2024 Annual Monitoring Report

Island County Solid Waste Facility
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Coupeville, Washington

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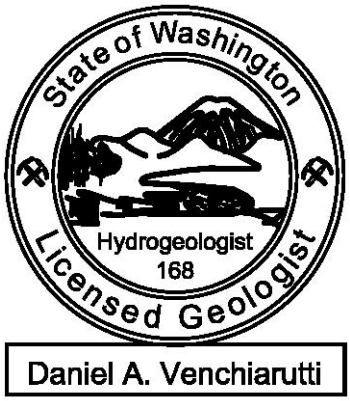


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1.0 INTRODUCTION

This Annual Report provides a summary of the field and laboratory results for the 2024 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 2024 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).

Over the current compliance year, a total of 11 groundwater wells were monitored during the first and third quarters of 2024, while 27 groundwater wells were monitored as part of the second and fourth quarter 2024 events. The environmental monitoring and sampling activities during 2024 were performed by SCS Engineers and SCS Field Services.

1.1 REPORT CONTENTS

The 2024 Annual Monitoring Report includes and describes:

- Background and site description (including figures of site location and facility layout).
- A summary of the 2024 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 2024 groundwater elevation/flow direction, field monitoring, and analytical data.
- A summary of the 2024 LFG monitoring results.
- A summary of the contaminant source control operation results.
- A comparison and summary of 2024 analytical data to regulatory criteria.
- A geochemical evaluation of recent (2024) 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 2024.
- 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 2024 compliance year remain generally consistent with those previously observed at the facility. 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 continues to be observed at the CSWF, 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 2024 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, sulfate, 1,1-dichloroethane, 1,1,1-trichloroethane and vinyl chloride were exceeded in one or more wells during 2024. In addition, anomalous tetrachloroethylene detections reported in the majority of the site wells during the third quarter 2024 were determined to represent laboratory artifacts. The WAC 173-200 groundwater criteria for vinyl chloride was exceeded in three Aquifer 1 monitoring wells (E1D, E2S, and E6D) and two Aquifer 2 well (E2D and E7D) during the reporting year. These results are consistent with past monitoring at the facility.

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. Three increasing short term concentration trends were

observed Aquifer 2 wells E5D, N2D, and E7D for sulfate, iron and manganese, respectively. However, as illustrated on the time-series graphs for these parameters (provided in Appendix C) these short term increasing trends do not represent large concentration changes.

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 2024 in Aquifer 1 was estimated to be higher (1.23 ft/day) than that calculated for Aquifer 2 (0.153 ft/day).

1.2.2 Landfill Gas Probes

LFG monitoring was conducted at approximately 45-day intervals between January and December 2024. 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 2024 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 2024 monitoring period, the CSWF remained in compliance with the regulatory threshold limits for methane in soils at the property boundary (less the 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 18,677 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 2024 and discharged to the infiltration pond west of the disposal areas. Cumulatively, a total of 341,716 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 4, 2024, the LFG extraction system operated an average of 4.95 hours per day and the SVE system operated an average of 9.79 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 I 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. Over 2024 compliance period, groundwater monitoring was performed by SCS Engineers in March, May, August and October.

Exhibit 2. CSWF Groundwater Monitoring Schedule

Monitoring Frequency	Groundwater Monitoring Wells		Water Supply Wells
	Aquifer 1 Wells	Aquifer 2 Wells	
Quarterly Event		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.

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 (May) 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. It should be noted that subsequent to a 2023 pump failure, a deployable bladder pump was

temporarily employed to sample E7D until a replacement dedicated pump could be installed as part of the August 2024 monitoring event.

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 2024 ranged between 62.62 (E4S in May) to 85.44 (W1S in May) feet above mean sea level (msl). Aquifer 2 (deep aquifer) groundwater elevations recorded over the same period ranged from 44.15 (E10D in August) to 66.95 (N5D in May) 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 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 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 May and October 2024. Little change was noted in groundwater flow direction over the course of the 2024 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 May and October 2024 averaged 0.0070 feet/feet. 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 2024 averaged 1.23 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 May and October 2024 averaged 0.0010 feet/feet. 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 2024 in Aquifer 2 was calculated to be 0.153 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 359 gallons of non-potable water (reportedly used for road application or fire fighting) had been pumped from this well between October 2023 and October 2024.

3.2.2 Water Quality

Measurement of field parameters and results from laboratory analyses for general chemistry and metals for 2024 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 2024 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 2024 results.

Exhibit 3. 2024 Range of Field Parameters

Field Parameter	Range of Measurements	Notes
Dissolved Oxygen (DO)	0.03 to 8.6 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 0.03 to 8.6 mg/L. Water supply wells generally reported <5 mg/L DO levels.
Oxidation-Reduction Potential (ORP)	-956 to 186.7 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. The outlier -956 mV result at E10 is suspected to be due to a field instrument issue.
pH	6.48 to 8.62 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 6.48 to 8.62 standard units (SU). pH results above 8.2 are suspected to be related to field instrument issues.
Specific Conductance (SC)	180 to 1,860 µS/cm	Aquifer 1 and Aquifer 2 wells reported z wide range of SC measurements (between 704 to 1,670 µS/cm and 180 to 1,860 µS/cm, respectively). Water supply wells reported a narrower SC range between 662 to 912 µS/cm. Higher SC typically occurred in the near refuse wells.
Temperature	6.6 to 16.6 ^{0}C	Varies seasonally at all well locations, and appears to largely represent ambient air temperatures during sample collection.
Turbidity	0 to 190.2 NTU	Generally low across the site (0 to 190.2 NTU). Elevated measurements have been previously reported for Aquifer 1 well E1D (190.2 NTU).

Field parameters recorded over the 2024 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 2024 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 2024 results.

Exhibit 4. 2024 Range of General Chemistry Parameters

Parameter	Range of Measurements	Notes
Total Alkalinity	67 to 780 mg/L	Total Alkalinity at the CSWF is principally composed of bicarbonate (HCO_3). Aquifer 1 alkalinity ranged from 320 to 650 mg/L, while Aquifer 2 alkalinity ranged from 67 to 780 mg/L. Water supply wells reported a narrower alkalinity range of 310 to 350 mg/L. The highest values were observed in E5D and E7D.
Ammonia	ND to 0.99 mg/L	Ammonia was not reported in the Aquifer 1 wells during the 2024 compliance year. This parameter was sporadically detected at low concentrations in several Aquifer 2 wells. The highest result was reported in E7D during May.
Calcium	19 to 260 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, E4S, N2S and NE1S) and Aquifer 2 (E2D and E5D) wells proximal to the waste cells.
Chemical Oxygen Demand (COD)	ND to 54 mg/L	COD was detected sporadically throughout Aquifer 2 wells with the highest concentration at E7D (54 mg/L) and once at water supply well DNR at 11 mg/L.
Chloride	9.5 to 110 mg/L	Both, Aquifer 1 and Aquifer 2 wells reported similar ranges of chloride detections. The 250 mg/L groundwater quality criterion for chloride was not exceeded during the 2024 compliance year.
Fluoride	ND	No fluoride concentrations were detected in any wells during the 2024 compliance year.
Magnesium	1.9 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 43 to 51 mg/L.
Potassium	ND to 15 mg/L	Potassium was detected at low concentrations in the majority of CSWF groundwater samples. Similar ranges were reported in Aquifer 1 (5.6 to 9.6 mg/L) and Aquifer 2 (5.1 to 15 mg/L). Water supply wells reported potassium levels ranging between 4.9 to 6.6 mg/L.
Sodium	8.2 to 47 mg/L	Sodium levels were consistently low across the CSWF, with Aquifer 1 (20 to 43 mg/L) and Aquifer 2 (8.2 to 47 mg/L) reporting a similar range of sodium concentrations. Sodium levels in the water supply wells were slightly lower ranging between 25 and 33 mg/L.
Sulfate	4.9 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 26 and 61 mg/L.

