0.07
HCO3	0.01639	430.00	7.05
Sum of Anions			10.72 meq/L
Balance (% difference) *			1.83 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N2S
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.096	0
Mn	0.0364	<0.01	<0.0004
K	0.02258	9.40	0.240
Ca	0.04990	140.00	6.99
Mg	0.08229	77.00	6.34
Sum of Cations			13.56 meq/L
Cl	0.02821	20.00	0.56
SO4	0.02082	54.00	1.13
NO3	0.01613	6.60	0.11
HCO3	0.01639	600.00	9.83
Sum of Anions			11.63 meq/L
Balance (% difference) *			7.68 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N3D
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.29	0
Mn	0.0364	0.027	0.0010
K	0.02258	6.20	0.159
Ca	0.04990	73.00	3.64
Mg	0.08229	28.00	2.30
Sum of Cations			6.11 meq/L
Cl	0.02821	38.00	1.07
SO4	0.02082	26.00	0.54
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	250.00	4.10
Sum of Anions			5.71 meq/L
Balance (% difference) *			3.34 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N3S
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.083	0
Mn	0.0364	<0.01	<0.0004
K	0.02258	5.70	0.146
Ca	0.04990	110.00	5.49
Mg	0.08229	44.00	3.62
Sum of Cations			9.26 meq/L
Cl	0.02821	31.00	0.87
SO4	0.02082	42.00	0.88
NO3	0.01613	8.20	0.13
HCO3	0.01639	410.00	6.72
Sum of Anions			8.6 meq/L
Balance (% difference) *			3.67 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location N5D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.082	0
Mn	0.0364	0.12	0.0044
K	0.02258	9.60	0.246
Ca	0.04990	110.00	5.49
Mg	0.08229	93.00	7.65
Sum of Cations			13.4 meq/L
Cl	0.02821	87.00	2.45
SO4	0.02082	86.00	1.79
NO3	0.01613	0.06	0.00
HCO3	0.01639	530.00	8.69
Sum of Anions			12.93 meq/L
Balance (% difference) *			1.74 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location NE1D
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.064	0
Mn	0.0364	0.0077	0.0003
K	0.02258	5.90	0.151
Ca	0.04990	57.00	2.84
Mg	0.08229	37.00	3.04
Sum of Cations			6.04 meq/L
Cl	0.02821	35.00	0.99
SO4	0.02082	39.00	0.81
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	250.00	4.10
Sum of Anions			5.9 meq/L
Balance (% difference) *			1.19 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location NE1S
Sample Date 10/24/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.077	0
Mn	0.0364	<0.01	<0.0004
K	0.02258	5.40	0.138
Ca	0.04990	110.00	5.49
Mg	0.08229	39.00	3.21
Sum of Cations			8.84 meq/L
Cl	0.02821	24.00	0.68
SO4	0.02082	96.00	2.00
NO3	0.01613	7.10	0.11
HCO3	0.01639	250.00	4.10
Sum of Anions			6.89 meq/L
Balance (% difference) *			12.39 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location S10S
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.084	0
Mn	0.0364	<0.01	<0.0004
K	0.02258	5.90	0.151
Ca	0.04990	110.00	5.49
Mg	0.08229	69.00	5.68
Sum of Cations			11.32 meq/L
Cl	0.02821	59.00	1.66
SO4	0.02082	74.00	1.54
NO3	0.01613	18.00	0.29
HCO3	0.01639	370.00	6.06
Sum of Anions			9.56 meq/L
Balance (% difference) *			8.42 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location S11D
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.35	0
Mn	0.0364	0.15	0.0055
K	0.02258	6.90	0.176
Ca	0.04990	71.00	3.54
Mg	0.08229	54.00	4.44
Sum of Cations			8.17 meq/L
Cl	0.02821	71.00	2.00
SO4	0.02082	33.00	0.69
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	340.00	5.57
Sum of Anions			8.26 meq/L
Balance (% difference) *			-0.58 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] * 100$

Cation/Anion Balance

Location S11S
Sample Date 10/25/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.14	0
Mn	0.0364	0.17	0.0062
K	0.02258	6.10	0.156
Ca	0.04990	74.00	3.69
Mg	0.08229	52.00	4.28
Sum of Cations			8.13 meq/L
Cl	0.02821	61.00	1.72
SO4	0.02082	30.00	0.63
NO3	0.01613	<0.05	<0.00
HCO3	0.01639	350.00	5.74
Sum of Anions			8.08 meq/L
Balance (% difference) *			0.32 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Cation/Anion Balance

Location WR1
Sample Date 10/26/2023

Major Ions	Conversion Factor +	mg/l	meq/l
Na	0.04350		
Fe	0.03581	0.15	0
Mn	0.0364	<0.01	<0.0004
K	0.02258	5.70	0.146
Ca	0.04990	81.00	4.04
Mg	0.08229	49.00	4.03
Sum of Cations			8.22 meq/L
Cl	0.02821	53.00	1.49
SO4	0.02082	48.00	1.00
NO3	0.01613	1.80	0.03
HCO3	0.01639	330.00	5.41
Sum of Anions			7.93 meq/L
Balance (% difference) *			1.78 %

+ mg/l to meq/l

* $[(\text{Total anions} - \text{Total cations}) / (\text{Total anions} + \text{Total cations})] \times 100$

Table C1 - pH Times Series - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

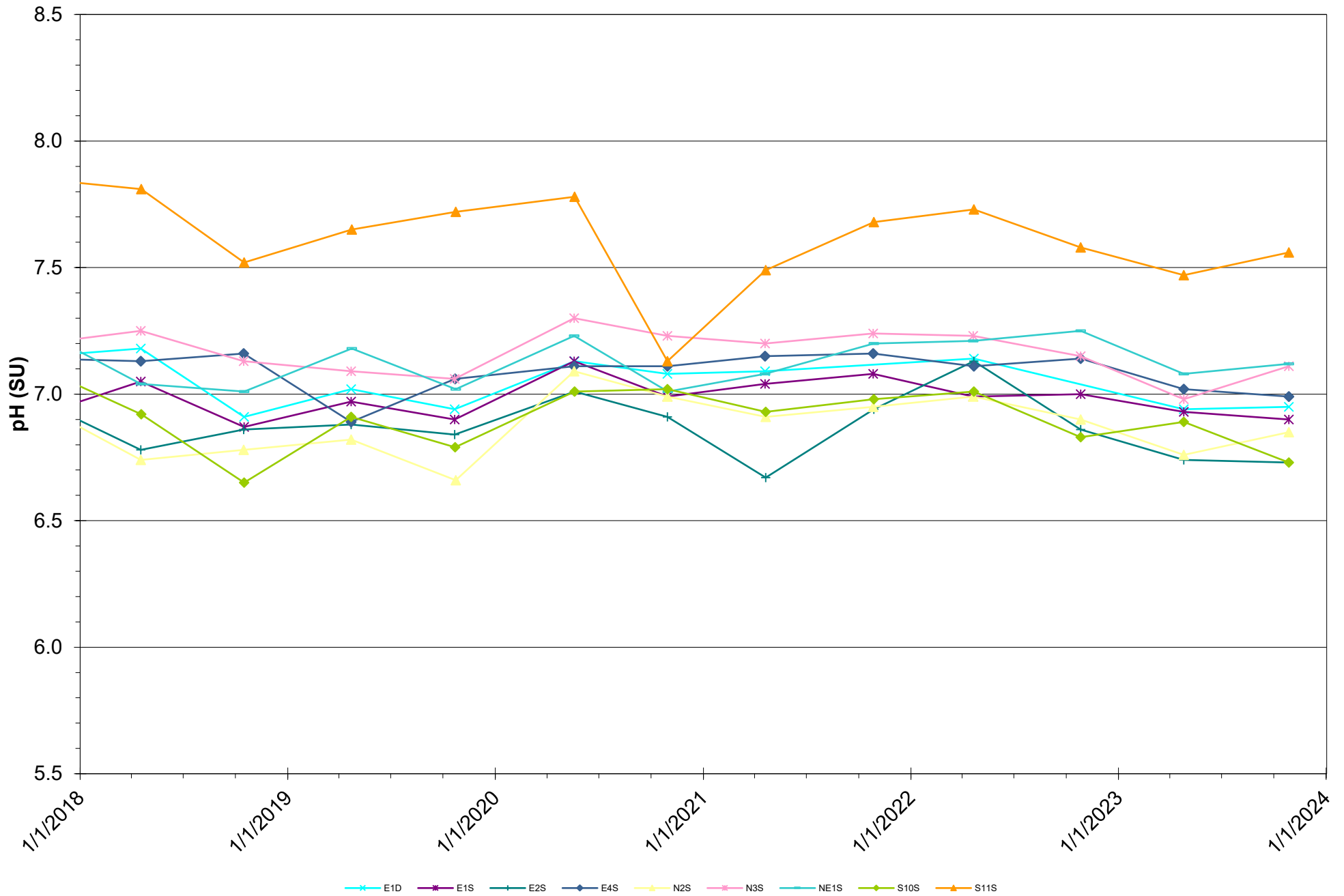


Table C2 - pH Times Series - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

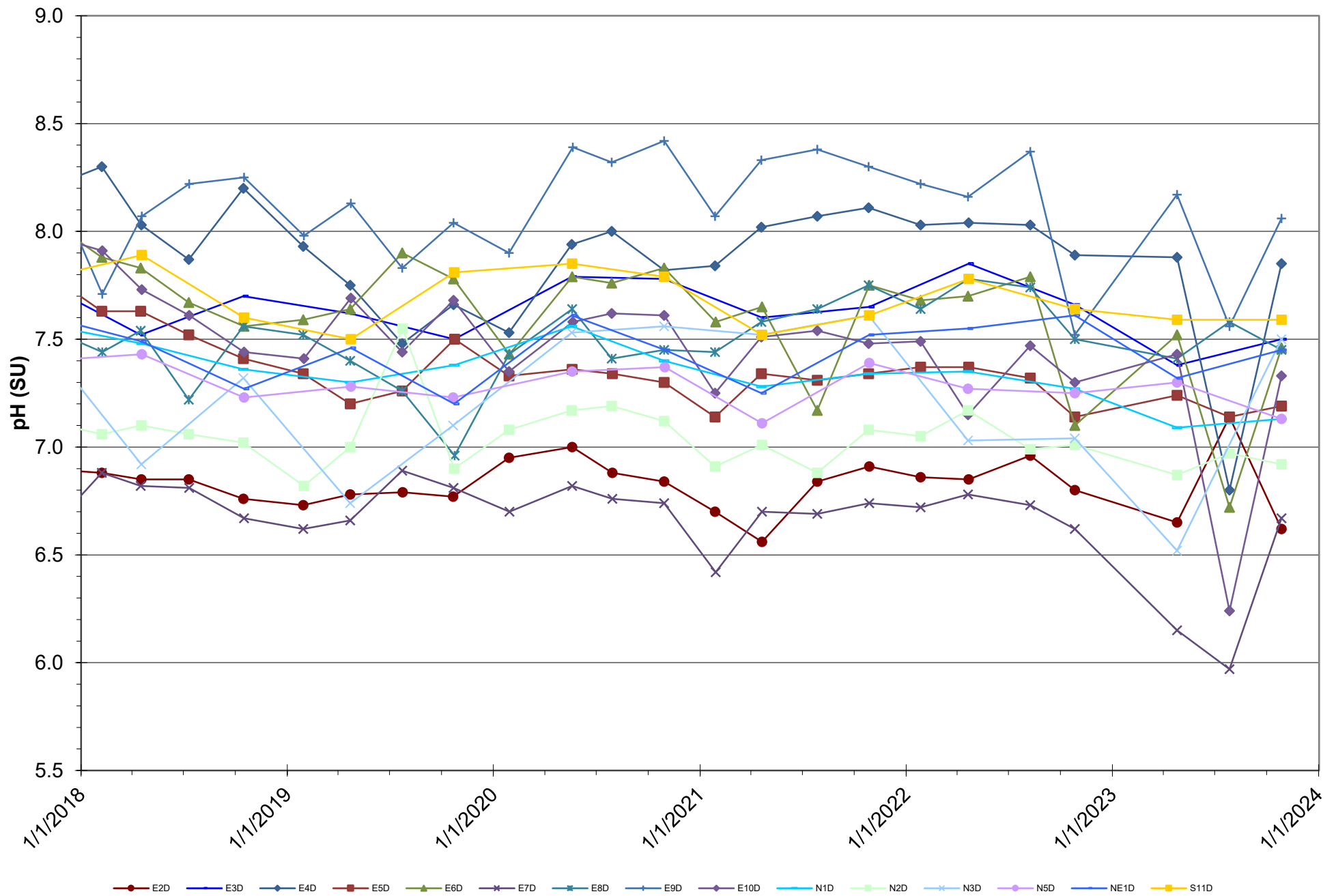


Table C3 - pH Times Series - Pumping Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

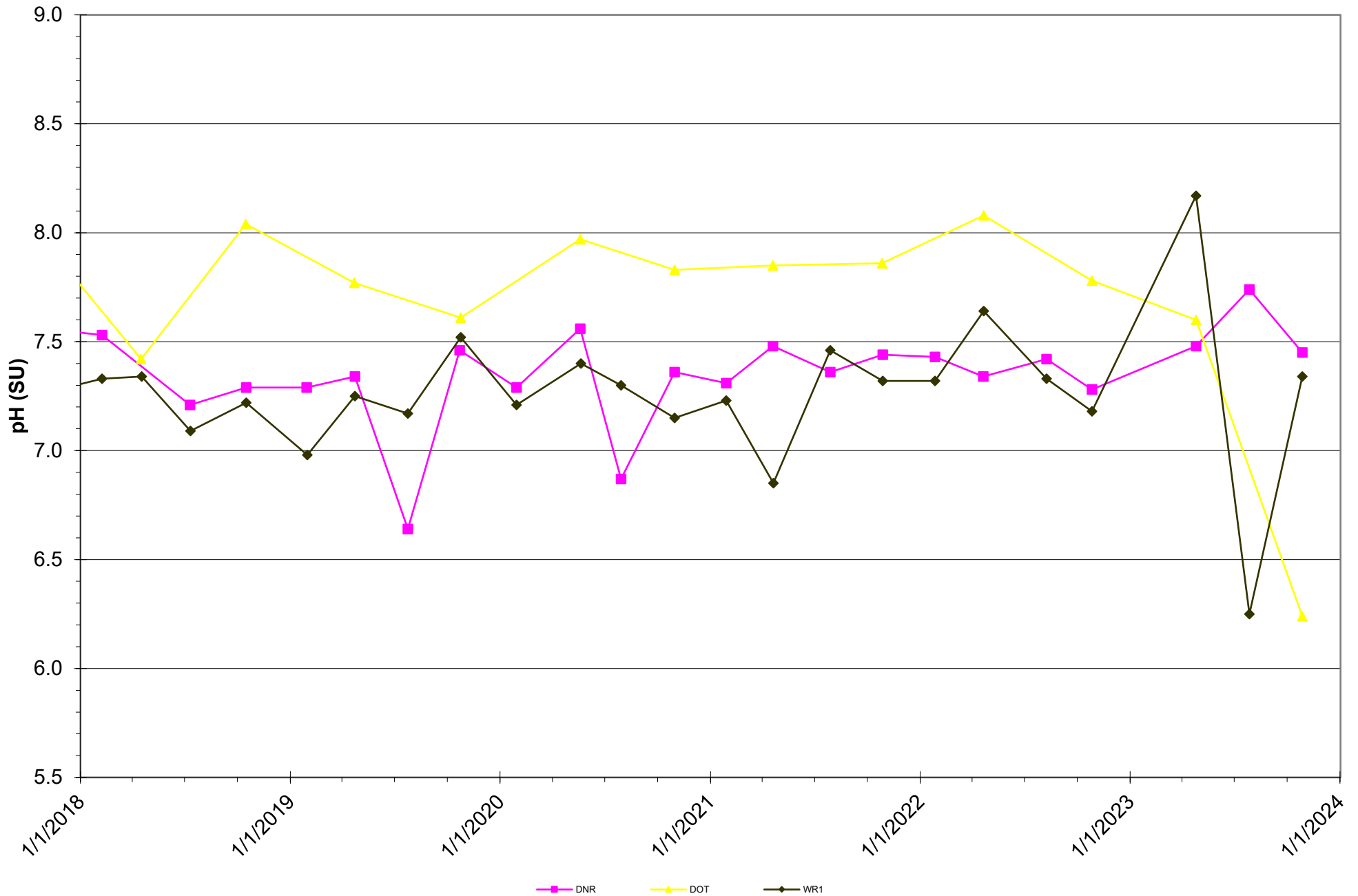


Table C4 - Specific Conductivity Time Series - Aquifer 1
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

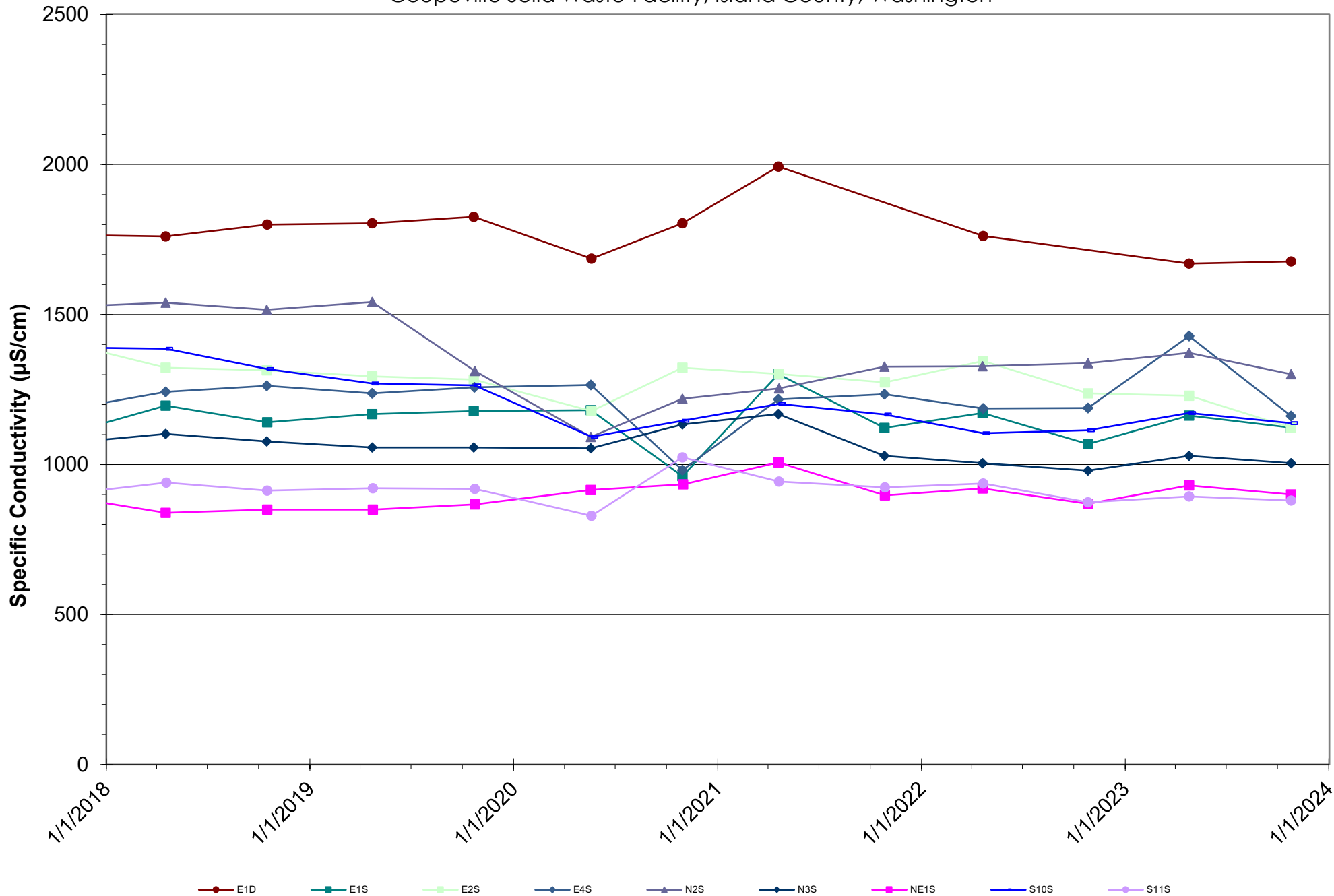


Table C5 - Specific Conductivity Time Series - Aquifer 2
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

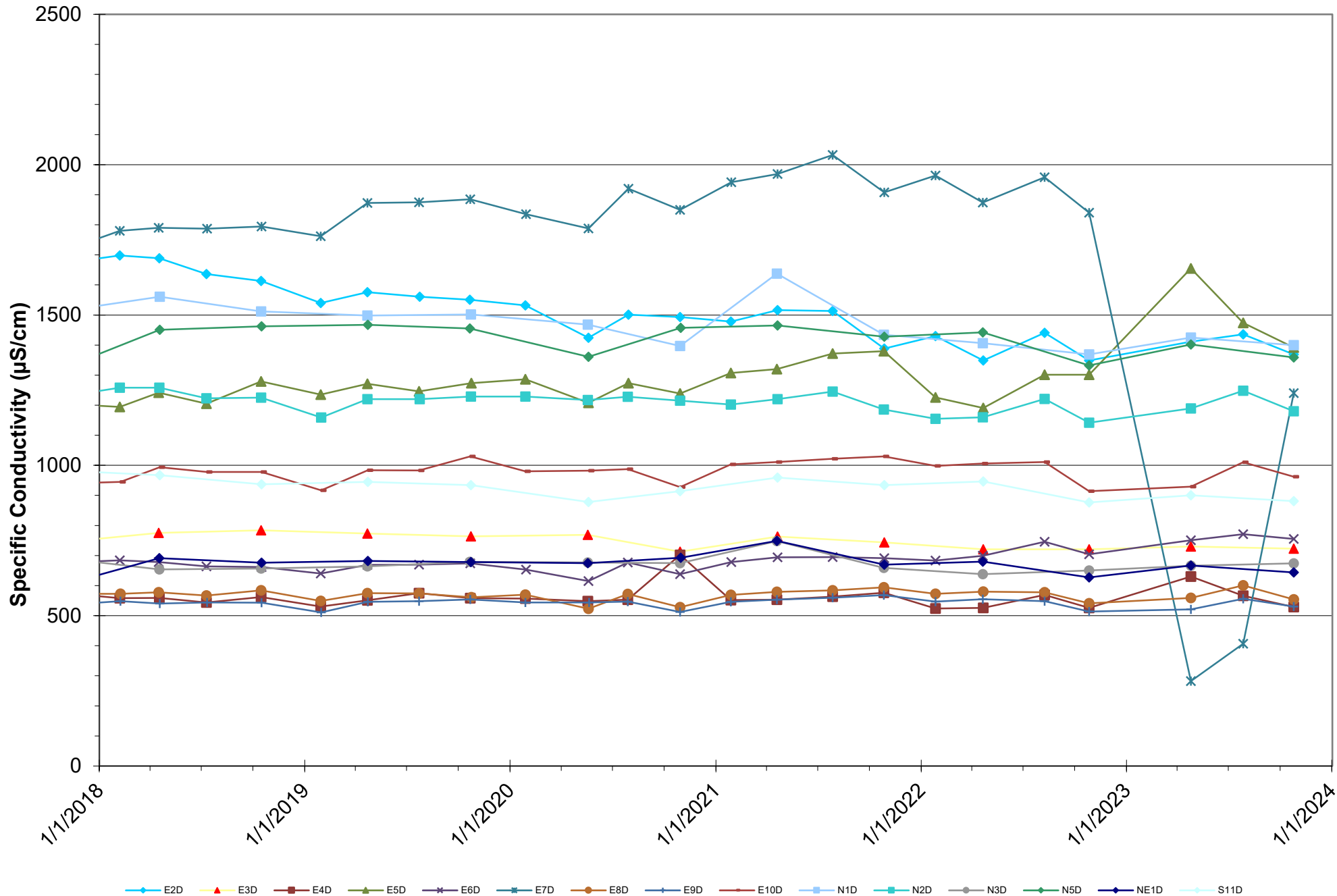


Table C6 - Specific Conductivity Time Series - Pumping Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

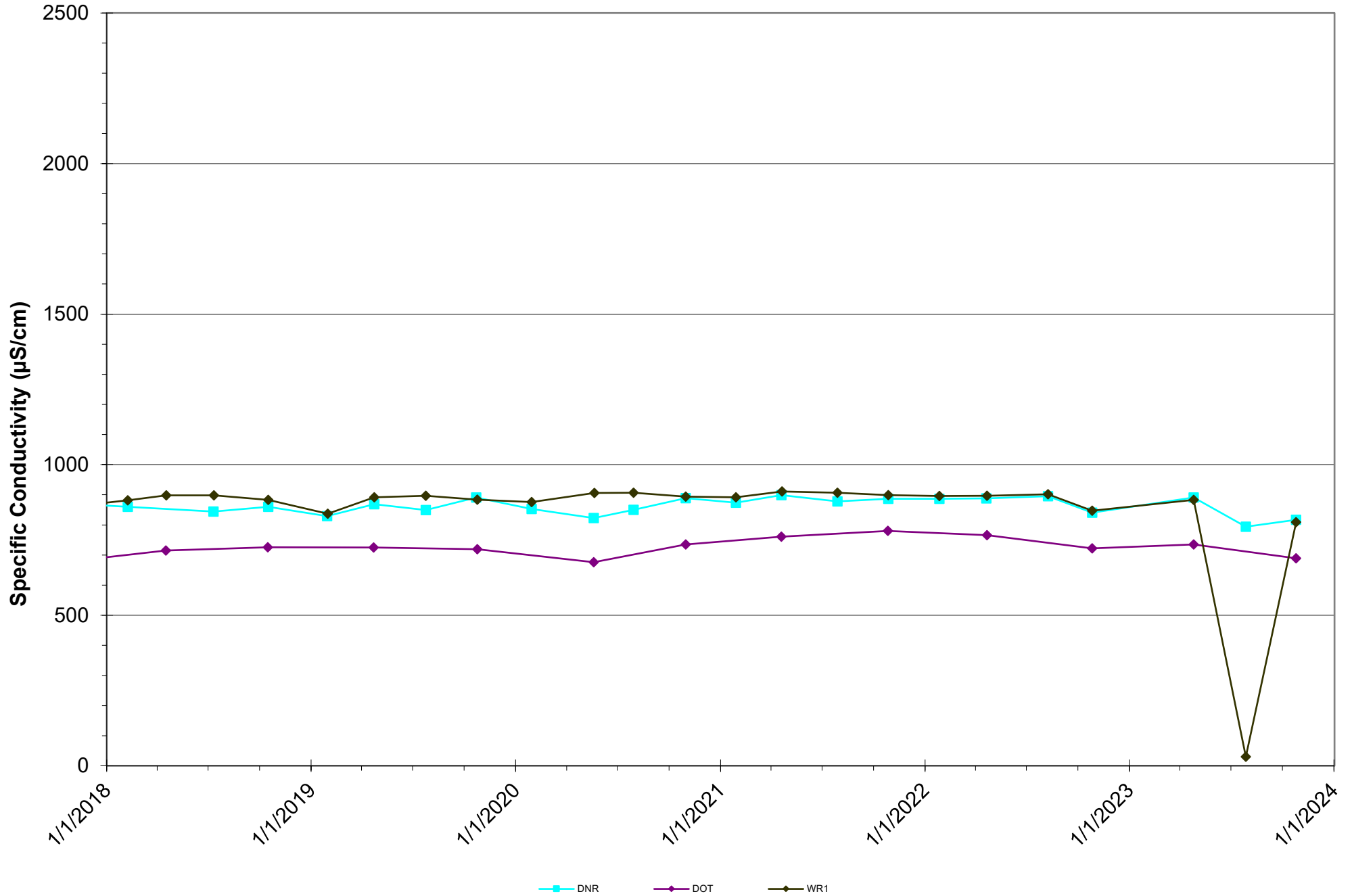


Table C7 - Alkalinity Time Series - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

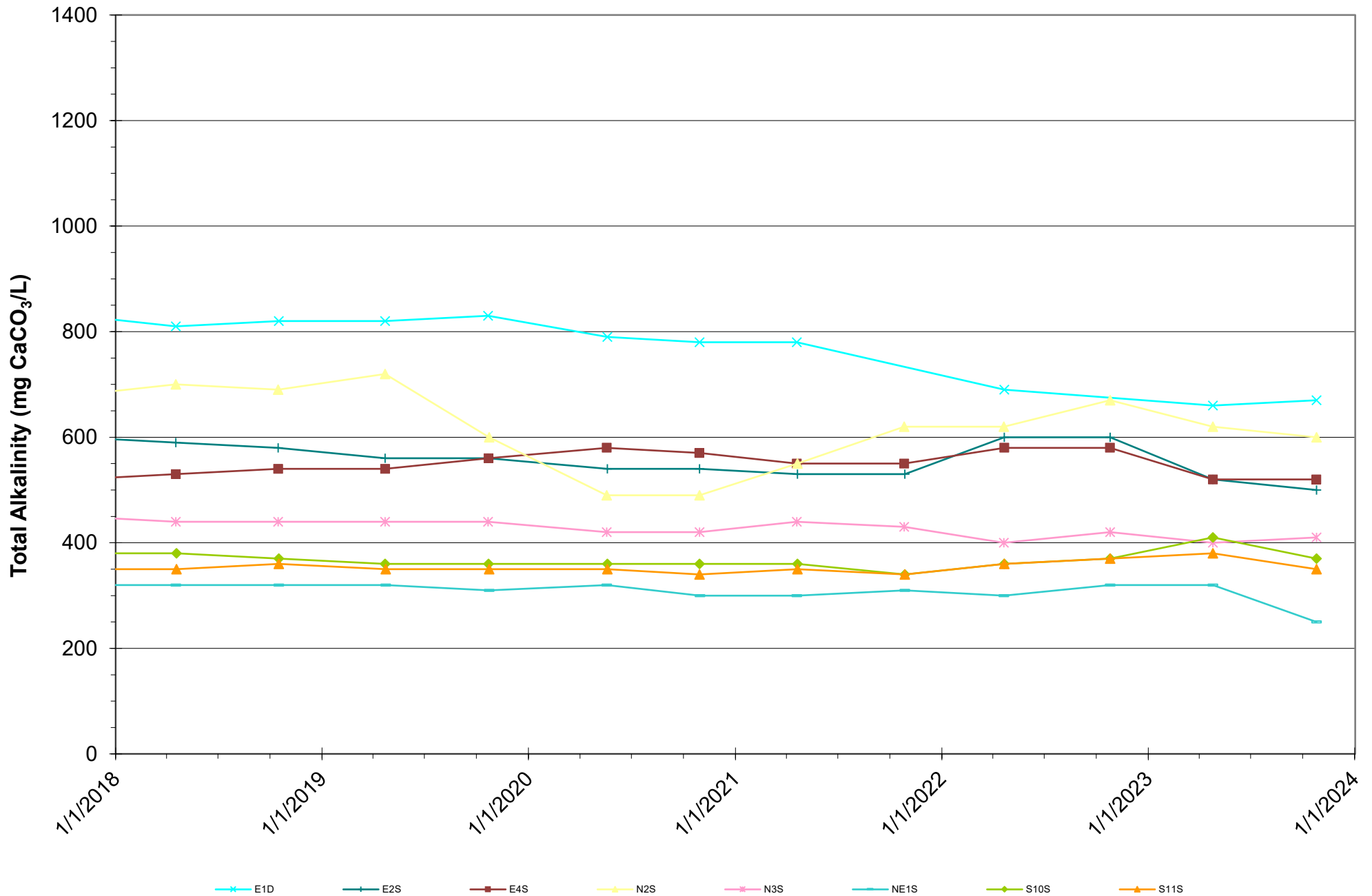


Table C8 - Alkalinity Time Series - Aquifer 2
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

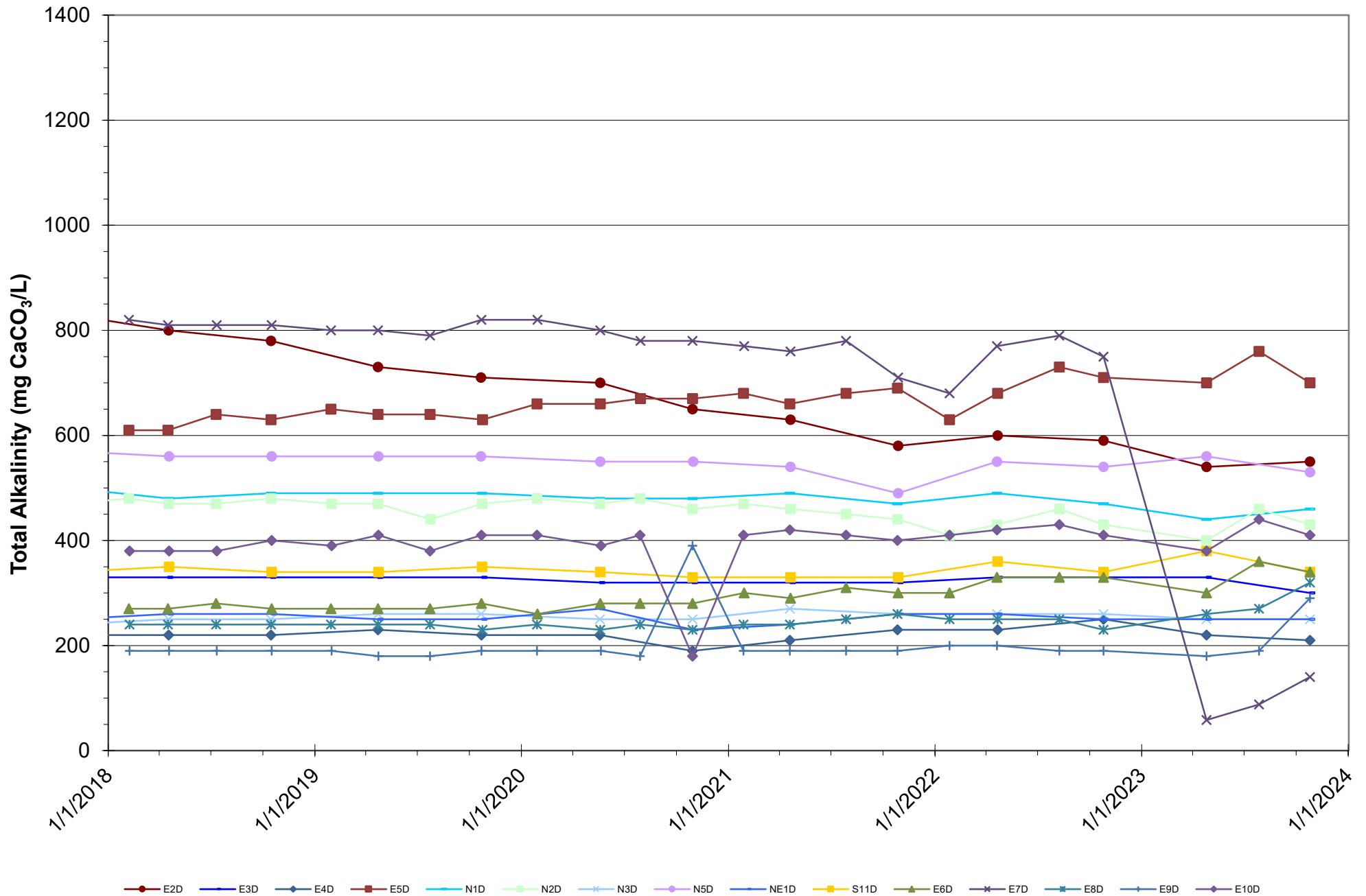


Table C9 - Total Alkalinity Time Series - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