Total Dissolved Solids (TDS)	67 to 1,200 mg/L	Total dissolved solids (TDS) was reported at varying concentrations between 67 (E7D in March) and 1,200 mg/L (E7D in August/October) over the compliance year. Aquifer 1 and Aquifer 2 wells reported TDS ranges of 440 to 1,100 mg/L and 67 to 1,200 mg/L, respectively. The March and May E7D results were noted to be anomalously low, and are suspected to represent sampling/analytical artifacts. Water supply wells reported lower TDS concentrations, ranging between 380 and 600 mg/L.
Nitrate/Nitrite	0.15 to 23 mg/L	Aquifer 2 reported the greatest range of nitrate/nitrite detections (from 0.15 to 18 mg/L). The 10 mg/L groundwater quality criterion was exceeded twice in both Aquifer 1 well E1S and Aquifer 2 well E2D. As noted in past compliance years, these nitrate/nitrite detections are suspected to be related to non-landfill sources.
Total Organic Carbon (TOC)	0.97 to 18 mg/L	TOC ranged between 1.2 and 2.2 mg/L in the Aquifer 1 wells, 0.97 to 18 mg/L in the Aquifer 2 wells, and 1.2 to 2.2 mg/L in the water supply wells. The highest TOC result (18 mg/L) was detected in Aquifer 2 well E7D.

ND: defined as parameter results below the laboratory reporting limit.

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 2024 reporting year are summarized below. Seven metals, including antimony, beryllium, cadmium, lead, selenium, silver, and thallium were either not detected or only sporadically reported above their respective laboratory reporting limits. Accordingly, these six 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 2024 results.

Exhibit 5. 2024 Range of Total Metals Parameters

Total Metal	Range of Measurements*	Notes
Arsenic	1.2 to 23 µg/L	Aquifer 1 arsenic concentrations varied from 1.2 to 7.4 µg/L. Aquifer 2 arsenic levels ranged between 1.3 and 23 µg/L. Water supply wells reported arsenic concentrations ranging between 3.1 and 6.9 µg/L. The highest arsenic result was observed at Aquifer 2 well E9D.
Barium	16 to 99 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 57 µg/L and 21 to 32 µg/L, respectively). Aquifer 2 reported slightly higher barium levels ranging between 16 and 99 µg/L. No site-wide or seasonal trends are apparent.
Chromium	ND to 33 µg/L	Low chromium detections were sporadically reported throughout the compliance year. Aquifer 1 chromium levels ranged from 0.88 to 33 µg/L, with the highest results in N2S. Chromium detections in Aquifer 2 wells varied from 0.86 to 6.8 µg/L. Water supply wells reported chromium detections ranging from 1.4 to 3.5 µg/L.
Cobalt	ND to 3 µg/L	Cobalt was detected at least once above the reporting limit in Aquifer 1 wells (E1D and E2S) and Aquifer 2 well E7D at concentrations ranging from 0.66 to 3 µg/L. The highest concentration was observed at Aquifer 2 well E7D in October.

Copper	2 to 52 µg/L	Copper was reported at least once in Aquifer 1 wells E1D, N3S, and NE1S. Aquifer 2 wells reported sporadic concentrations ranging to 14 µg/L (at E7D). Copper was also detected in the water supply wells at concentrations ranging from 2 to 52 µg/L, with WR1 reporting the most detections.
Iron	ND to 2,800 µg/L	Iron detections ranged between 110 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 120 and 720 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 2.4 and 470 µg/L. Aquifer 2 manganese detections ranged from 11 to 610 µg/L. Water supply wells reported manganese concentrations ranging from 4.1 to 180 µg/L. The highest manganese levels were reported in Aquifer 2 well E7D.
Nickel	ND to 26 µg/L	Nickel detections in the Aquifer 1 wells ranged between 3.1 and 11 µg/L. Aquifer 2 nickel detections showed the most variation, ranging between 3.5 and 26 µg/L. Nickel concentrations were not reported in any water supply wells during the 2024 monitoring year.
Vanadium	ND to 11 µg/L	Vanadium was detected at low concentrations in five Aquifer 1 wells at concentrations ranging between 4.3 and 11 µg/L. Vanadium was reported in Aquifer 2 wells E2D and E7D at concentrations ranging to 7.9 µg/L. Water supply well DNR detected vanadium at concentrations ranging between 6 and 6.4 µg/L.
Zinc	ND to 440 µg/L	A single low zinc concentration (7 µg/L) was detected in Aquifer 1 groundwater well E1D. Aquifer 2 reported zinc at concentrations ranging to 440 µg/L (at well E7D in March). All of the water supply wells reported zinc detections ranging between 10 and 140 µg/L. The highest zinc result was reported at water supply well DNR (140 µg/L) during the first quarter event, and is suspected to 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.

The total metals results observed at the CSWF during 2024 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 2024 in the routinely monitored groundwater wells. A total of 7 VOCs were detected in groundwater samples collected from the CSWF monitoring wells during compliance year. However, the majority of these compounds (including tetrachloroethylene [PCE]) 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 2024 results.

Exhibit 6. 2024 Range of Volatile Organic Compounds

Field Parameter	Range of Measurements	Notes
1,1,1–Trichloroethane	ND to 0.48 µg/L	1,1,1-Trichloroethane was detected in two Aquifer 1 wells (N2S, and S10S) at concentrations ranging between 0.25 and 0.42 µg/L). Two Aquifer 2 wells (E2D and E7D) reported concentrations between 0.41 and 0.48 µg/L). 1,1,1-trichloroethane was not detected in any water supply wells.
1,1-Dichloroethane	ND to 2.6 µg/L	1,1-Dichloroethane was detected in two Aquifer 2 wells (E2D and E7D) at concentrations ranging between 0.2 and 2.6 µg/L.
Chloroform	0.22 to 1.5 µg/L	Chloroform was detected in water supply well DNR during the second, third and fourth quarters ranging between 0.22 and 1.5 µg/L.
Tetrachloroethylene*	ND to 1.5 µg/L	PCE was detected once (during the August event) in seven Aquifer 2 wells (E4D, E5D, E6D, E7D, E9D, E10D, and N2D) reported concentrations ranging between 0.82 and 1.5 µg/L. One detection was also reported at water supply well DNR at 1 µg/L. However, PCE was also detected in the associated laboratory blank at a similar concentration, and all the reported detections are suspected to represent laboratory artifacts.
Trichlorofluoromethane	ND to 80 µg/L	Trichlorofluoromethane was detected at seven CSWF locations during 2024, including three Aquifer 1 wells (E2S, N2S, N3S and S10S) and three Aquifer 2 wells (E2D, E7D and N2D). Aquifer 1 detections ranged between 1.0 and 3.8 µg/L, while Aquifer 2 levels ranged between 0.56 and 80 µg/L. The most elevated trichlorofluoromethane levels occurred in at E7D.
Toluene	ND to 0.49 µg/L	Toluene was detected at well E7D during the third and fourth quarter monitoring events. Non-detections at E7D during the first and second quarters may be attributed to sampling method.
Vinyl Chloride	ND to 10 µg/L	Vinyl chloride was detected above the 0.02 µg/L reporting limit in three Aquifer 1 wells (E1D, E2S, and E4S) and two Aquifer 2 wells (E2D and E7D) 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 7.2 to 10 µg/L).

ND: defined as parameter results below the laboratory reporting limit.
* PCE was detected in the laboratory trip blank associated with these Q3 samples.

The remaining Aquifer 1 or Aquifer 2 monitoring wells downgradient of the former disposal areas did not report any VOC detections during the 2024 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 2024 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 with the exception of a series of anomalous tetrachloroethylene (PCE) detections reported in the third quarter data set. These included PCE detections in nine (9) third quarter samples, all at similar low concentrations ranging between 0.78 and 1.5 µg/L. In addition, the associated laboratory trip blank reported a 1.1 µg/L PCE detection. Given that PCE has not been historically detected in the CSWF monitoring wells, and its presence in the trip blank, the reported third quarter PCE detections are considered to represent a field or laboratory artifact. Data flags have been appended to the 2024 testing results as appropriate. With the above noted exception, the 2024 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 2024 reporting year can be found on Table 5. Water quality criteria for eleven analytes were exceeded during the compliance period as shown below in Exhibit 7.