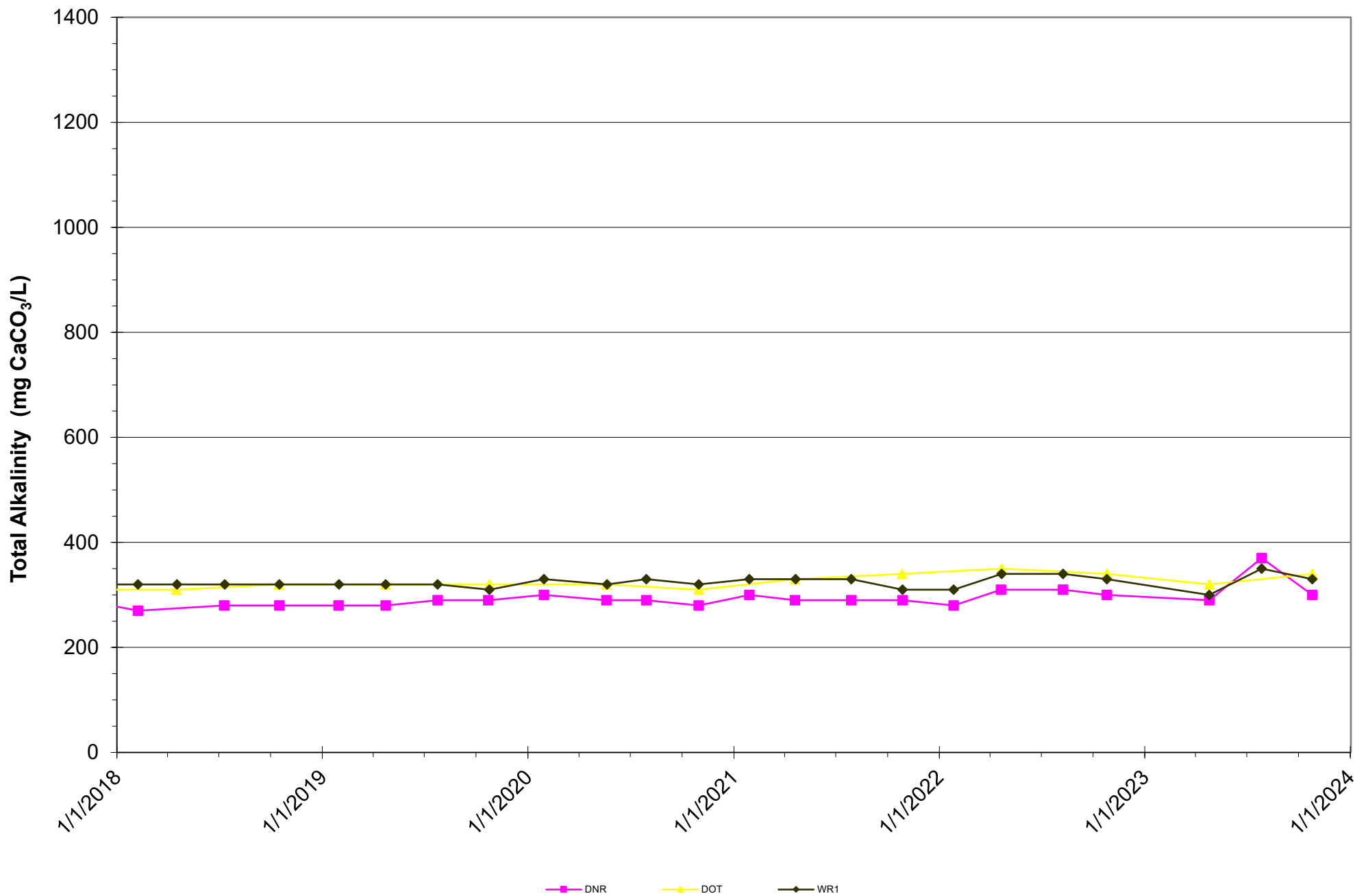


Table C10 - Chloride Time Series - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

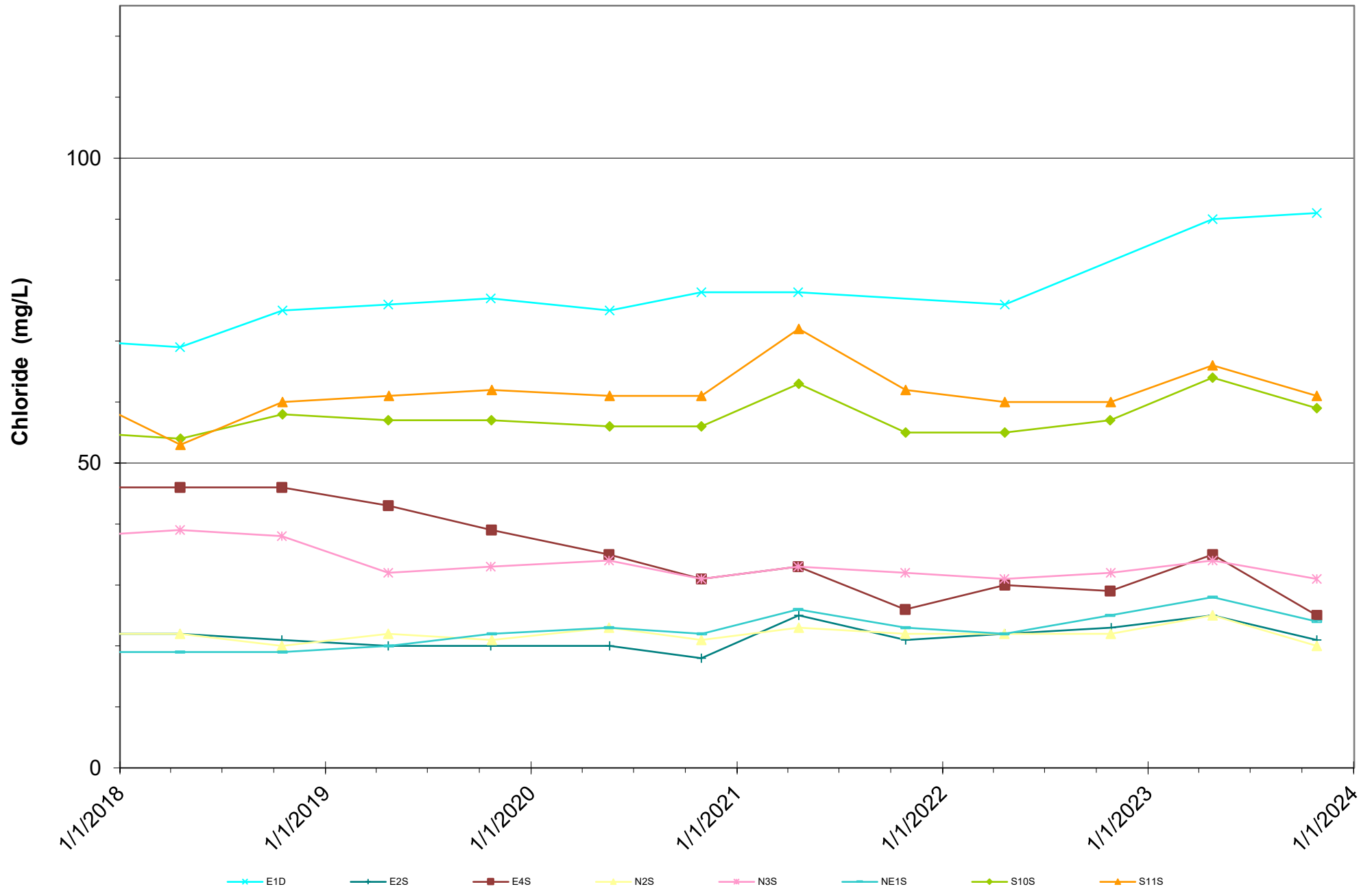


Table C11 - Chloride Time Series - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

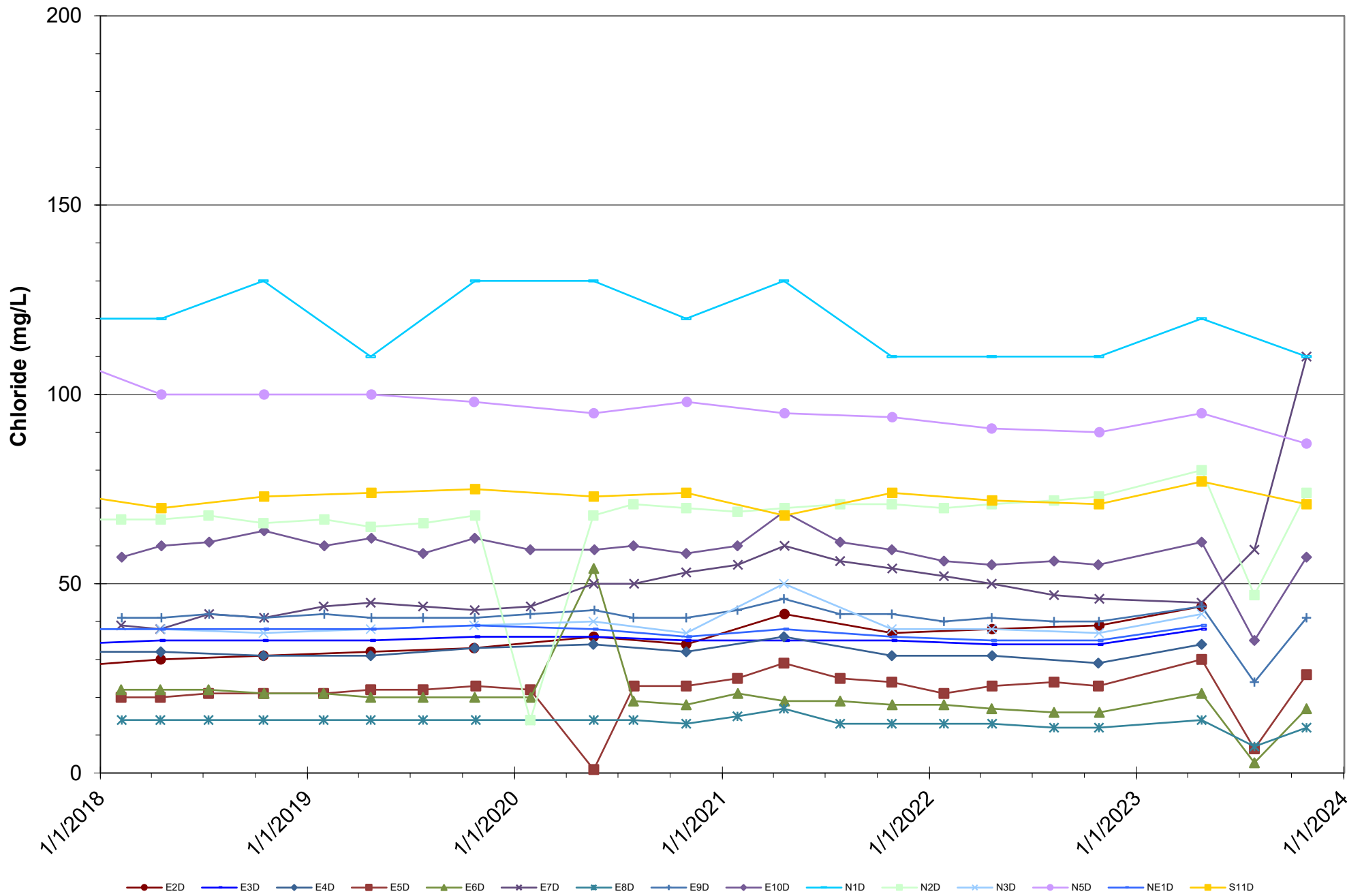
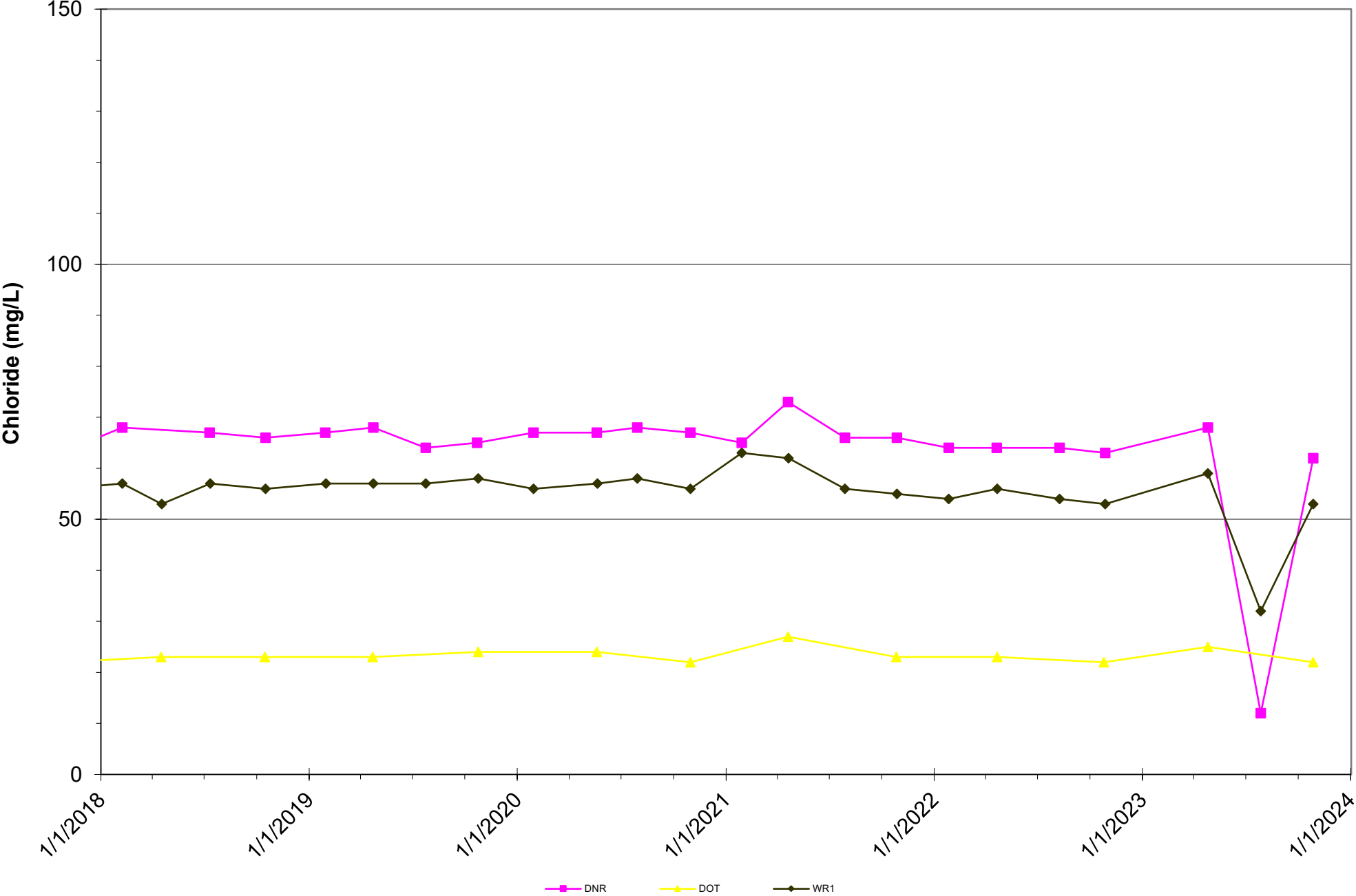


Table C12 - Chloride Time Series - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington



Tables C13 - Sulfate Time Series - Aquifer 1
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

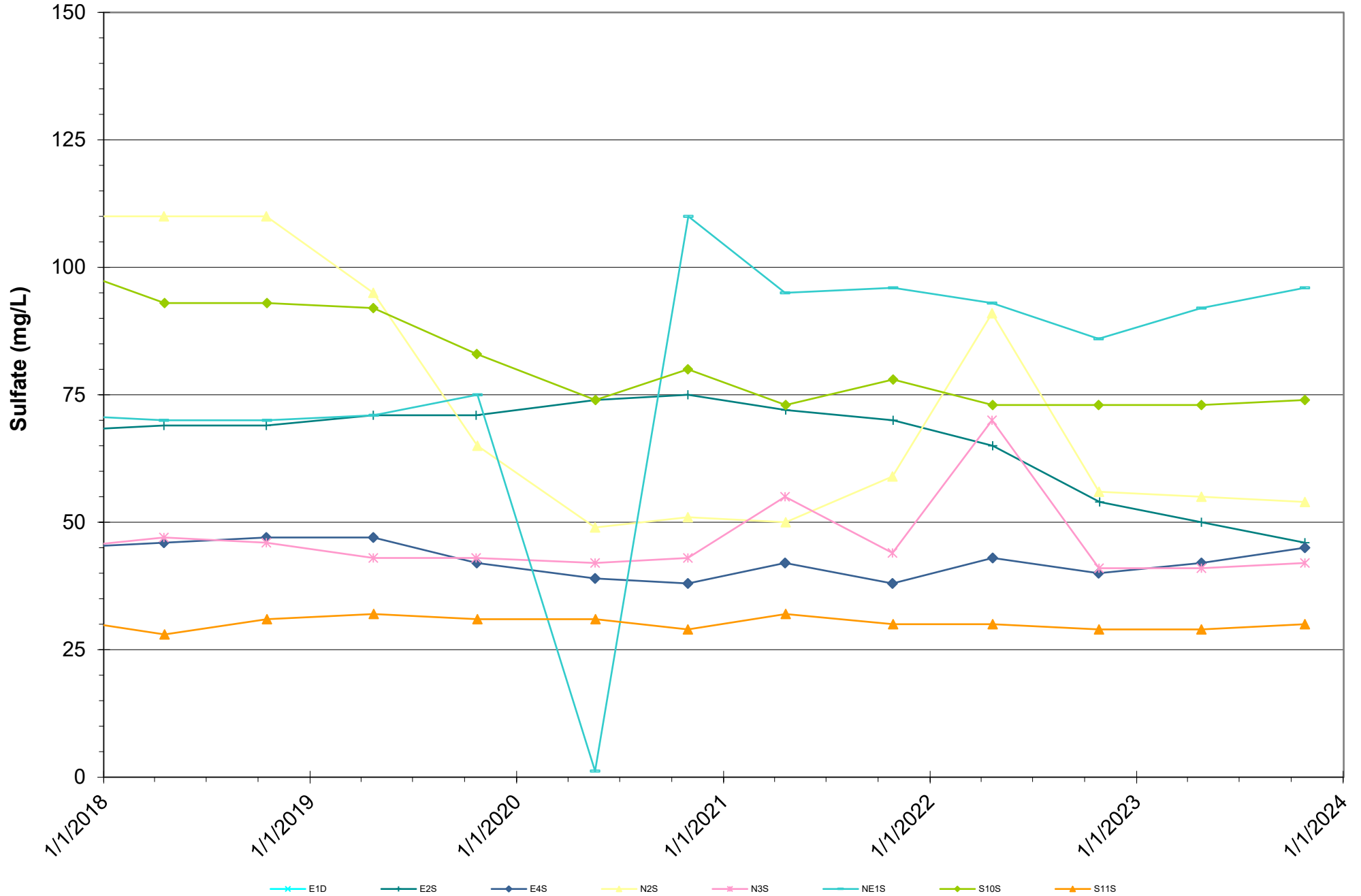


Table C14 - Sulfate Time Series - Aquifer 2
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

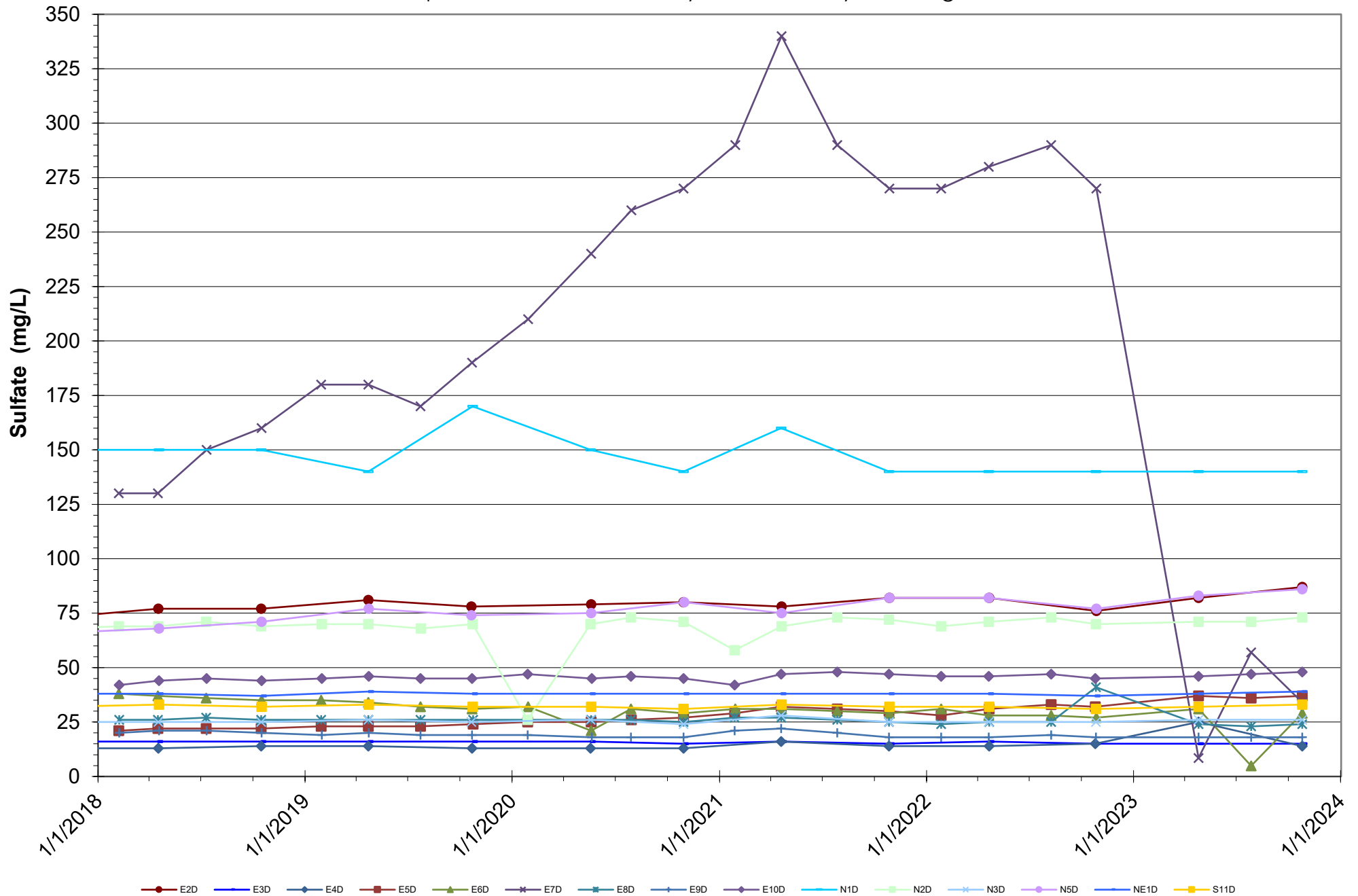


Table C15 - Sulfate Time Series - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

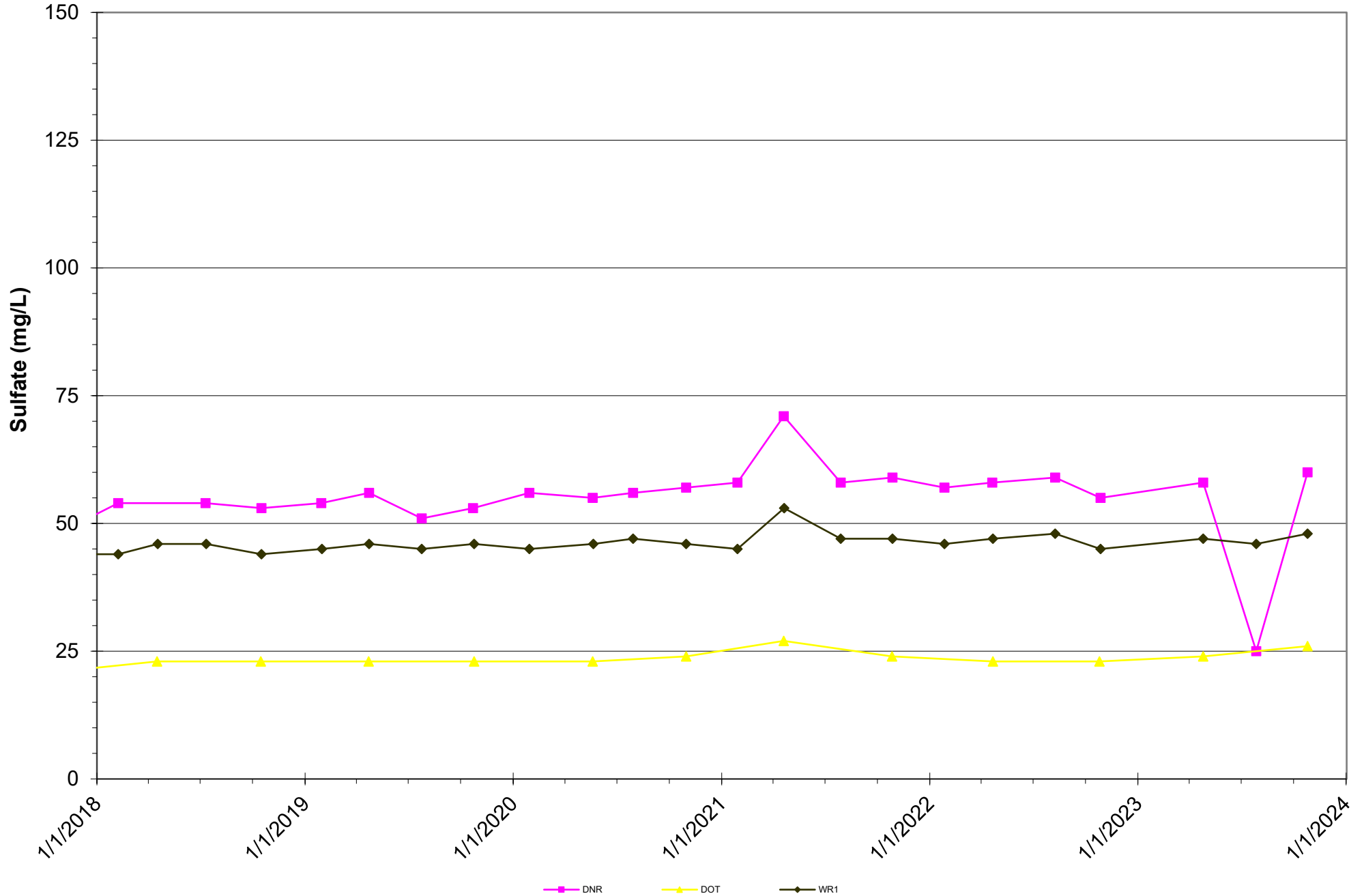


Table C16 - Total Dissolved Solids Time Series - Aquifer 1
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

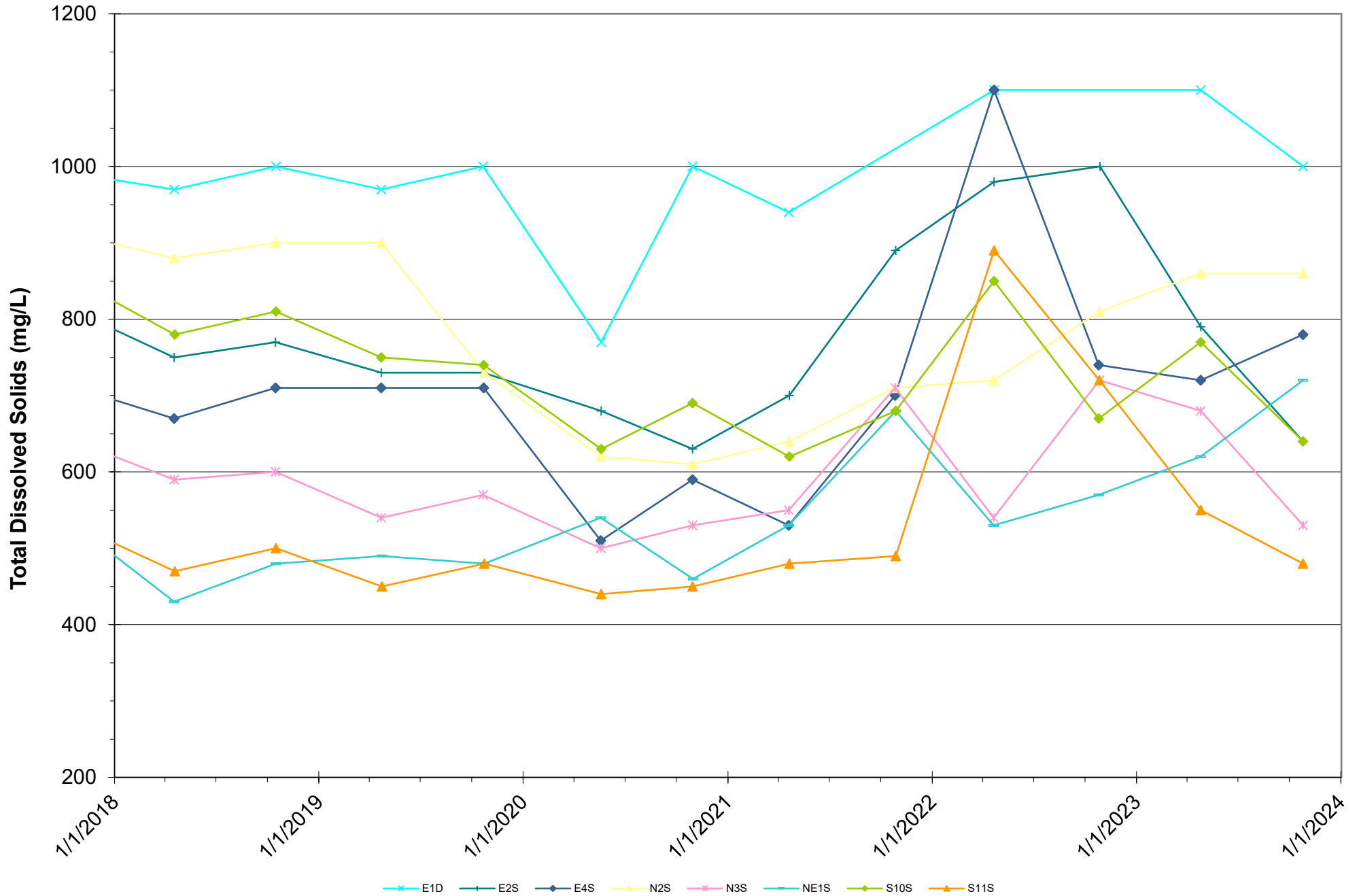


Table C17 - Total Dissolved Solids Time Series - Aquifer 2
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

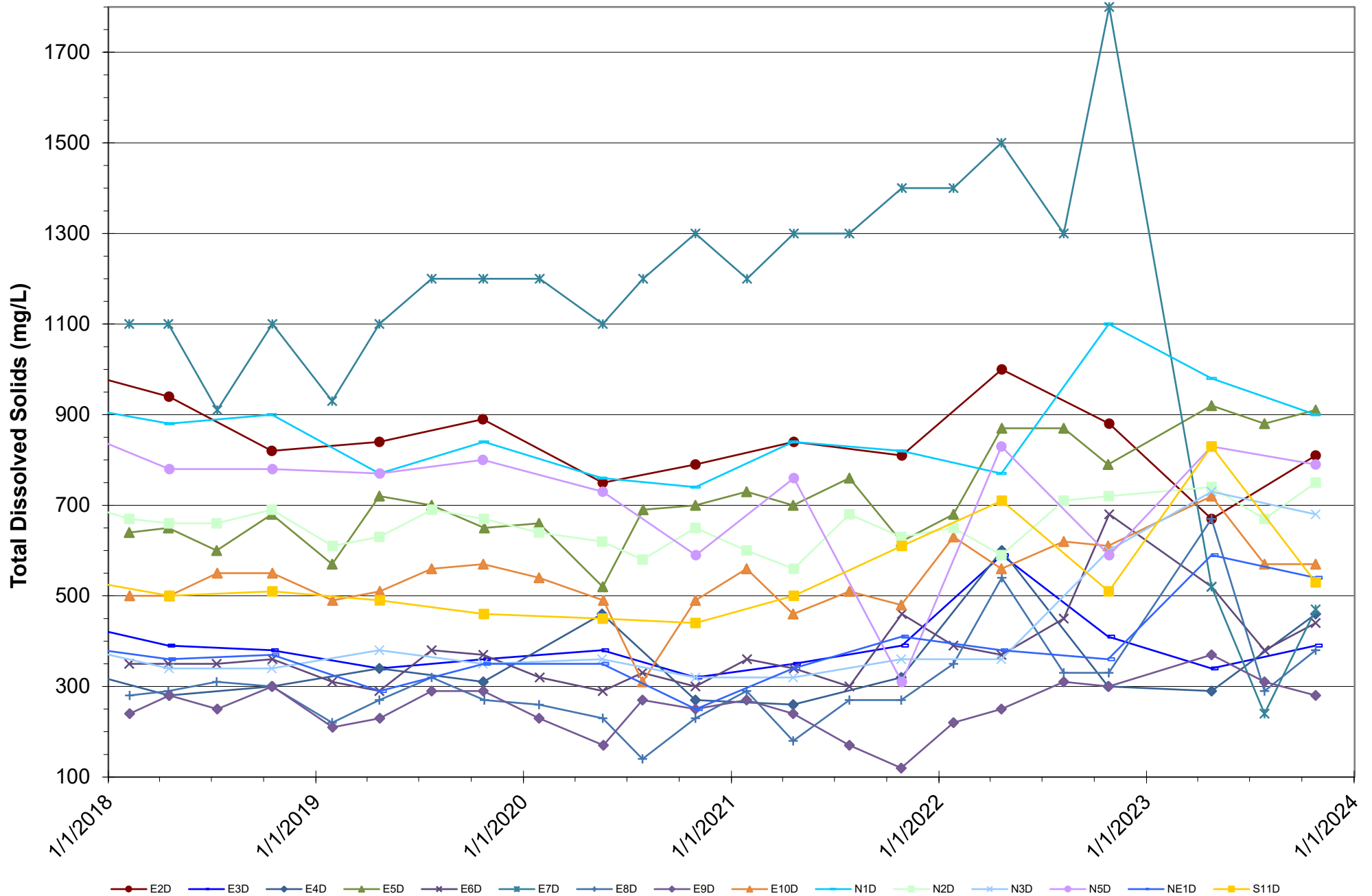


Table C18 -Total Dissolved Solids Time Series - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

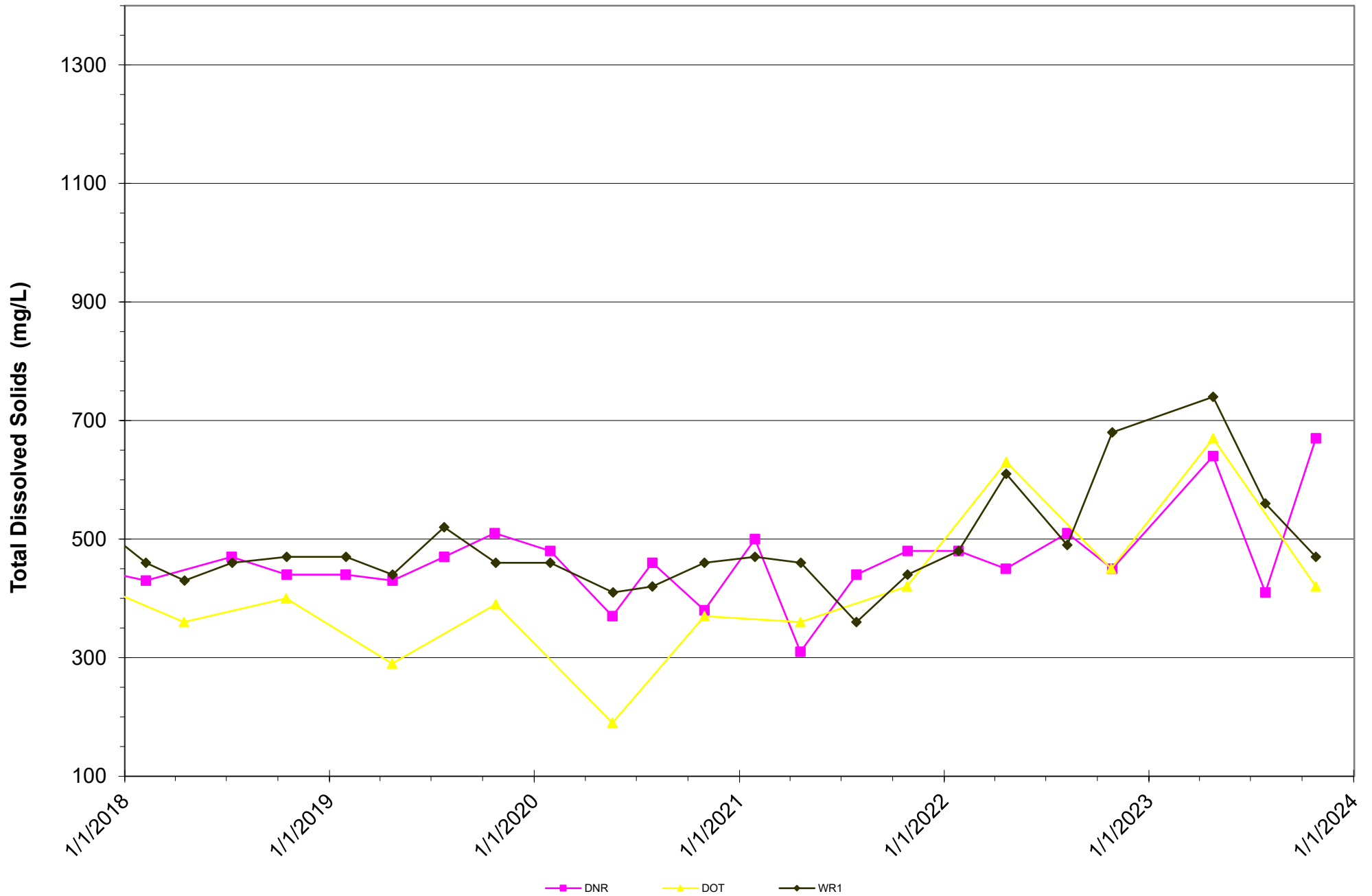


Table C19 - Total Nitrate/Nitrite Time Series - Aquifer 1
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