Exhibit 7. 2024 Groundwater Exceedances

Parameter	WAC 173-200 Groundwater Standard	Notes
Specific Conductance	700 µS/cm*	The WAC 173-200 and secondary drinking water standards for specific conductance were exceeded at least once during 2024 in 9 Aquifer 1 wells, 10 Aquifer 2 wells and two water supply wells.
Sulfate	250 mg/L*	The WAC 173-200 and secondary drinking water standards for Sulfate was exceeded once in Aquifer 2 well E7D.
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, 9 Aquifer 2 wells and two 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 two Aquifer 1 wells (E1S and S10S). Aquifer 2 well E2D also reported nitrate exceedance during the May 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 µg/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 µg/L was also exceeded two of the samples collected from Aquifer 2 well E4D and each of the samples collected from well E9D. 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, these detections does not appear to be related to the landfill.
Iron	300 µg/L *	The WAC 173-200 and secondary drinking water standards for iron were exceeded at least once in six Aquifer 2 wells (E5D, E6D, E7D, E8D, E10D, and N1D) and water supply wells DOT and DNR. 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 15 wells, including two Aquifer 1 wells (E2S and S11S) and eleven Aquifer 2 wells and two water supply wells (DNR and DOT).
1,1-Dichloroethane	1 µg/L	The WAC 173-200 standard for 1,1-Dichloroethane was exceeded twice at Aquifer 2 well E7D.
1,1,1-Trichloroethane	0.02 µg/L	The WAC 173-200 standard for 1,1,1 – trichloroethane was exceeded at two Aquifer 1 wells (N2S and S10S) and two Aquifer 2 wells (E2D and E7D).
Tetrachloroethylene***	0.8 µg/L	The WAC 173-200 standard for tetrachloroethylene was anomalously exceeded at six Aquifer 2 wells and one water supply well during the third quarter monitoring event. However, this series of detections were determined to be laboratory artifacts and do not represent the water quality at these wells.
Vinyl Chloride	0.02 µg/L	The WAC 173-200 groundwater criterion for vinyl chloride was exceeded at least once in five CSWF wells, including: three Aquifer 1 wells (E1D, E2S and E4S) and two Aquifer 2 well (E2D and E7D). 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 or downgradient sentinel wells during 2024.

* Secondary MCL for this parameter is equal to the WAC 173-200 standard.
** Primary MCL for arsenic is 10 µg/L.
*** These detections were reported during Q3 and are suspected artifacts due to PCE contamination in the laboratory trip blank.

Groundwater quality exceedances observed at CSWF during 2024 compliance period remain generally similar to those reported during previous monitoring years.

3.3 EVALUATION OF GROUNDWATER QUALITY

3.3.1 Spatial Distribution

Groundwater analytical and field parameter results for the 2024 reporting year reflect the continuing influence of past waste disposal activities on groundwater quality at the CSWF. As noted in previous 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
- 1,1-dichloroethane
- 1,1,1 - trichloroethane
- tetrachloroethylene
- 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 wells E2D and E7D, which contain 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. 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. On the whole, these trends are generally similar to those reported during past compliance years and are overall indicative of stable groundwater conditions. In addition, it appears that short term statistical results for E7D were affected through the temporary use of a deployable sampling pump during late 2023 and early 2024. As illustrated on the parameter time series charts, E7D reported variable and anomalously low inorganic results

(including alkalinity, chloride, sulfate, TOC and TDS) over this period which appear to have subsequently returned to historical ranges after the new dedicated pump was installed.

Exhibit 8. Summary of Short-Term (2023-2024) Concentration Trends

Parameter	Aquifer Type	Wells with Increasing Trends	Wells with Decreasing Trends
Specific Conductance	1	None	None
	2	None	None
	WS	None	None
Nitrate/Nitrite, total	1	None	None
	2	None	None
	WS	None	None
Sulfate	1	None	None
	2	E6D	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	N2D	None
	WS	None	None
Manganese	1	None	None
	2	E7D	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 (2020-2024) series diagrams (C1 through C34) attached to Appendix C. As illustrated by these time-series charts, the short term increasing trends identified for sulfate, iron and manganese are relatively subdued.

3.3.3 Groundwater Geochemistry

The geochemical character of groundwater collected from Aquifer 1, Aquifer 2 and the water supply wells during the 2024 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 2024 compliance period reported relative percent differences (RPD) ranging within (+/-) ten percent of neutral. 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 2024.

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 2024 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 2024 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 2024, with the exception of four low-level detections (ranging from 1.7 to 1.9 percent volume) at GP-13D, GP-15S and GP-17D/S. These isolated detections were all recorded during the same event (November 2024). 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 2024 in these probes ranged widely, from 0 to 54.6 percent by volume.

Carbon dioxide was reported during 2024 in all LFG probes, ranging from less than 0.3 to 18.5 percent by volume. Depressed oxygen concentrations were recorded during the reporting period in almost all of the LFG probes at values ranging between 0.0 and 20.3 percent by volume. Three subsurface probes (GP-13S, GP-6D and GP-S6S) reported oxygen concentrations above 20.3 during 2024, with most probes only reporting a single elevated measurement.

4.2.2 Structures – Scale House

Methane and carbon dioxide were not measured above the 0.3 percent instrument detection limit in the scale house/office during the 2024 monitoring events. Indoor oxygen measurements were observed to range between 20.3 and 20.7 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 2024 monitoring results continue to 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 2024.

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 4, 2024, the LFG extraction system operated an average of 4.95 hours per day and the SVE system operated an average of 9.79 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 2024.

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 32,342 hours between November 22, 2005 and December 4, 2024. Over this time the system has extracted an estimated 90,267,289 cubic feet of LFG from the refuse mass. The rate of extraction was initially at 120 standard cubic feet per minute (scfm), but has been gradually reduced to an average of approximately 95.3 scfm during 2024, as extraction rates have converged with gas generation rates. The LFG composition at the blower inlet averaged 51.3 percent methane, 18.0 percent carbon dioxide, and 032 percent oxygen during 2024.

The SVE system operated under a daily intermittent cycle for a total of 63,949 hours from November 22, 2005 through December 4, 2024. During this time it has extracted an estimated 174,787,054 cubic feet of soil vapor/LFG from the native soil below the disposal areas. The rate of extraction was approximately 70.9 scfm during 2024. The soil vapor/LFG composition at the blower inlet averaged 11.1 percent methane, 13.1 percent carbon dioxide, and 4.6 percent oxygen in 2024.

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 4, 2024, a total of 341,716 gallons of stormwater were pumped from the collection system sump and discharged to the infiltration pond west of the disposal areas. A total of 18,677 gallons of stormwater were pumped through the collection system during the 2024 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 (90,267,289 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 51.3 percent methane, 18.0 percent carbon dioxide, and 0.3 percent oxygen during 2024.

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 (174,787,054 cubic feet).
- The gas composition at the SVE blower inlet averaged 11.1 percent methane, 13.1 percent carbon dioxide, and 4.6 percent oxygen in 2024.

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 18,677 gallons of stormwater was removed during the 2024 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 2024 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.

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 2024 remained stable or were slightly lower in most of the groundwater monitoring wells reporting detections. Overall, the 2024 results confirm that the continuation of the optimized groundwater monitoring program is warranted.

LFG monitoring results through 2024 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 adjusted and/or 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
2024 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
4Q24	136.99	66.99	137.25	67.01	136.64	66.08	140.56	64.48	134.47	69.36	138.82	65.05	144.02	64.00	135.12	70.53	133.54	71.45	109.81	85.34
2Q24	137.46	66.52	137.01	67.25	136.49	66.23	142.42	62.62	134.30	69.53	138.40	65.43	143.86	64.16	134.81	73.21	133.67	71.98	109.71	85.44
4Q23	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
2Q23	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
4Q22	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
2Q22	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
4Q21	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
2Q21	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
4Q20	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
2Q20	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

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
2024 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**
4Q24	145.88	56.64	148.66	55.47	151.22	54.18	142.94	55.62	145.73	57.24	143.71	56.79	146.82	56.31	159.73	50.02	161.00	49.01	133.88	57.63	145.80	57.68	147.96	56.43	147.26	57.58	157.97	49.85	144.49	60.58
3Q24	146.05	56.47	--	--	151.41	53.99	142.96	62.44	146.90	58.50	143.84	61.56	146.74	58.66	160.01	45.39	161.25	44.15	--	--	145.87	57.61	--	--	--	--	--	--	--	--
2Q24	145.87	56.65	148.88	55.47	151.36	54.04	142.84	62.56	145.77	59.63	143.66	61.74	146.57	58.83	159.98	45.42	161.13	44.27	--	--	145.68	57.80	147.76	--	137.44	66.95	155.98	48.41	144.51	59.88
1Q24	145.96	56.56	--	--	151.28	54.12	142.99	62.41	145.86	59.54	143.71	61.69	146.85	58.55	159.63	45.77	--	--	--	--	146.06	57.42	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
4Q20	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
3Q20	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	--	--	--	--	--	--	--	--
2Q20	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
1Q20	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	--	--	--	--	--	--	--	--