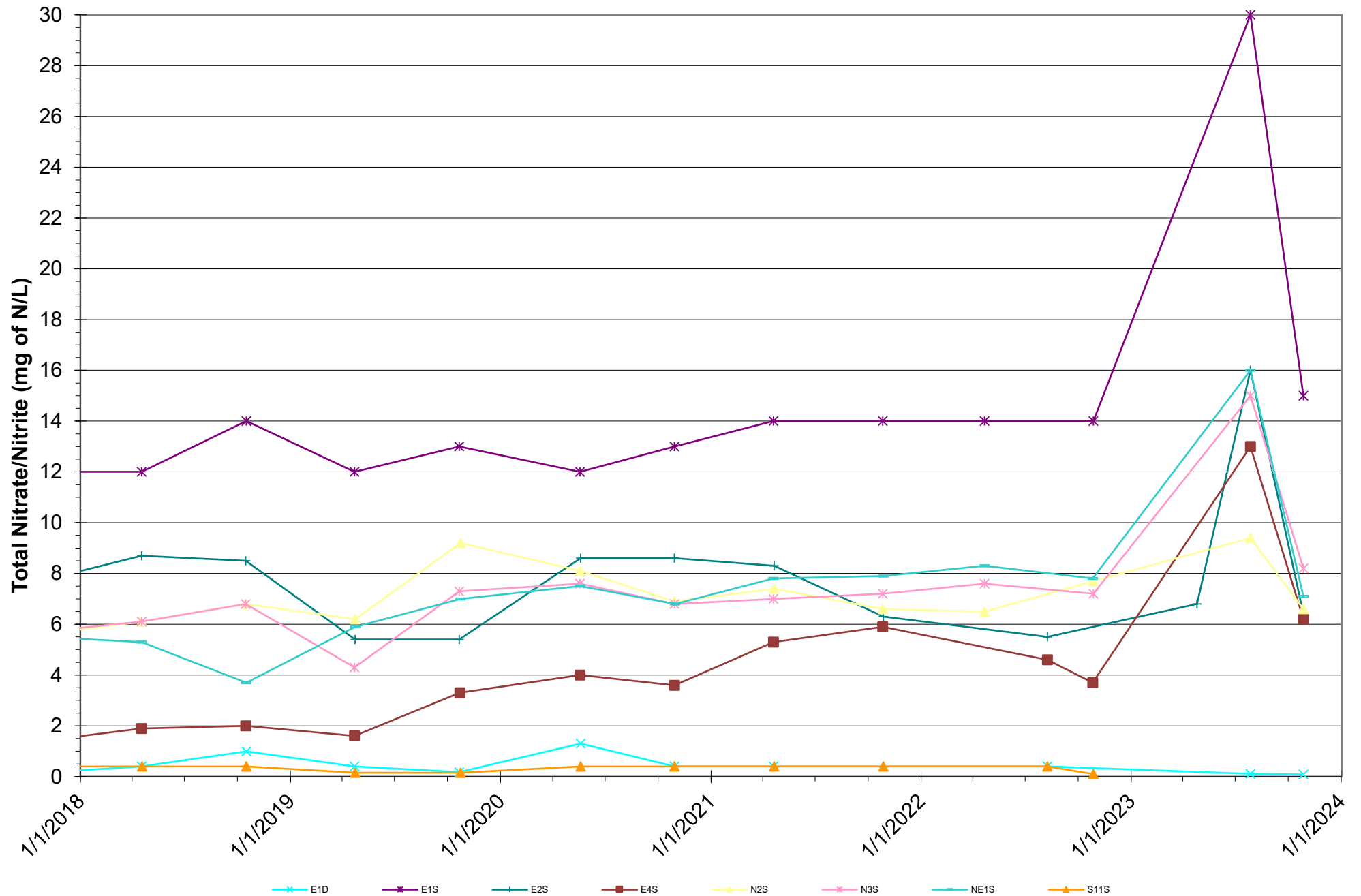


Table C20 -Total Nitrate/Nitrite Time Series - Aquifer 2
 2023 Annual Monitoring Report
 Coupeville Solid Waste , Island County, Washington

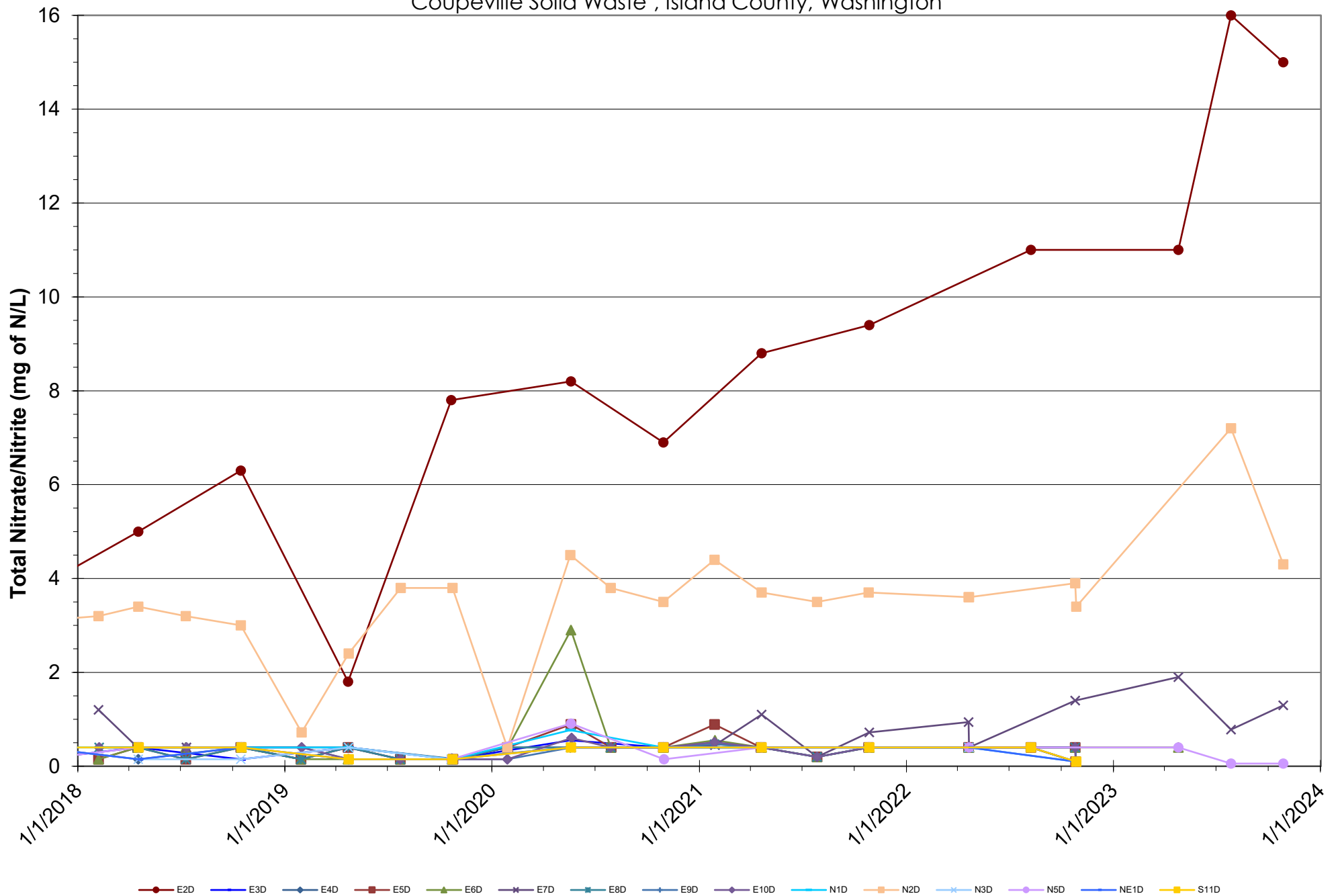


Table C22 -Total Nitrate/Nitrite Time Series - S10S
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

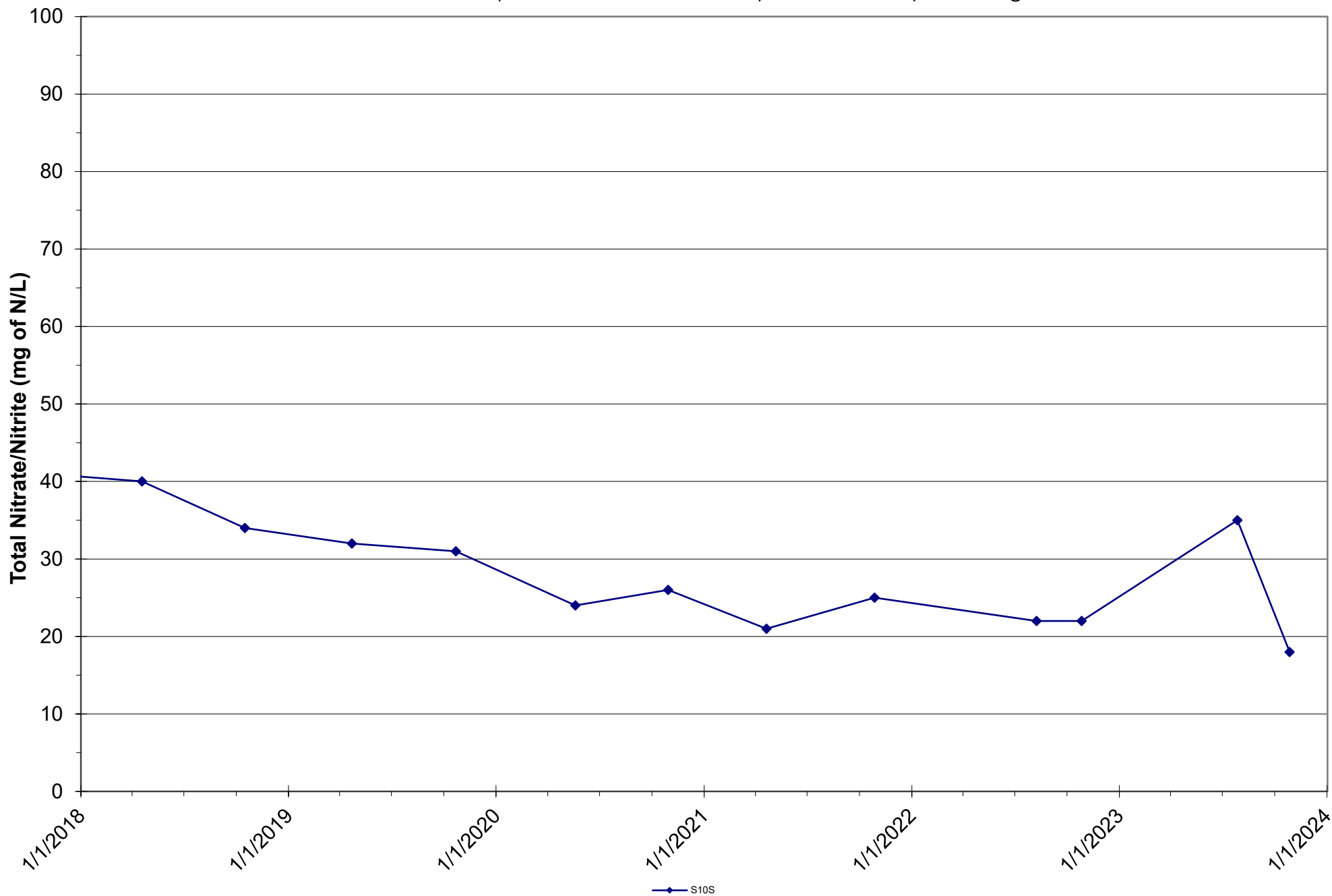


Table C21 - Total Nitrate/Nitrite Time Series - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

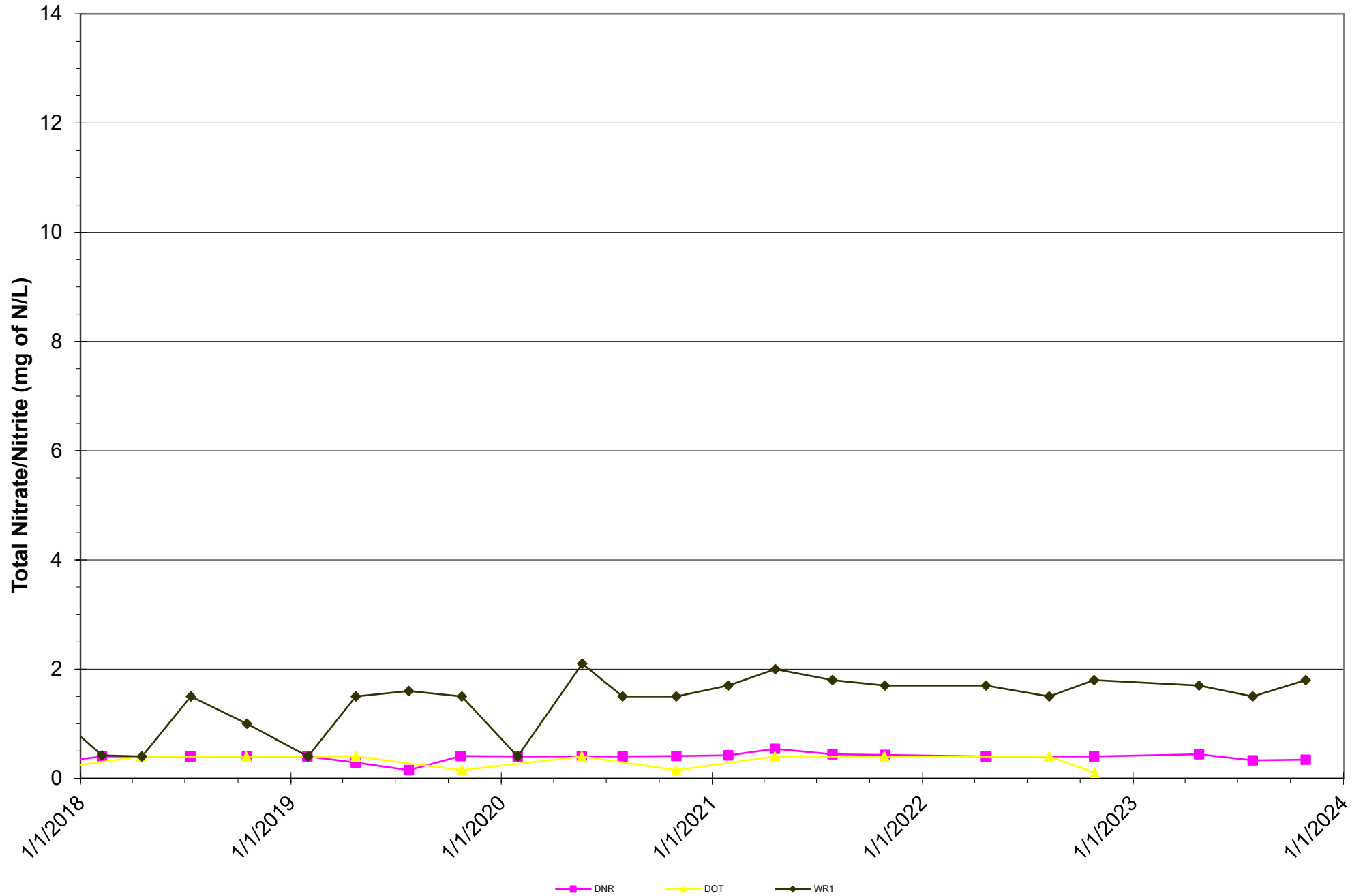


Table C23 - Total Organic Carbon Time Series - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