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 2020 through 2024 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
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E1D		E1S		E2S		E4S		N2S		N3S		NE1S		S10S		S11S	
	Units	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4
Field Measurements																			
Dissolved Oxygen	mg/L	0.41	0.58	6.28	7.14	0.89	0.84	2.25	1.9	4.06	2.63	6.62	5.7	5.61	6.16	3.07	3.48	0.46	0.84
ORP	mV	24.5	63.9	77.6	108.6	12.3	68.6	109.7	115.8	186.7	177.8	165.7	31.7	142.3	-29.7	91.2	55.2	-74.3	28.1
pH	SU	7.04	7.00	7.00	7.00	6.78	6.71	7.03	6.94	6.95	7.26	7.13	6.89	7.01	6.97	6.80	6.85	7.60	7.04
Specific Conductivity	µS/cm	1670	1592	1170	1094	1065	1077	1150	1093	1203	1312	958	1008	854	787	1123	1093	849	704
Temperature	deg-C	11.5	11	11.4	11.9	13	13.3	10.6	10.6	13.3	14	12.7	12.9	12.8	13.2	14.2	13.7	10.1	9.7
Turbidity	NTU	190.2	173.9	3.5	3.3	2.3	3.63	6.8	32.6	4.2	6.61	15	14.68	3.6	3.3	23	3.4	3.7	3.2
General Chemistry																			
Alkalinity, Total	mg/L	650	640	—	—	430	500	460	490	530	620	380	420	320	330	350	360	320	350
Alkalinity, Bicarbonate	mg/L	650	640	—	—	430	500	460	490	530	620	380	420	320	330	350	360	320	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	0.075 U	0.075 U	0.075 U
Calcium	mg/L	150	160	—	—	120	130	140	140	130	150	110	120	110	120	100	110	72	79
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	99	110	—	—	20	20	22	21	21	22	31	31	24	26	61	58	62	58
Fluoride	mg/L	0.45 U	0.45 U	—	—	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Magnesium	mg/L	110	110	—	—	52	53	54	51	74	75	45	45	41	39	68	63	53	51
Potassium	mg/L	8.5	8.9	—	—	6.7	6.8	6.4	6.1	9.3	9.6	5.9	5.9	5.6	5.9	5.8	5.9	6.1	6.7
Sodium	mg/L	42	43	—	—	28	29	30	29	32	33	28	28	20	21	26	26	34	35
Sulfate	mg/L	120	120	—	—	43	42	43	44	52	53	43	43	110	180	68	67	30	29
Total Dissolved Solids	mg/L	1000	1100	—	—	690	440	650	590	730	740	590	590	640	610	680	630	560	520
Total Nitrate/Nitrite	mg-N/L	0.15 U	0.1 U	14	14	4.6	3.8	6.1	5.4	5.6	5.4	5.8	8.4	4.8	5.5	15	23	0.15 U	0.1 U
Total Organic Carbon	mg/L	1.5 U	1.5 U	—	—	1.3	1.5 U	1.2	1.5 U	1.6	1.5 U	1.3	1.5 U	1.5 U	1.5 U	1.5 U	1.7	2	2.2
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	0.8 U	0.8 U	0.8 U	0.8 U
Arsenic	ug/L	7.4	5.3	—	—	1.4	1.3	2.4	2.4	1.2	1.2	2.4	2.4	2.3	2.3	2.1	2.0	5.7	6.1
Barium	ug/L	57	46	—	—	45	45	44	42	44	44	33	32	35	37	30	27	32	33
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
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	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chromium	ug/L	5.5	0.88	—	—	0.8 U	0.8 U	4.9	4.9	16	33	10.0	9.5	4.4	4.5	11	12	0.8 U	0.8 U
Cobalt	ug/L	1.8	0.94	—	—	0.82	0.81	0.4 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
Copper	ug/L	4	2 U	—	—	2 U	2 U	2 U	2 U	2 U	2 U	4.7	2 U	3.3	2.7	2 U	2 U	2 U	2 U
Iron	ug/L	2800	500	—	—	120	0.1 U	110	0.1 U	110	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	130	0.1 U
Lead	ug/L	1.9	0.44	—	—	0.4 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
Manganese	ug/L	48	54	—	—	460	470	20 U	2.4	20 U	11	20 U	5 U	20 U	5 U	20 U	5 U	180	180
Nickel	ug/L	11	6.3	—	—	4.4	4.3	3 U	3 U	3 U	3 U	3.6	3.7	4.5	4.8	3.1	3.4	3 U	3 U
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	0.4 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
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	11	5.9	—	—	4 U	4 U	5.9	6	4.5	4.7	5.5	5.4	5.1	5	4.5	4.3	4 U	4 U
Zinc	ug/L	7	7 U	—	—	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	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
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
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E2D				E3D		E4D				E5D				E6D			
	Units	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4
Field Measurements																			
Dissolved Oxygen	mg/L	1.99	1.5	2.23	1.69	1.72	2.25	1.53	2.33	1.90	1.22	0.95	8.6	1.43	1.05	1.1	1.12	1.55	1.27
ORP	mV	82.1	43.8	71.6	128.6	74.6	87.8	-77.2	15.1	-55.9	49.5	-69.3	-89.3	-126.1	-11.7	-163.9	-177.8	-182	-177.7
pH	SU	6.78	6.67	6.72	6.62	7.77	7.64	7.94	7.77	8.06	7.74	7.10	7.17	7.38	7.03	7.56	7.49	7.51	7.44
Specific Conductivity	µS/cm	1,341	1371	1315	1361	706	741	558	524	534	537	1420	1487	1353	1448	761	770	757	780
Temperature	deg-C	12.5	13.1	13.9	13.7	10.9	11	10.8	10.6	12.4	10.7	11.1	11.5	13.8	11.5	14.3	14.8	16	15.5
Turbidity	NTU	3.07	6.8	3.1	5.82	2.8	3.3	6.26	4	3.40	12.1	3	3	3	3.5	3.21	2.1	4.3	2.72
General Chemistry																			
Alkalinity, Total	mg/L	NA	480	NA	520	290	330	NA	200	NA	250	750	710	770	770	330	310	350	360
Alkalinity, Bicarbonate	mg/L	NA	480	NA	520	290	330	NA	200	NA	250	750	710	770	770	330	310	350	360
Ammonia	mg-N/L	NA	0.075 U	NA	0.075 U	0.075 U	0.075 U	NA	0.075 U	NA	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
Calcium	mg/L	NA	150	NA	150	65	68	NA	45	NA	53	160	180	180	200	63	68	70	75
Chemical Oxygen Demand	mg/L	NA	10 U	NA	10 U	10 U	10 U	NA	10 U	NA	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	10 U
Chloride	mg/L	NA	43	NA	44	34	34	NA	32	NA	30	26	28	25	28	18	17	17	17
Fluoride	mg/L	NA	0.45 U	NA	0.45 U	0.45 U	0.45 U	NA	0.45 U	NA	0.45 U	0.2 U	0.45 U	0.45 U	0.45 U	0.2 U	0.45 U	0.45 U	0.45 U
Magnesium	mg/L	NA	79	NA	76	43	41	NA	33	NA	34	78	90	90	90	33	37	38	37
Potassium	mg/L	NA	8.1	NA	8	6.5	6.4	NA	11	NA	11	7.9	8.7	8.5	8.8	5.6	6.2	5.6	6.2
Sodium	mg/L	NA	32	NA	32	26	26	NA	25	NA	25	34	37	36	38	33	34	34	34
Sulfate	mg/L	NA	91	NA	92	15	15	NA	14	NA	15	38	39	40	40	29	29	29	27
Total Dissolved Solids	mg/L	NA	840	NA	830	420	350	NA	310	NA	260	880	940	860	810	420	520	400	440
Total Nitrate/Nitrite	mg-N/L	NA	15	NA	18	0.15 U	0.1 U	NA	0.15 U	NA	0.1 U	0.4 U	0.15 U	0.4 U	0.1 U	0.4 U	0.15	0.15 U	0.1 U
Total Organic Carbon	mg/L	NA	2.4	NA	1.9	1.4	1.5 U	NA	2.2	NA	1.8	2.5	2.3	2	1.8	1.7	1.3	1.5 U	1 U
Metals																			
Antimony	ug/L	NA	0.8 U	NA	0.8 U	0.8 U	0.8 U	NA	0.8 U	NA	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
Arsenic	ug/L	NA	1.9	NA	1.7	6.7	6.2	NA	17	NA	15	6.9	6.6	5.7	6.3	1.6	2	2.1	2.1
Barium	ug/L	NA	36	NA	34	30	27	NA	39	NA	46	85	85	85	86	82	79	76	76
Beryllium	ug/L	NA	0.4 U	NA	0.4 U	0.4 U	0.4 U	NA	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	NA	0.4 U	NA	0.4 U	0.4 U	0.4 U	NA	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
Chromium	ug/L	NA	0.8 U	NA	0.8 U	0.8 U	0.8 U	NA	0.8 U	NA	0.86	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cobalt	ug/L	NA	0.4 U	NA	0.4 U	0.4 U	0.4 U	NA	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
Copper	ug/L	NA	2 U	NA	2 U	2 U	2 U	NA	2 U	NA	2 U	2 U	2 U	2 U	2 U	2 U	3.9	2 U	2 U
Iron	ug/L	NA	110	NA	0.1 U	0.1 U	0.1 U	NA	170	NA	460	0.3 U	2200	1900	2000	0.3 U	1800	1800	1900
Lead	ug/L	NA	0.4 U	NA	0.4 U	0.4 U	0.4 U	NA	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	0.55	0.4 U
Manganese	ug/L	NA	58	NA	49	300	230	NA	93	NA	85	390	350	410	440	510	550	510	530
Nickel	ug/L	NA	8.2	NA	7.9	3 U	3 U	NA	3 U	NA	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Selenium	ug/L	NA	8 U	NA	8 U	8 U	8 U	NA	8 U	NA	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U	8 U
Silver	ug/L	NA	0.4 U	NA	0.4 U	0.4 U	0.4 U	NA	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	NA	1 U	NA	1 U	1 U	1 U	NA	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	ug/L	NA	5.7	NA	5.3	4 U	4 U	NA	4 U	NA	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Zinc	ug/L	NA	7 U	NA	7 U	7 U	7 U	NA	7 U	NA	7 U	7 U	7 U	7 U	7 U	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 sampled for VOCs 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

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

Parameter	Location	E7D				E8D				E9D				E10D				N1D	
	Units	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4
Field Measurements																			
Dissolved Oxygen	mg/L	0.62	0.03	0.91	0.65	0.79	0.94	1.38	1.38	2.25	1.6	1.45	1.58	1.27	1.36	1.18	1.34	1.38	1.51
ORP	mV	-110.4	-286	35.7	59.7	-125.9	-128.9	-155	-46.2	9.6	-49.8	-34.2	-44.1	-956	-120.7	-139.9	-116.2	-54.8	-62.8
pH	SU	7.40	7.99	6.57	6.48	7.64	7.68	7.79	7.55	8.30	8.14	8.33	8.62	7.38	7.40	7.53	7.64	7.22	7.62
Specific Conductivity	µS/cm	179.8	208	1816	1860	554	572	590	535	533	506	522	532	980	933	1001	988	1340	1398
Temperature	deg-C	13.8	14.4	14.8	14.5	10	10.7	12	10.8	9.5	10.8	11.3	11.4	10	10.7	11	11.1	11.9	13.1
Turbidity	NTU	50	0	14.7	3.47	3.1	3.4	3.3	3.8	5.57	3.3	3.5	3.77	3.18	2.67	3	3.88	2.3	2.81
General Chemistry																			
Alkalinity, Total	mg/L	67	93	780	760	270	240	300	270	190	160	200	190	410	380	450	410	390	460
Alkalinity, Bicarbonate	mg/L	67	93	780	760	270	240	300	270	190	160	200	190	410	380	450	410	390	460
Ammonia	mg-N/L	0.62	0.99	0.11	0.082	0.075 U	0.075 U	0.075 U	0.075 U	0.076	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
Calcium	mg/L	19	27	260	250	53	55	56	59	27	29	29	31	91	99	100	110	110	110
Chemical Oxygen Demand	mg/L	39	10	54	47	10 U	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	14
Chloride	mg/L	9.5	10	39	37	12	12	13	12	41	41	42	41	55	59	61	55	100	100
Fluoride	mg/L	0.2 U	0.45 U	0.45 U	0.45 U	0.2 U	0.45 U	0.45 U	0.45 U	0.2 U	0.45 U	0.45 U	0.45 U	0.2 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Magnesium	mg/L	1.9	4.7	110	100	29	31	32	31	32	34	34	34	53	60	65	61	94	90
Potassium	mg/L	3.3 U	3.3 U	9.5	9.8	5.1	5.3	5.2	5.3	14	14	14	15	7.1	7.7	7.7	7.8	9.4	9.1
Sodium	mg/L	8.2	11	42	41	24	25	24	25	15	15	15	15	29	31	31	32	47	46
Sulfate	mg/L	4.9	1.5 U	280	130	23	23	23	22	18	19	18	18	47	49	50	48	140	130
Total Dissolved Solids	mg/L	67	120	1200	1200	310	300	300	340	260	290	270	280	520	520	610	600	830	880
Total Nitrate/Nitrite	mg-N/L	0.4 U	0.15 U	2	2.1	0.4 U	0.15 U	0.4 U	0.1 U	0.4 U	0.15 U	0.15 U	0.1 U	0.4 U	0.15 U	0.15 U	0.1 U	0.15 U	0.1 U
Total Organic Carbon	mg/L	4.2	5.1	18	18	0.97	1	1.5 U	1.5 U	1.3	1.3	1.5 U	1 U	1.5	1.5	1.5	1.5 U	3.5	3.1
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	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Arsenic	ug/L	1.3	1 U	2	2	5.3	7.3	5	5.2	23	21	21	22	7	6.6	6	6.5	5.7	5.2
Barium	ug/L	49	47	63	60	64	69	61	58	25	25	28	26	46	45	52	49	99	96
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	0.4 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
Chromium	ug/L	6.8	3.6	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	0.8 U	0.8 U	0.8 U	0.8 U
Cobalt	ug/L	1.7	0.66	2.7	3.0	0.4 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
Copper	ug/L	14	10	2.3	2.9	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
Iron	ug/L	0.3 U	1900	390	0.1 U	0.3 U	2600	1200	1100	0.3 U	130	110	0.1 U	0.3 U	800	870	790	410	280
Lead	ug/L	13	4.4	3.4	0.4 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
Manganese	ug/L	120	200	600	610	310	330	270	280	26	30	26	33	87	91	83	81	340	300
Nickel	ug/L	6.6	3.5	22	26	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	8.1	7.6
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	0.4 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	1 U	1 U
Vanadium	ug/L	4 U	4 U	7.7	7.9	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Zinc	ug/L	440	270	10	11	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U

Notes:

deg-C = degress Celsius

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

mV = milivolts

mg N/L = miligrams of nitrogen per liter

NA = Monitoring Wells E2D and E4D were only san

NTU = nepthelometric turbidity units

ORP = oxidation reduction potential

SU = Standard units

µS/cm = microSiemens per centimeter

U = not detected above reporting limit

Table 2B. Field Parameter, General Chemistry, and Inorganic Results - Aquifer 2
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Parameter	Location	N2D				N3D		N5D		NE1D		S11D	
	Units	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4
Field Measurements													
Dissolved Oxygen	mg/L	0.49	1.06	1.07	1.14	1.67	1.71	1.65	1.98	1.38	1.44	0.98	1.44
ORP	mV	56.1	159.7	107.7	119.5	130	102.6	109.2	133.3	99.7	-54.7	-63.8	-25.9
pH	SU	6.95	7.00	6.99	7.37	7.52	7.21	7.24	7.59	7.39	7.26	7.62	7.51
Specific Conductivity	µS/cm	1196	1122	1141	1177	642	675	1285	1345	606	593	849	715
Temperature	deg-C	12.7	13.3	13.7	13.9	12.7	13.3	10.9	11.7	13.3	12.7	10.1	9.8
Turbidity	NTU	2.7	2.4	3.9	3.1	3.5	3.78	2.2	5.31	4.1	3.7	6.5	4.8
General Chemistry													
Alkalinity, Total	mg/L	420	380	450	410	230	260	450	500	240	250	320	340
Alkalinity, Bicarbonate	mg/L	420	380	450	410	230	260	450	500	240	250	320	340
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	0.079	0.075 U
Calcium	mg/L	99	100	100	100	71	75	110	110	54	58	68	74
Chemical Oxygen Demand	mg/L	10	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	75	75	76	75	38	39	87	86	36	37	73	73
Fluoride	mg/L	0.2 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Magnesium	mg/L	69	71	65	68	29	27	88	86	36	34	54	52
Potassium	mg/L	7.9	8.4	8.5	8.1	6.3	6.2	9.9	9.8	5.6	5.9	6.9	7.4
Sodium	mg/L	40	41	40	40	22	22	45	45	25	26	35	36
Sulfate	mg/L	72	73	73	71	27	26	86	85	39	38	33	32
Total Dissolved Solids	mg/L	670	630	590	680	430	320	760	760	380	320	560	490
Total Nitrate/Nitrite	mg-N/L	4.6	1.8	3.9	4.2	0.15 U	0.1 U	0.15 U	0.1 U	0.62	0.1 U	0.15 U	0.1 U
Total Organic Carbon	mg/L	2.2	2.2	1.9	1.8	0.98	1.5 U	2.6	2	1.5	1.5 U	1.8	2.2
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
Arsenic	ug/L	3	3	3.1	2.6	8.7	8	3.3	2.9	7.4	7.3	7.9	8.1
Barium	ug/L	28	27	27	25	31	29	82	78	16	16	43	42
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
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	0.4 U	0.4 U	0.4 U
Chromium	ug/L	0.8 U	0.8 U	0.87	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	1.2	1.3	0.8 U	0.8 U
Cobalt	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
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	2 U
Iron	ug/L	0.3 U	0.1 U	0.1 U	0.1 U	250	130	0.1 U	0.1 U	0.1 U	0.1 U	510	420
Lead	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
Manganese	ug/L	20 U	21	16	15	31	46	130	97	20 U	11	150	140
Nickel	ug/L	4.7	4.5	4	4.2	3 U	3 U	6.9	6.6	3 U	3 U	3 U	3 U
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
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	0.4 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
Vanadium	ug/L	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Zinc	ug/L	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U

Notes:

deg-C = degress Celsius

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

mV = milivolts

mg N/L = miligrams of nitrogen per liter

NA = Monitoring Wells E2D and E4D were only san

NTU = nepthelometric turbidity units

ORP = oxidation reduction potential

SU = Standard units

µS/cm = microSiemens per centimeter

U = not detected above reporting limit

Table 2C. Field Parameter, General Chemistry, and Inorganic Results - Water Supply Wells
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Parameter	Location	DNR				DOT		WR1			
	Units	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4	24Q1	24Q2	24Q3	24Q4
Field Measurements											
Dissolved Oxygen	mg/L	3.76	2.15	4.95	3.89	2.54	7.25	6.03	3.67	4.51	4.8
ORP	mV	-30.4	20.4	9.4	137.5	132.5	45.8	105.5	44.6	92.7	81
pH	SU	7.79	7.42	8.15	7.60	6.79	7.57	7.44	7.27	7.54	7.51
Specific Conductivity	µS/cm	729	782	912	894	697	662	893	820	880	881
Temperature	deg-C	7.4	12.7	16.6	13	10.9	13.9	6.6	11.3	16.6	12.8
Turbidity	NTU	5.8	2.2	3.7	2.14	2	4.3	3.4	1.2	0.7	0.53
General Chemistry											
Alkalinity, Total	mg/L	340	310	340	310	340	350	330	310	350	330
Alkalinity, Bicarbonate	mg/L	340	310	340	310	340	350	310	310	350	330
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
Calcium	mg/L	61	79	83	85	64	69	74	74	75	81
Chemical Oxygen Demand	mg/L	10 U	10 U	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloride	mg/L	23	63	63	62	23	23	54	54	56	54
Fluoride	mg/L	0.2 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.2 U	0.45 U	0.45 U	0.45 U
Magnesium	mg/L	43	50	51	48	48	46	45	49	45	46
Potassium	mg/L	6.1	5.5	5.5	5.6	6.4	6.6	5.1	5.2	4.9	5.6
Sodium	mg/L	25	30	31	30	26	27	30	32	30	33
Sulfate	mg/L	26	61	61	59	26	26	47	47	48	47
Total Dissolved Solids	mg/L	400	570	470	510	480	380	510	600	480	420
Total Nitrate/Nitrite	mg-N/L		0.28	0.4 U	0.29	0.15 U	0.1 U		1.7	0.4 U	1.8
Total Organic Carbon	mg/L	1.2	1.8	2.2	2	1.5 U	1.5 U	1.8	1.5	1.7	1.7
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
Arsenic	ug/L	6.9	3.3	3.7	3.8	6.5	6.2	3.2	3.1	3.2	3.1
Barium	ug/L	32	21	24	21	30	30	24	24	25	23
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
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	0.4 U
Chromium	ug/L	0.8 U	2.5	3.5	3.1	0.8 U	0.8 U	1.4	1.9	1.8	1.6
Cobalt	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
Copper	ug/L	2	3.2	2 U	2 U	2 U	2 U	52	27	49	28
Iron	ug/L	0.3 U	190	310	230	720	660	0.3 U	0.1 U	120	0.1 U
Lead	ug/L	0.44	0.4 U	14	0.4 U	0.4 U	0.4 U	0.84	0.4 U	3	0.4
Manganese	ug/L	170	20 U	7.8	6.1	180	160	20 U	20 U	4.1	5 U
Nickel	ug/L	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Selenium	ug/L	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	0.4 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
Vanadium	ug/L	4 U	6.1	6	6.4	4 U	4 U	4 U	4 U	4 U	4 U
Zinc	ug/L	140	12	10	7 U	50	110	63	28	36	49

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 3A. Volatile Organic Compound Results - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	E1D		E2S		E4S		N2S		N3S		NE1S		S10S		S11S	
	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4
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	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.26	0.25	0.2 U	0.2 U	0.2 U	0.2 U	0.41	0.42	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	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 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	0.3 U	0.3 U
1,2 - Dichloroethane	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
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	0.4 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
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	0.2 U	0.2 U	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	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
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	3.1	0.5 U	0.5 U	3.0	3.4	1.0	1.1	0.5 U	0.5 U	3.6	3.8	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	0.1 U	0.077	0.02 U	0.025	0.023	0.045	0.02 U	0.02 U	0.02 U	0.02 U	0.1 U	0.02 U	0.1 U	0.02 U	0.1 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
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Coupeville Solid Waste Facility, Island County, Washington

Parameter	E2D				E3D		E4D				E5D				E6D				E7D				E8D				E9D				E10D				N1D	
	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4
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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.47	0.43	0.42	0.48	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.41	0.48	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	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	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-Dichloroethane	0.27	0.2	0.2	0.23	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.5	2.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 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	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	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
1,2-Dibromoethane (EDB)	0.2 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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-1,3-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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	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	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	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	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	1 U	1 U	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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	1.5	0.5 U	0.5 U	0.5 U	0.92	0.5 U	0.5 U	0.5 U	0.82	0.5 U	0.5 U	0.5 U	0.96	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.88	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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.49	0.43	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	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	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	3.0	2.6	2.8	2.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	73	80	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	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	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	10	7.2	10	10	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.77	0.88	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	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

Table 3B. Volatile Organic Compound Results - Aquifer 2
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Parameter	N2D				N3D		N5D		NE1D		S11D	
	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4	24Q2	24Q4
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	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	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
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	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	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
1,2,3-Trichloropropane	0.1 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 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	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dibromoethane (EDB)	0.2 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 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	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	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	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
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
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
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
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
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
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
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
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
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
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
Carbon Disulfide	0.3 U	0.4 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
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
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
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	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	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.2 U	0.2 U	0.2 U	0.2 U	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-1,2-Dichloroethylene	0.5 U	0.5 U	0.5 U	0.5 U	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-1,3-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
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
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
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
m, p-Xylene	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	5 U	5 U	5 U	5 U	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	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	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethylene	0.5 U	0.5 U	0.78	0.5 U	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	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
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
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
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
Trichlorofluoromethane	0.56	0.59	0.66	0.66	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	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	0.1 U	0.02 U	0.1 U	0.1 U	0.02 U