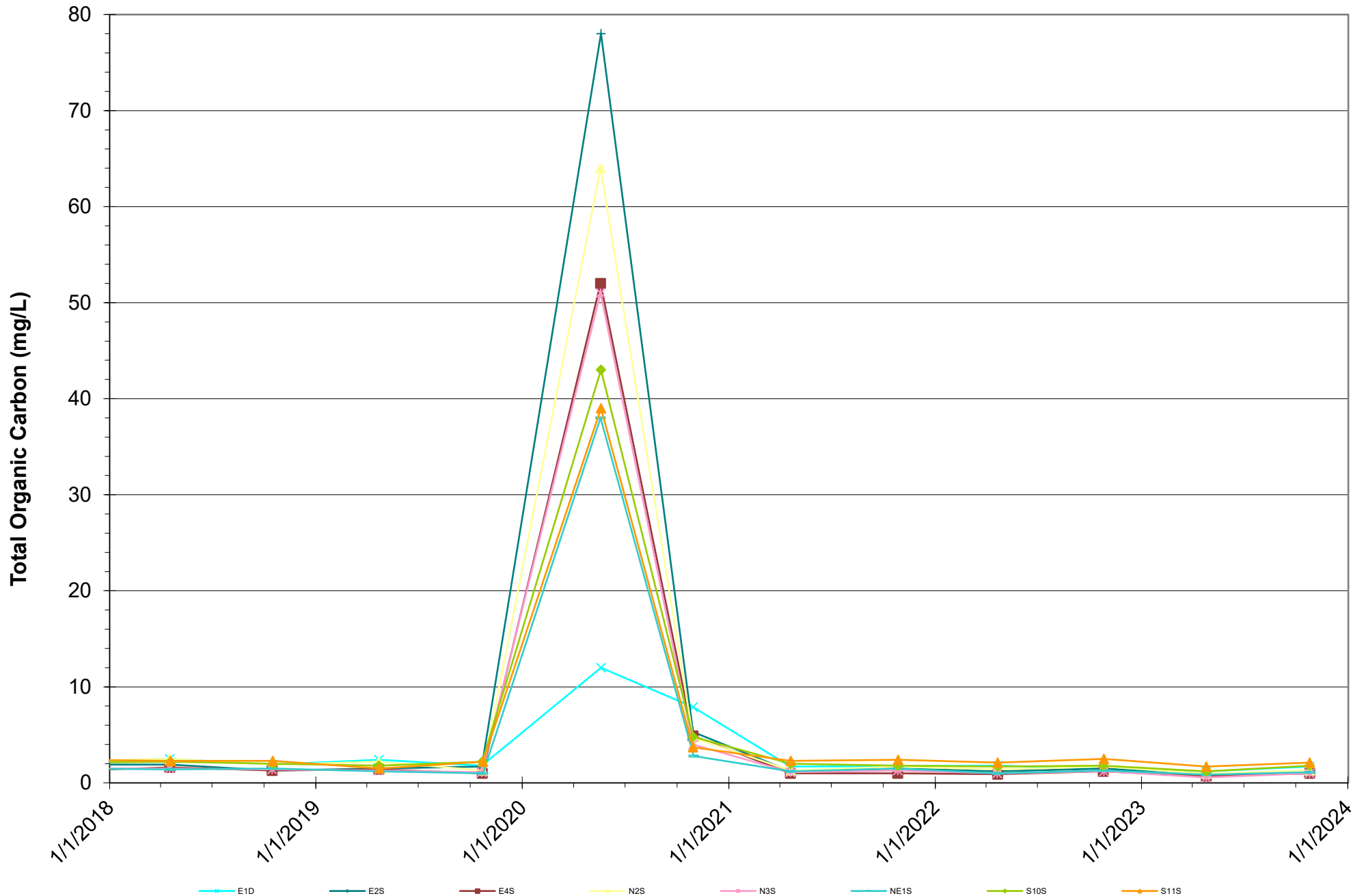


Table C24 - Total Organic Carbon Time Series - Aquifer 2
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

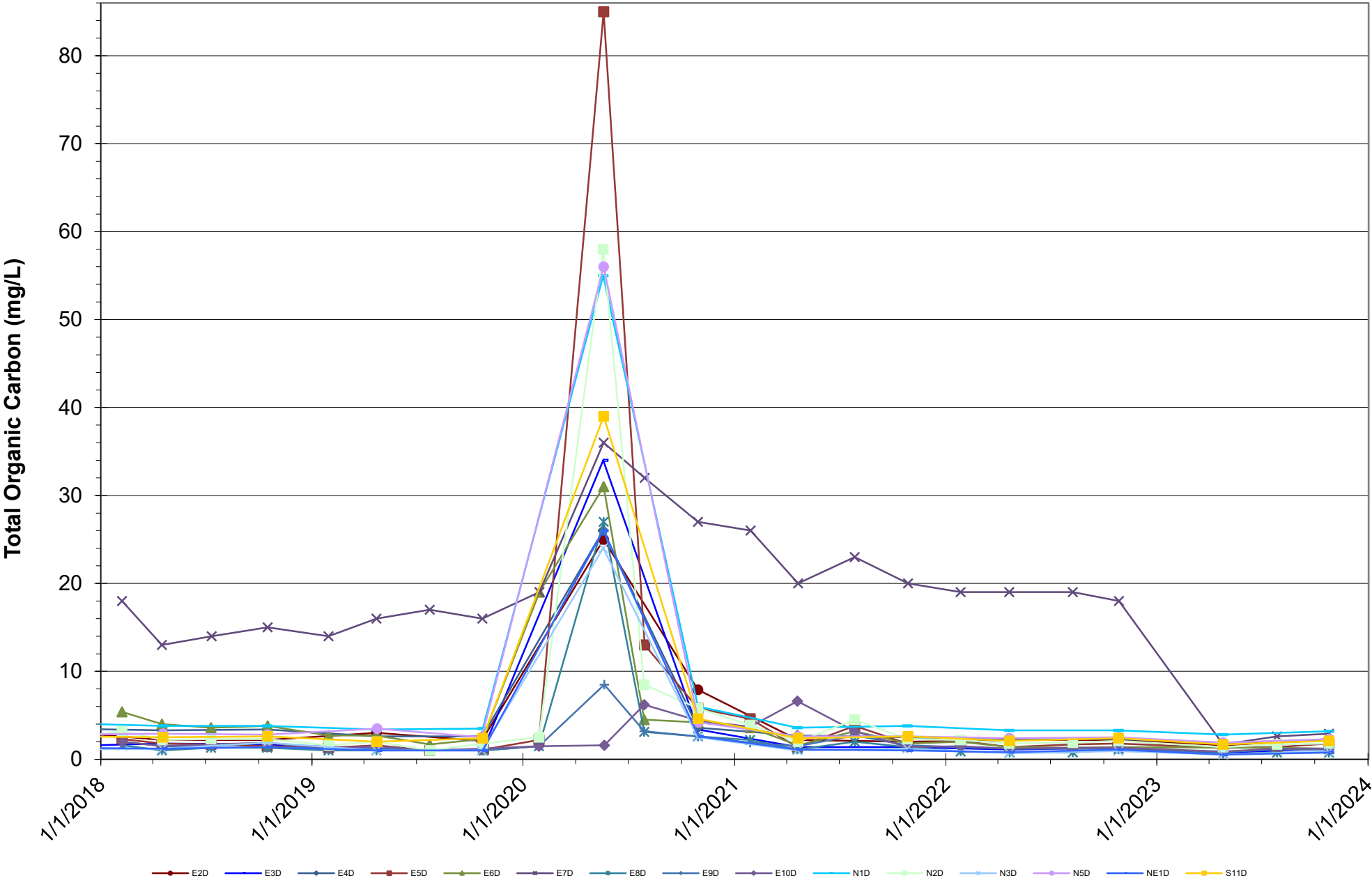


Table C25 - Total Organic Carbon Time Series - Water Supply Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

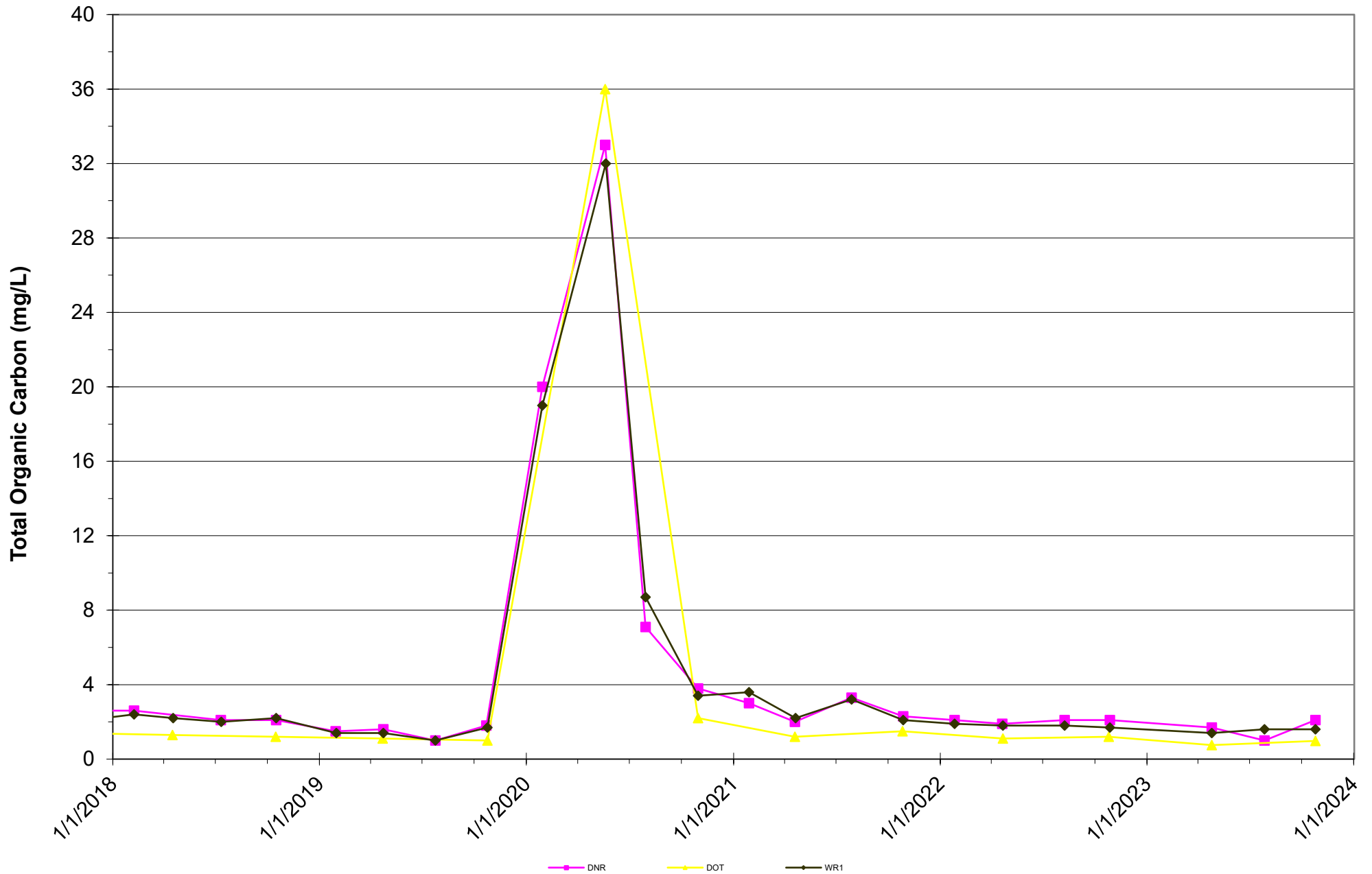


Table C26 - Barium Time Series - Aquifer 1
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

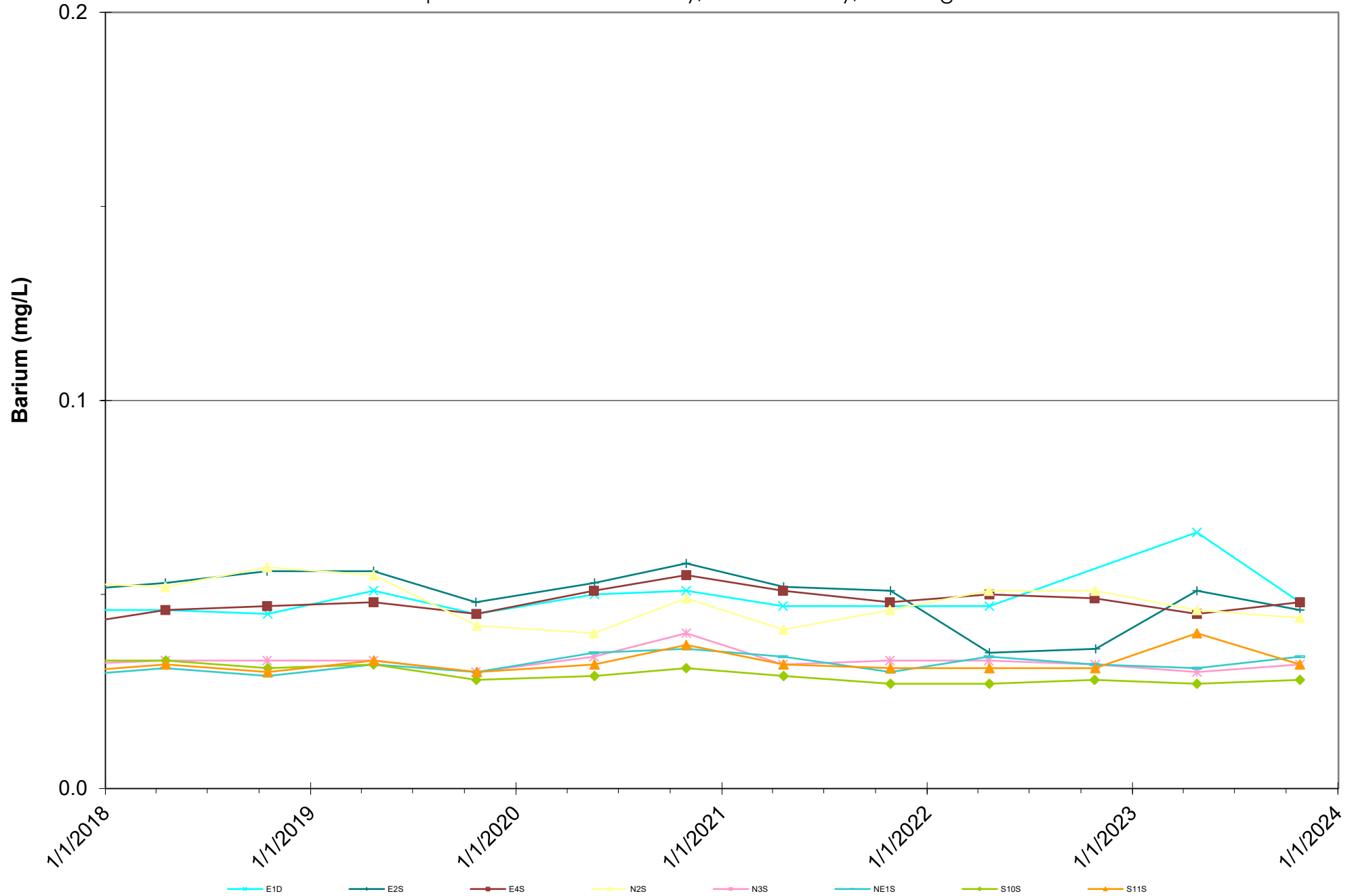


Table C27 - Barium Time Series - Aquifer 2
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

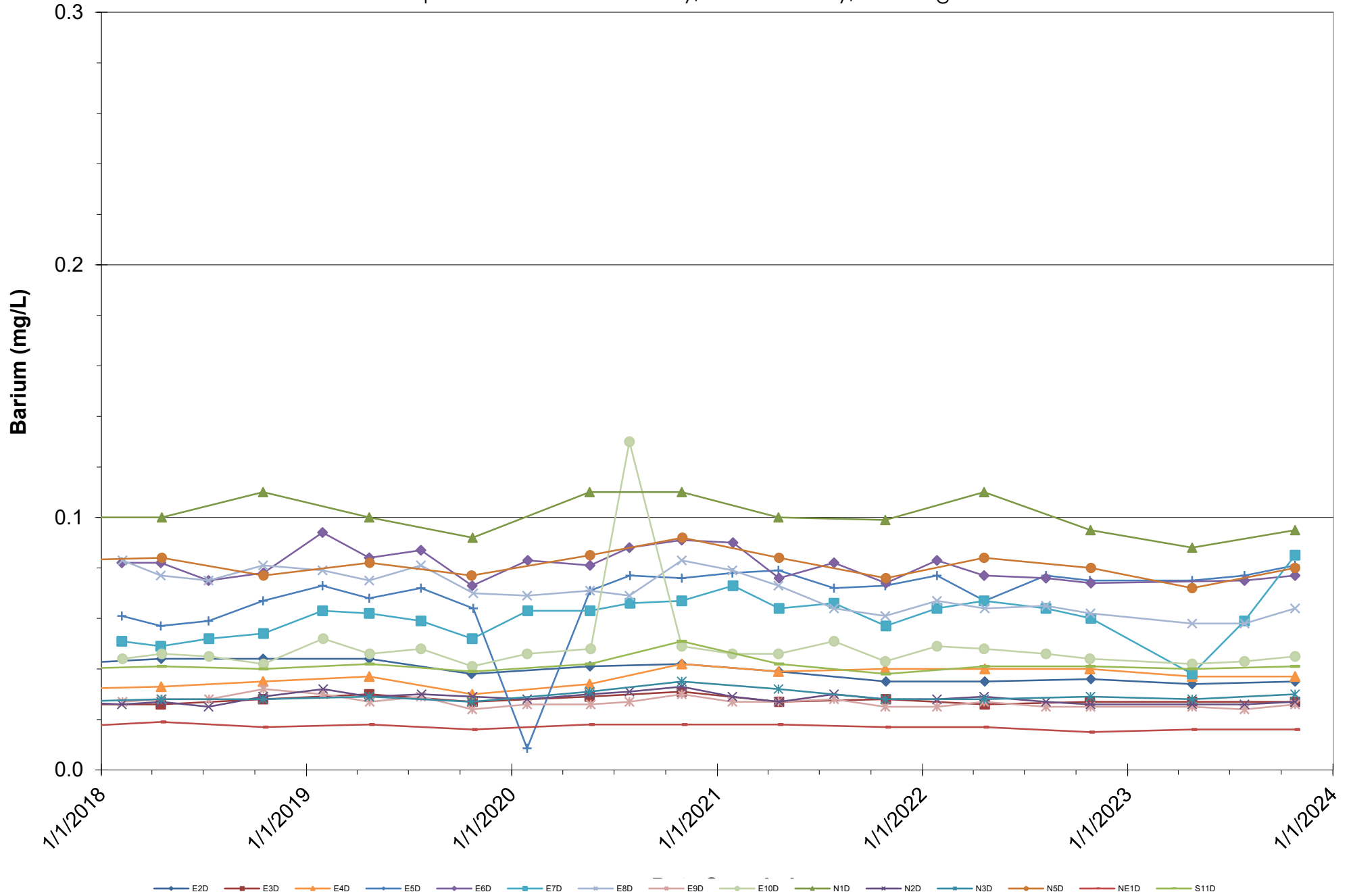


Table C28 - Barium Time Series - Pumping Wells
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

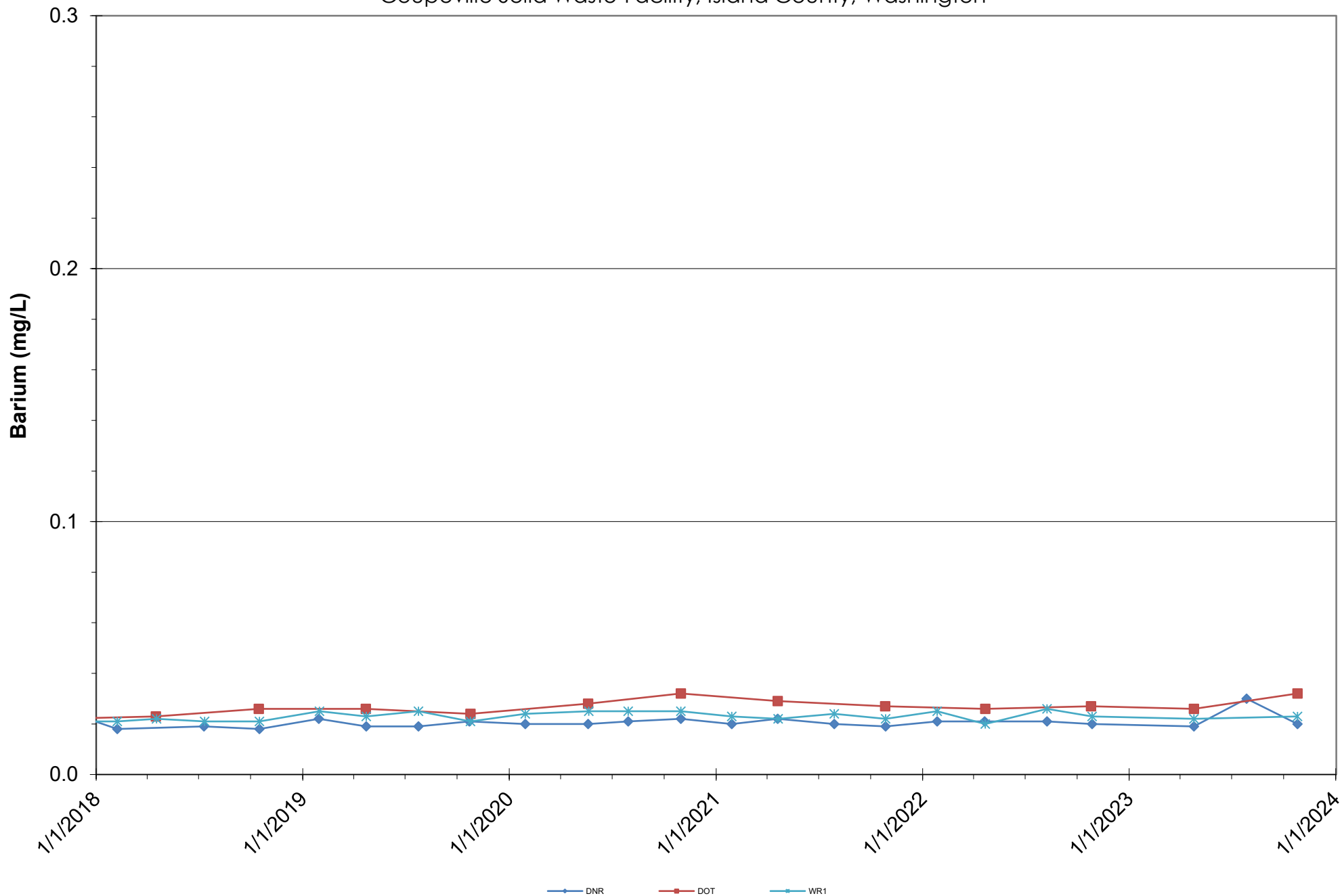


Table C29 - 1,1-Dichloroethane Time Series
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

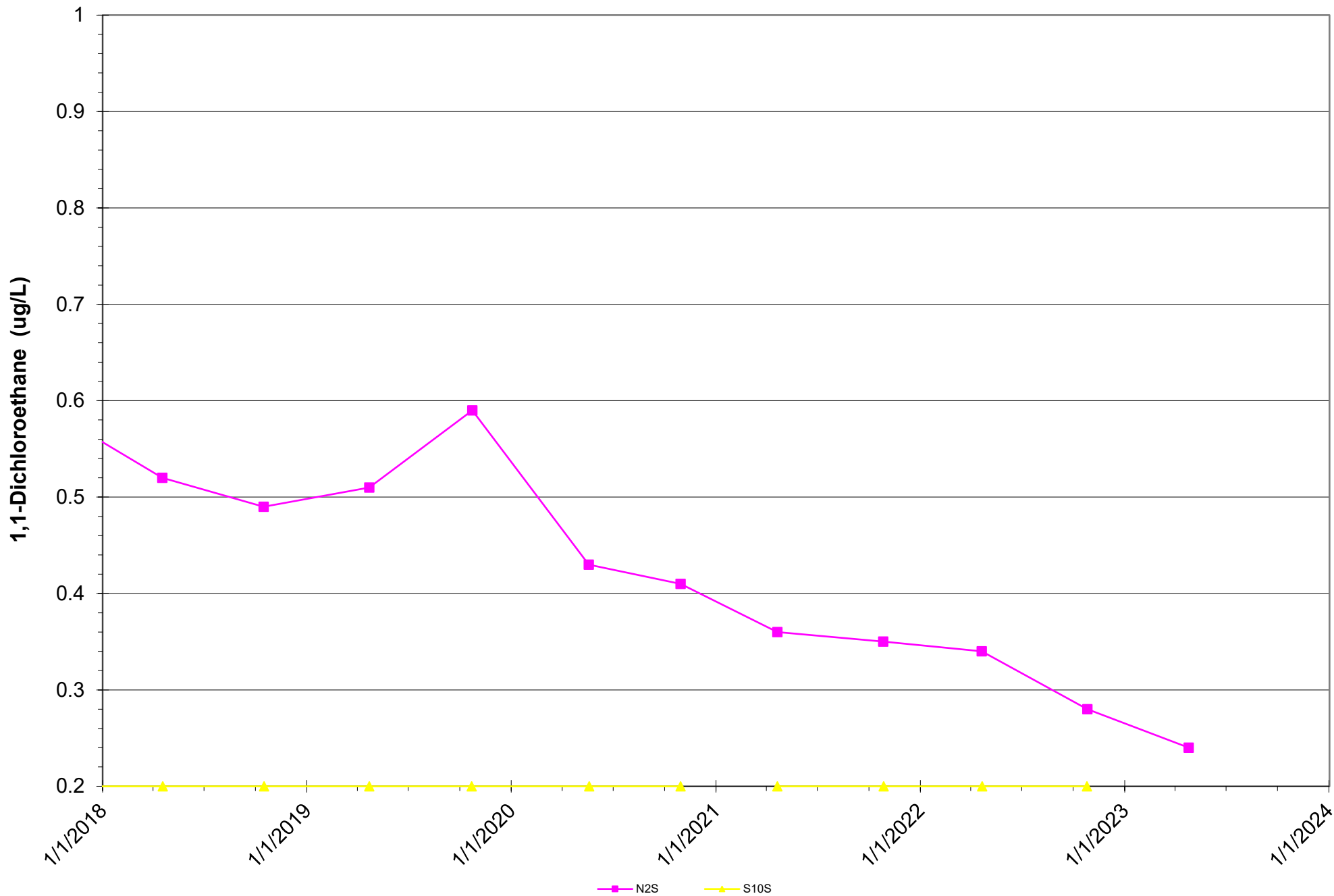


Table C30 - Methylene Chloride Time Series
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

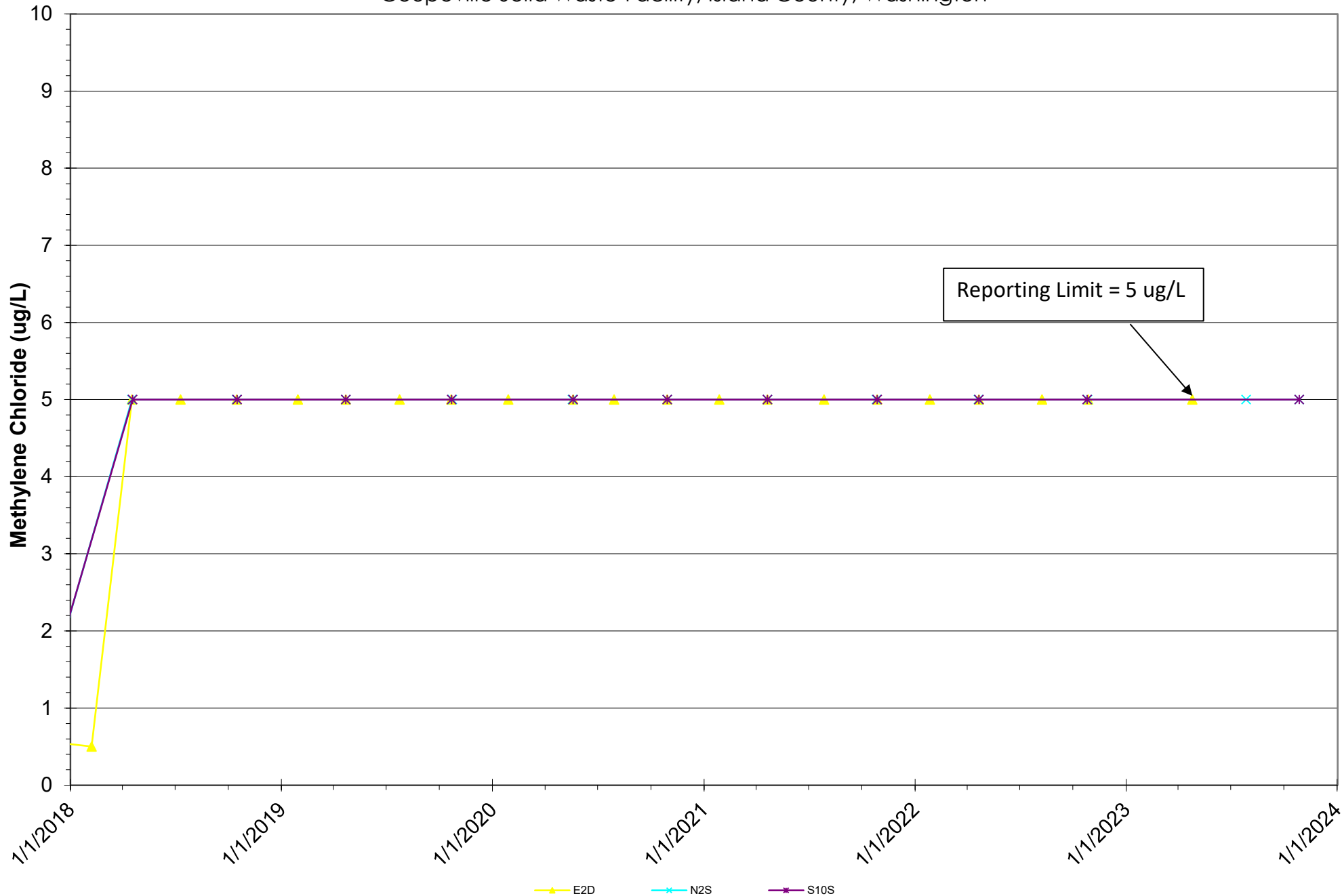


Table C31 - Vinyl Chloride Time Series - Aquifer 1
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington

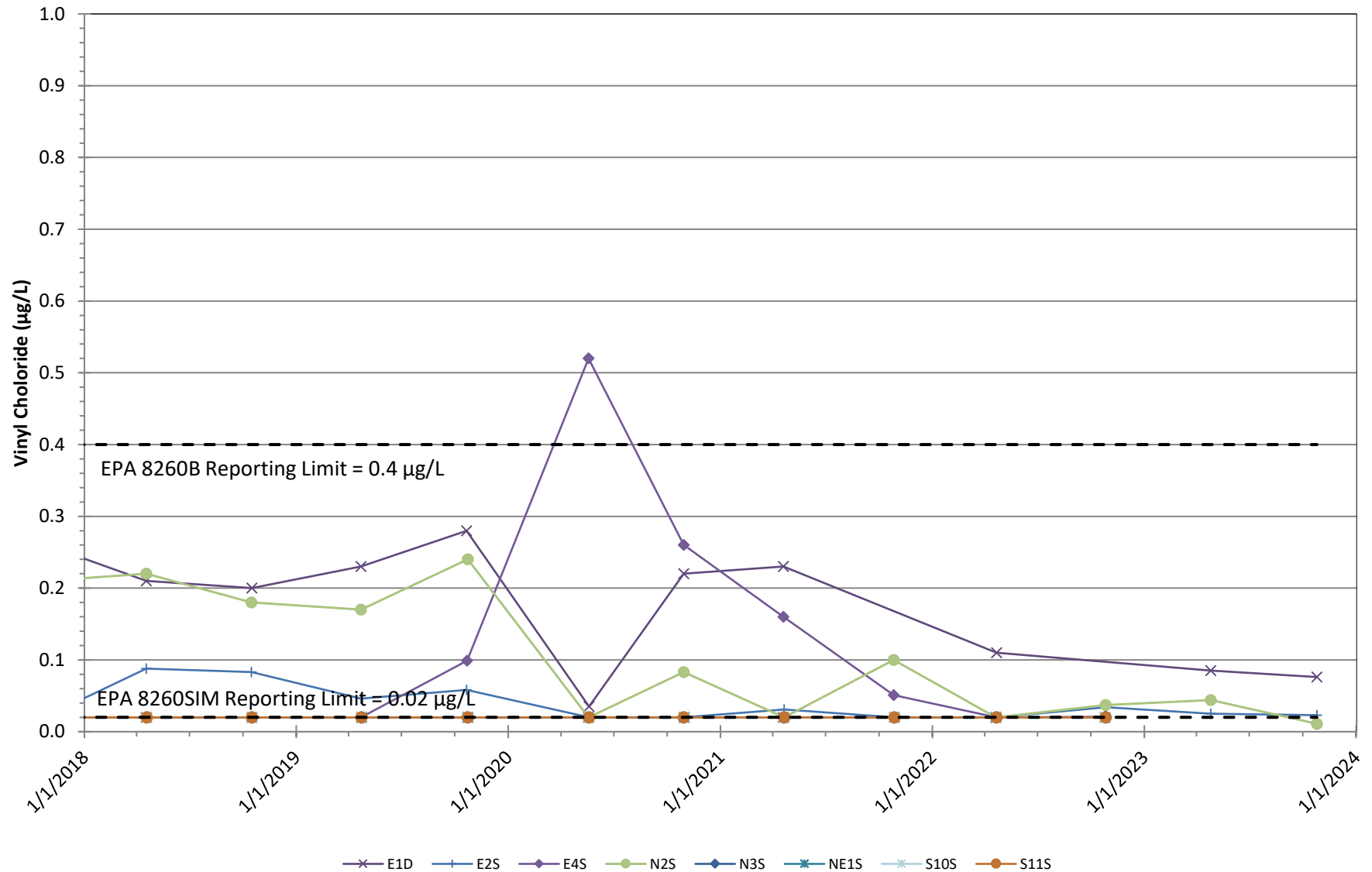


Table C32 - Vinyl ChlorideTime Series - Aquifer 2 (High Range)
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

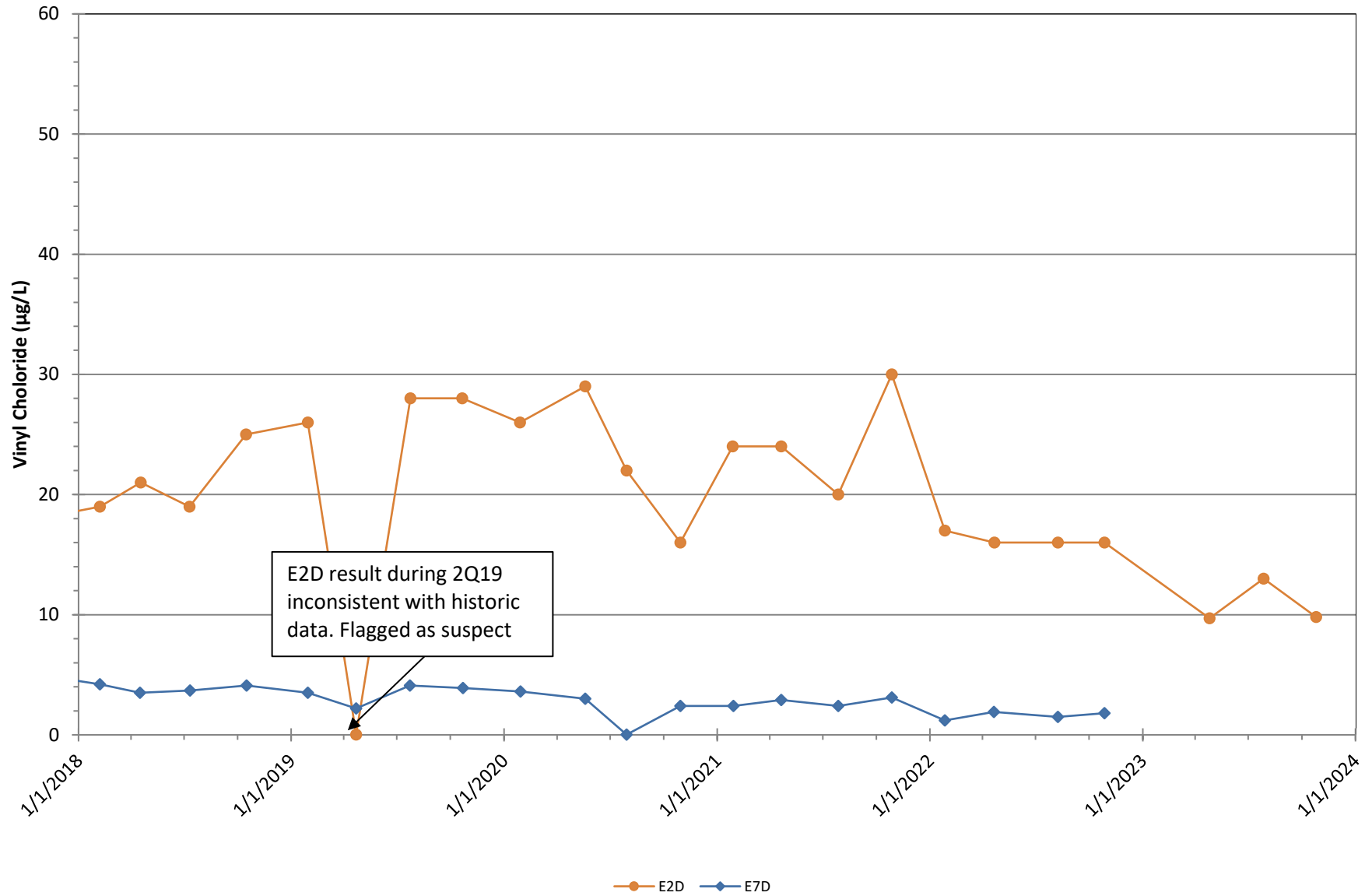


Table C33 - Vinyl Chloride Time Series - Aquifer 2 (Low Range)
2023 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