Notes:
All concentrations presented in micr
U = not detected above reporting

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

Parameter	DNR				DOT		WR1			
	24Q1	24Q2	24Q3	24Q4	24Q2	24Q4	24Q1	24Q2	24Q3	24Q4
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	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	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
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	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	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
1,2,3-Trichloropropane	0.1 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.1 U	0.15 U	0.15 U	0.15 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	0.3 U	0.3 U
1,2-Dibromoethane (EDB)	0.2 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.2 U	0.25 U	0.25 U	0.25 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	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	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	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
2-Butanone (MEK)	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
4-Methyl-2-Pentanone	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
Acrylonitrile	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
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
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
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
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
Carbon Disulfide	0.3 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.4 U	0.4 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
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
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	0.2 U	0.2 U
Chloroform	0.5 U	0.45	0.22	1.5	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	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-1,3-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
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
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
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
m, p-Xylene	0.5 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Methyl Iodide	5 U	5 U	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	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	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	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethylene	0.5 U	0.5 U	0.5 U	1.0	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	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
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
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
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
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	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
Vinyl chloride	0.02 U	0.1 U	0.02 U	0.02 U	0.1 U	0.02 U	0.02 U	0.1 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
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Coupeville Solid Waste Facility, Island County, Washington

Parameter	Well Name	Aquifer	Date Sampled	Result
1,1,1-Trichloroethane	E2D	2	3/5/2024	0.47
			5/22/2024	0.43
			8/6/2024	0.42
			10/9/2024	0.48
	E7D	2	8/6/2024	0.41
			10/9/2024	0.48
	N2S	1	5/21/2024	0.26
			10/8/2024	0.25
	S10S	1	5/22/2024	0.41
			10/10/2024	0.42
1,1-Dichloroethane	E2D	2	3/5/2024	0.27
			5/22/2024	0.2
			8/6/2024	0.2
			10/9/2024	0.23
	E7D	2	8/6/2024	2.5
			10/9/2024	2.6
Chloroform	DNR	2	5/23/2024	0.45
			8/7/2024	0.22
			10/9/2024	1.5
Tetrachloroethylene	DNR	2	8/7/2024	1.0
	E10D	2	8/7/2024	0.88
	E4D	2	8/7/2024	1.5
	E5D	2	8/7/2024	0.92
	E6D	2	8/6/2024	0.82
	E7D	2	8/6/2024	0.96
	E9D	2	8/7/2024	0.90
	N2D	2	8/6/2024	0.78
Toluene	E7D	2	8/6/2024	0.49
			10/9/2024	0.43
Trichlorofluoromethane	E2D	2	3/5/2024	3.0
			5/22/2024	2.6
			8/6/2024	2.8
			10/9/2024	2.9
	E2S	1	5/22/2024	2.6
			10/9/2024	3.1
	E7D	2	8/6/2024	73
			10/9/2024	80
	N2D	2	3/5/2024	0.56
			5/21/2024	0.59
			8/6/2024	0.66
			10/8/2024	0.66
	N2S	1	5/21/2024	3.0
			10/8/2024	3.4
	N3S	1	5/21/2024	1.0
			10/9/2024	1.1
	S10S	1	5/22/2024	3.6
			10/10/2024	3.8
Vinyl Chloride	E1D	1	10/9/2024	0.077
	E2D	2	3/5/2024	10
			5/22/2024	7.2
			8/6/2024	10
			10/9/2024	10
	E2S	1	10/9/2024	0.025
	E4S	1	5/21/2024	0.023
			10/8/2024	0.045
	E7D	2	8/6/2024	0.77
			10/9/2024	0.88

Table 5. WAC 173-200 and Federal MCL Exceedences
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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	-	-	700[a]	DNR	2	3/5/2024	729
						5/23/2024	782
						8/7/2024	729
						10/9/2024	894
				E10D	2	3/5/2024	980
						5/21/2024	933
						8/7/2024	980
						10/8/2024	988
				E1D	1	5/23/2024	1670
						10/9/2024	1592
				E1S	1	5/23/2024	1170
						10/9/2024	1094
				E2D	2	3/5/2024	1341
						5/22/2024	1371
						8/6/2024	1315
						10/9/2024	1361
				E2S	1	5/22/2024	1065
						10/9/2024	1077
				E3D	2	5/21/2024	706
						10/8/2024	741
				E4S	1	5/21/2024	1150
						10/8/2024	1093
				E5D	2	3/5/2024	1420
						5/21/2024	1487
						8/7/2024	1353
						10/8/2024	1448
				E6D	2	3/5/2024	761
						5/22/2024	770
						8/6/2024	757
						10/9/2024	780
				E7D	2	10/9/2024	1860
				N1D	2	5/21/2024	1340
						10/8/2024	1398
				N2D	2	3/5/2024	1196
						5/21/2024	1122
						8/6/2024	1141
						10/8/2024	1177
				N2S	1	5/21/2024	1203
						10/8/2024	1312
				N3S	1	5/21/2024	958
						10/9/2024	1008
				N5D	2	5/21/2024	1285
						10/8/2024	1345
				NE1S	1	5/23/2024	854
						10/9/2024	787
				S10S	1	5/22/2024	1123
						10/9/2024	1093
				S11D	2	5/23/2024	849
						10/10/2024	715
				S11S	1	5/23/2024	849
						10/10/2024	704
				WR1	2	3/5/2024	893
						5/23/2024	820
						8/7/2024	880
						10/9/2024	881

Table 5. WAC 173-200 and Federal MCL Exceedences
2024 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				
General Chemistry							
Sulfate (mg/L)	250			E7D	2	8/6/2024	280
Total Dissolved Solids (mg/L)	500			DNR	2	5/23/2024	570
						10/9/2024	510
				E10D	2	3/5/2024	520
						5/21/2024	520
						8/7/2024	610
						10/8/2024	600
				E1D	1	5/23/2024	1000
						10/9/2024	1100
				E2D	2	5/22/2024	840
						10/9/2024	830
				E2S	1	5/22/2024	690
				E4S	1	5/21/2024	650
						10/8/2024	590
				E5D	2	3/5/2024	880
						5/21/2024	940
						8/7/2024	860
						10/8/2024	810
				E6D	2	3/5/2024	420
						5/22/2024	520
				E7D	2	8/6/2024	1200
						10/9/2024	1200
				N1D	2	5/21/2024	830
						10/8/2024	880
				N2D	2	3/5/2024	690
						5/21/2024	630
						8/6/2024	590
						10/8/2024	680
				N2S	1	5/21/2024	730
						10/8/2024	740
				N3S	1	5/21/2024	590
						10/9/2024	590
				N5D	2	5/21/2024	760
						10/8/2024	760
				NE1S	1	5/23/2024	640
						10/9/2024	610
				S10S	1	5/22/2024	680
						10/9/2024	630
				S11D	2	5/23/2024	560
				S11S	1	5/23/2024	560
						10/10/2024	520
				WR1	2	3/5/2024	510
						5/23/2024	600
Total Nitrate/Nitrite (mg/L)	10	10	-	E1S	1	5/23/2024	14
						10/9/2024	14
				E2D	2	5/22/2024	15
						10/9/2024	18
				S10S	1	5/22/2024	15
						10/10/2024	23

Table 5. WAC 173-200 and Federal MCL Exceedences
2024 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				
Metals							
Arsenic (µg/L)	0.05	10	-	DNR	2	3/5/2024	6.9
						5/23/2024	3.3
						8/7/2024	3.7
						10/9/2024	3.8
				DOT	2	5/23/2024	6.5
						10/8/2024	6.2
				E10D	2	3/5/2024	7.0
						5/21/2024	6.6
						8/7/2024	6.0
						10/8/2024	6.5
				E1D	1	5/23/2024	7.4
						10/9/2024	5.3
				E2D	2	5/22/2024	1.9
						10/9/2024	1.7
				E2S	1	5/22/2024	1.4
						10/9/2024	1.3
				E3D	2	5/21/2024	6.7
						10/8/2024	6.2
				E4D	2	5/21/2024	17
						10/8/2024	15
				E4S	1	5/21/2024	2.4
						10/8/2024	2.4
				E5D	2	3/5/2024	6.9
						5/21/2024	6.6
						8/7/2024	5.7
						10/8/2024	6.3
				E6D	2	3/5/2024	1.6
						5/22/2024	2.0
						8/6/2024	2.1
						10/9/2024	2.1
				E7D	2	3/5/2024	1.3
						8/6/2024	2.0
						10/9/2024	2.0
				E8D	2	3/5/2024	5.3
						5/21/2024	7.3
						8/7/2024	5
						10/8/2024	5.2
				E9D	2	3/5/2024	23
						5/21/2024	21
						8/7/2024	21
						10/8/2024	22
				N1D	2	5/21/2024	5.7
						10/8/2024	5.2
				N2D	2	3/5/2024	3.0
						5/21/2024	3.0
						8/6/2024	3.1
						10/8/2024	2.6
				N2S	1	5/21/2024	1.2
						10/8/2024	1.2
				N3D	2	5/21/2024	8.7
						10/9/2024	8.0
				N3S	1	5/21/2024	2.4
						10/9/2024	2.4
				N5D	2	5/21/2024	3.3
						10/8/2024	2.9
				NE1D	2	5/23/2024	7.4
						10/9/2024	7.3
				NE1S	1	5/23/2024	2.3
						10/9/2024	2.3
				S10S	1	5/22/2024	2.1
						10/9/2024	2.0
				S11D	2	5/23/2024	7.9
						10/10/2024	8.1
				S11S	1	5/23/2024	5.7
						10/10/2024	6.1