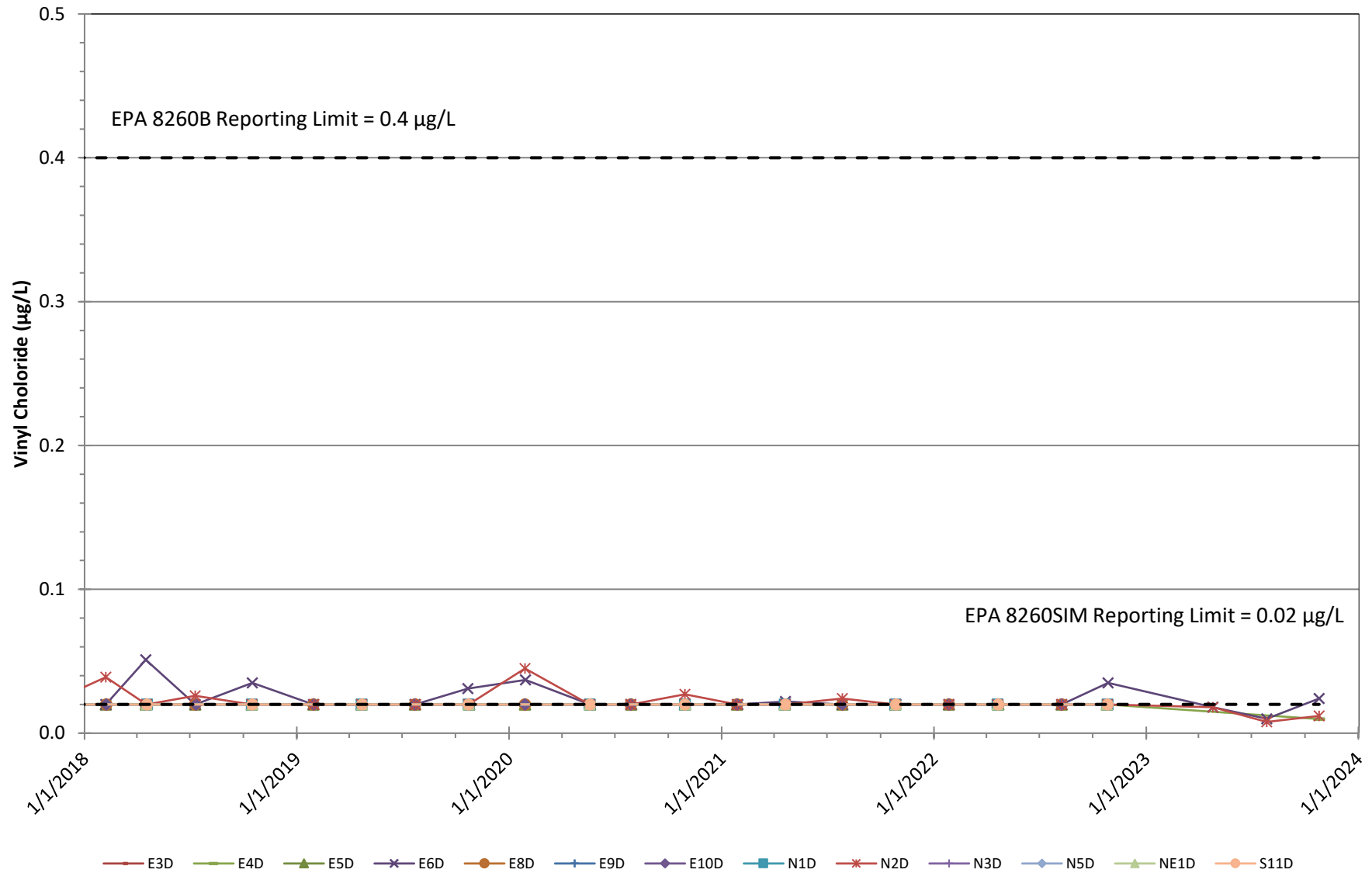
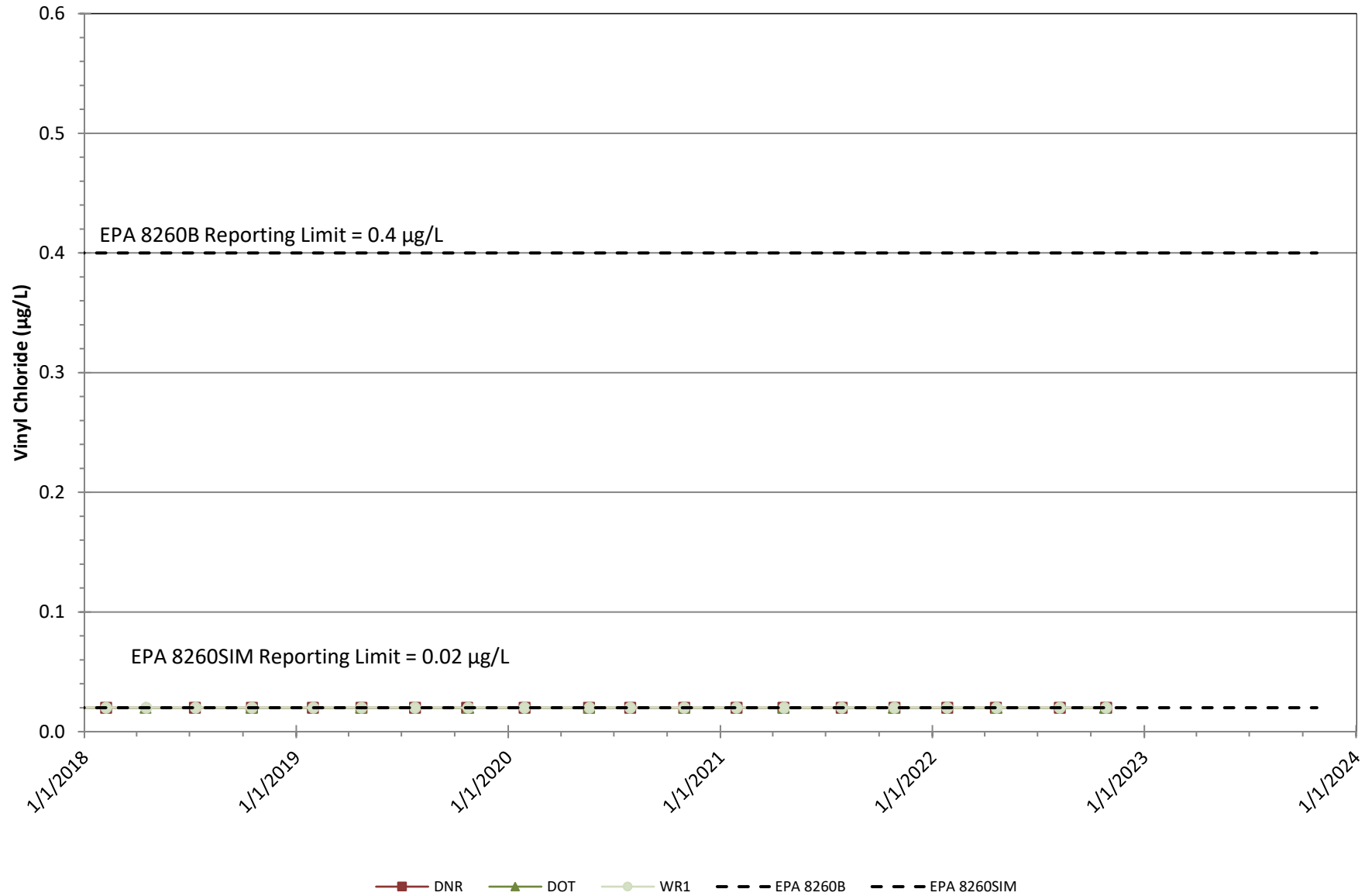


Table C34 - Vinyl Chloride Time Series - Pumping Wells
 2023 Annual Monitoring Report
 Coupeville Solid Waste Facility, Island County, Washington



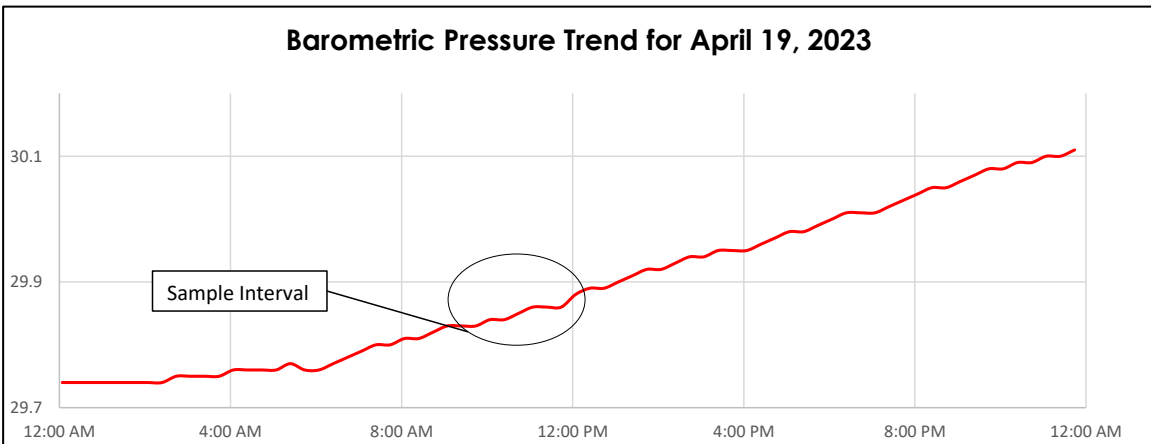
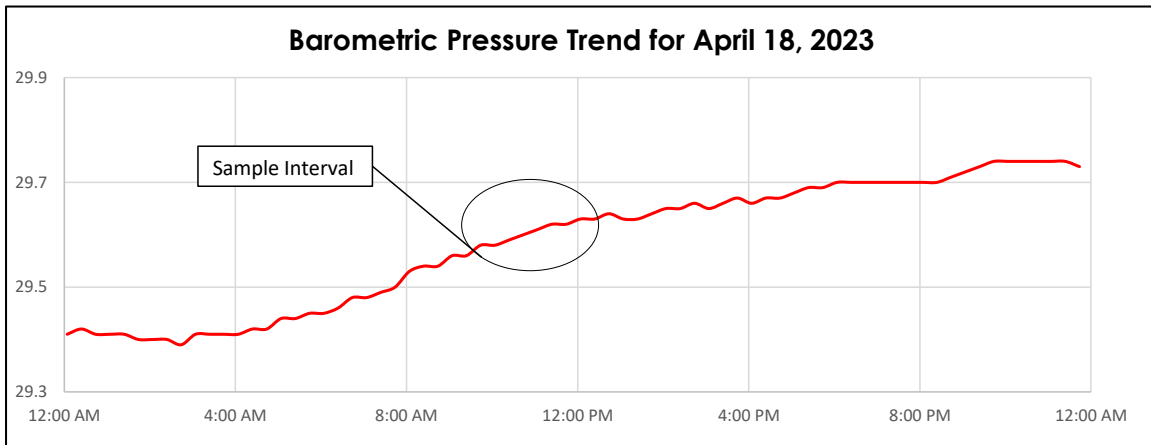
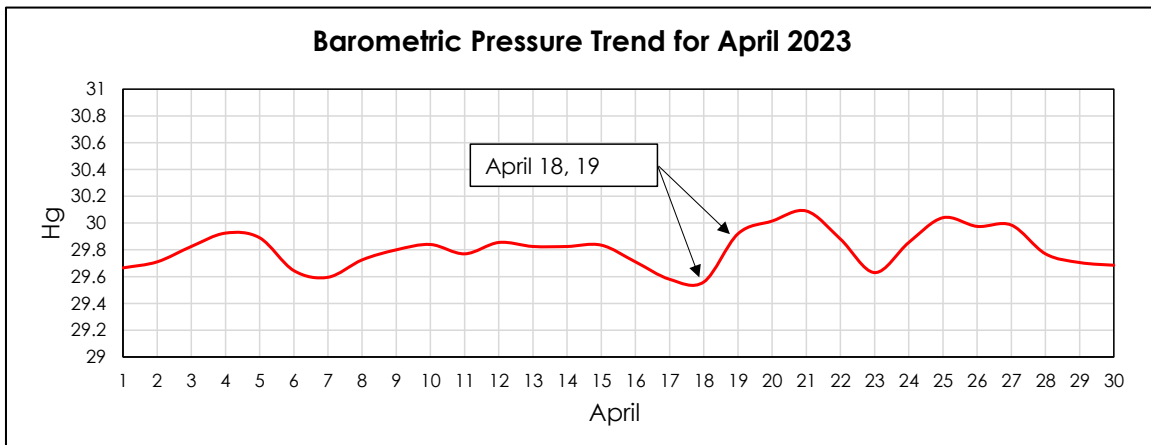


Appendix D

2023 Barometric Pressure Data



Figure D-1. Barometric Pressure Trends - April 2023
Second Quarter 2023 Data Review
Coupeville Solid Waste Facility, Island County, Washington



Monthly Data Source: Wunderground.com (Coupeville, WA)

Lat: 48.21 Long: 122.66 Elev: 203 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2023-04-18/2023-04-18/monthly>

Daily Data Source: Wunderground.com (Coupeville, WA)

Lat: 48.21 Long: 122.66 Elev: 203 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2023-04-18/2023-04-18/daily>

<https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2023-04-19/2023-04-19/daily>

Figure D-2. Barometric Pressure Trends - July 2023
Third Quarter 2023 Data Review
Coupeville Solid Waste Facility, Island County, Washington

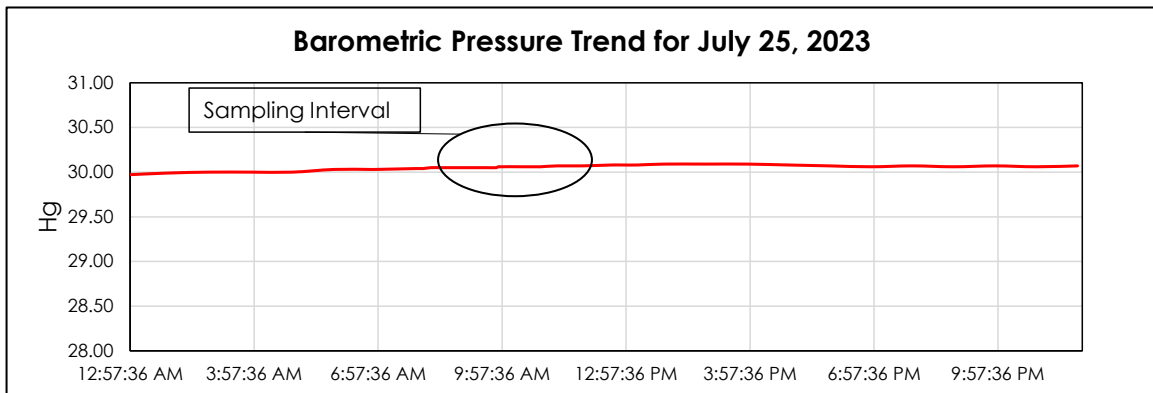
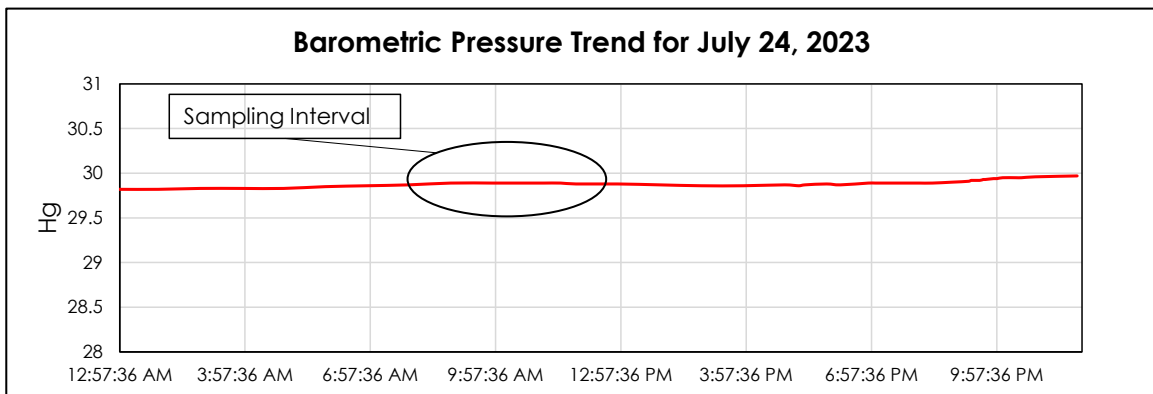
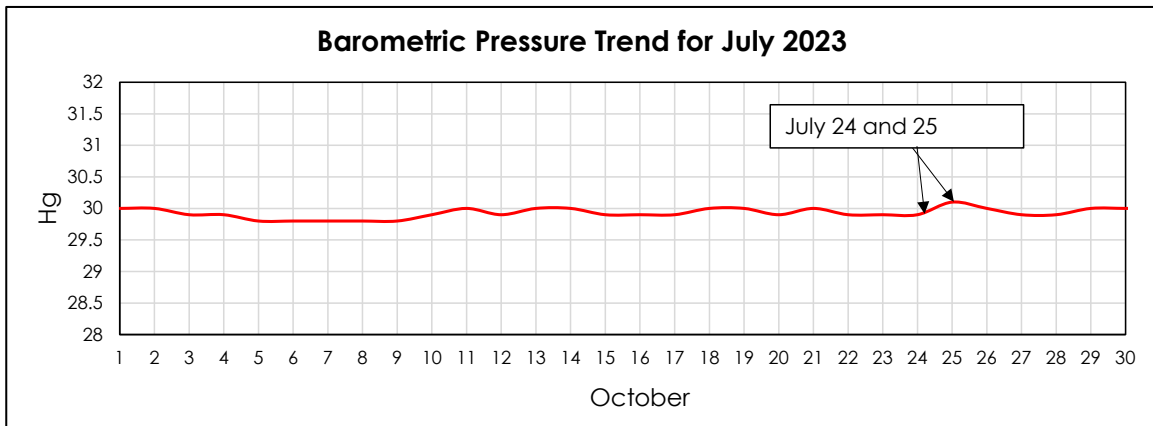


Figure D3. Barometric Pressure Trends - October 2023
Fourth Quarter 2023 Data Review
Coupeville Solid Waste Facility, Island County, Washington