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

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
				WR1	2	3/5/2024	3.2
						5/23/2024	3.1
						8/7/2024	3.2
						10/9/2024	3.1
Iron (µg/L)	300	-	300	DNR	2	10/9/2024	610
				DOT	2	5/23/2024	540
						10/8/2024	590
				E10D	2	5/21/2024	890
						8/7/2024	870
						10/8/2024	830
				E5D	2	5/21/2024	2600
						8/7/2024	2100
						10/8/2024	2500
				E6D	2	5/22/2024	1700
						8/6/2024	1600
						10/9/2024	1800
				E7D	2	5/22/2024	2300
				E8D	2	5/21/2024	1400
						8/7/2024	1300
						10/8/2024	1300
				N1D	2	5/21/2024	390
Manganese (µg/L)	50	-	50	DNR	2	3/5/2024	170
				DOT	2	5/23/2024	180
						10/8/2024	170
				E10D	2	3/5/2024	87
						5/21/2024	91
						8/7/2024	92
						10/8/2024	86
				E2D	2	5/22/2024	58
						10/9/2024	54
				E2S	1	5/22/2024	460
						10/9/2024	480
		-		E3D	2	5/21/2024	300
						10/8/2024	270
				E4D	2	5/21/2024	93
						10/8/2024	98
				E5D	2	3/5/2024	390
						5/21/2024	350
						8/7/2024	460
						10/8/2024	370
				E6D	2	3/5/2024	510
						5/22/2024	550
						8/6/2024	550
						10/9/2024	530
				E7D	2	3/5/2024	120
						5/22/2024	200
						8/6/2024	720
						10/9/2024	660
				E8D	2	3/5/2024	310
						5/21/2024	330
						8/7/2024	320
						10/8/2024	300
				N1D	2	5/21/2024	340
						10/8/2024	320
				N5D	2	5/21/2024	130
						10/8/2024	130
				S11D	2	5/23/2024	150
						10/10/2024	150
				S11S	1	5/23/2024	180
						10/10/2024	180

Table 5. WAC 173-200 and Federal MCL Exceedences
2024 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							
1,1-Dichloroethane (µg/L)	1	-	-	E7D	2	8/6/2024	2.5
						10/9/2024	2.6
1,1,1 - Trichloroethane (µg/L)	0.02	200	-	E2D	2	3/5/2024	0.47
						5/22/2024	0.43
						8/6/2024	0.42
						10/9/2024	0.48
				E7D	2	8/6/2024	0.41
						10/9/2024	0.48
				N2S	1	5/21/2024	0.26
						10/8/2024	0.25
				S10S	1	5/22/2024	0.41
						10/9/2024	0.42
Tetrachloroethylene (µg/L)	0.8	5	-	DNR	2	8/7/2024	1.0
				E10D	2	8/7/2024	0.88
				E4D	2	8/7/2024	1.5
				E5D	2	8/7/2024	0.92
				E6D	2	8/6/2024	0.82
				E7D	2	8/6/2024	0.96
				E9D	2	8/7/2024	0.9
				N2D	2	8/6/2024	0.78
Vinyl chloride (µg/L)	0.02	2	-	E1D	1	5/23/2024	0.07
						10/9/2024	0.077
				E2D	2	3/5/2024	10
						5/22/2024	7.2
						8/6/2024	10
						10/9/2024	10
				E2S	1	10/9/2024	0.025
				E4S	1	5/21/2024	0.023
						10/8/2024	0.045
				E7D	2	8/6/2024	0.77
						10/9/2024	0.88

Notes:
[a] = WAC 246-290-310 standard
mg/L = miligrams 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 Statisitics for Select Parameters
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	0	1592	1677	1652.3	-3	-0.679	24.85	no trend	135	0	163	2490	1327.3	3165	6.018	0	increasing
	1	E1S	4	0	1094	1170	1137.5	-2	-0.34	36.71	no trend	136	0	421	2080	1196.9	968	1.819	3.44	no trend
	1	E2S	4	0	1065	1229	1123.5	-4	-1.019	15.41	no trend	134	0	420	1630	1120	3693	7.101	0	increasing
	1	E4S	4	0	1093	1428	1208.3	-6	-1.698	4.47	no trend	51	0	549.7	1428	1097.2	460	3.728	0.01	increasing
	1	N2S	4	0	1203	1372	1297	-2	-0.34	36.71	no trend	65	0	159	1900	1396.4	-434	-2.451	0.71	decreasing
	1	N3S	4	0	958	1029	999.8	-2	-0.34	36.71	no trend	134	0	119	1365	852.2	5080	9.769	0	increasing
	1	NE1S	4	0	787	930	867.8	-6	-1.698	4.47	no trend	73	0	436	1007	819.8	419	1.991	2.33	no trend
	1	S10S	4	0	704	1172	1034.3	-6	-1.698	4.47	no trend	75	0	665	2400	1476.3	-1582	-7.232	0	decreasing
	1	S11S	4	0	849	1093	929	0	0	50	no trend	70	0	458.7	1093	877.2	516	2.611	0.45	increasing
	2	E2D	7	0	1341	1436	1375.7	-10	-1.352	8.82	no trend	148	0	180	2280	1213.6	3228	5.35	0	increasing
	2	E3D	4	0	706	741	725	0	0	50	no trend	80	0	375.2	846	712.8	1234	5.123	0	increasing
	2	E4D	7	0	524	630	557.4	-10	-1.352	8.82	no trend	66	0	431	933	573.5	-472	-2.607	0.46	decreasing
	2	E5D	7	0	1392	1655	1470.9	-4	-0.451	32.62	no trend	30	0	13.9	1655	1255.5	254	4.514	0	increasing
	2	E6D	7	0	751	780	764.1	10	1.352	8.82	no trend	30	0	615	780	695.7	234	4.157	0	increasing
	2	E7D	7	0	179.8	1860	622.4	0	0	50	no trend	30	0	179.8	2032	1560.9	41	0.714	23.77	no trend
	2	E8D	7	0	535	601	561.3	-10	-1.367	8.58	no trend	30	0	523	601	568	-48	-0.839	20.08	no trend
	2	E9D	7	0	506	556	530.1	0	0	50	no trend	30	0	506	568	542.9	-72	-1.267	10.26	no trend
	2	E10D	7	0	929	1010	968.9	6	0.751	22.64	no trend	30	0	917	1030	978	103	1.82	3.44	no trend
	2	N1D	4	0	1340	1425	1390.8	-4	-1.019	15.41	no trend	135	0	152	1850	1237.3	4304	8.185	0	increasing
	2	N2D	7	0	1122	1248	1186.9	-6	-0.751	22.64	no trend	153	0	122	1516	951.9	7773	12.26	0	increasing
	2	N3D	4	0	642	675	664.3	2	0.34	36.71	no trend	134	0	371	800	552.4	5394	10.37	0	increasing
	2	N5D	4	0	13.45	1359	667.9	-2	-0.34	36.71	no trend	74	0	13.45	1630	1322.7	880	4.102	0	increasing
	2	NE1D	4	0	593	667	627.5	-6	-1.698	4.47	no trend	73	0	335.4	763	637.7	635	3.019	0.13	increasing
	2	S11D	4	0	715	900	836.3	-6	-1.698	4.47	no trend	72	0	468.1	1065	892.7	174	0.841	20.02	no trend
	WSW	DNR	7	0	729	894	805.1	-4	-0.451	32.62	no trend	92	0	601	969	815.3	1630	5.494	0	increasing
	WSW	DOT	4	0	662	735	695.8	-4	-1.019	15.41	no trend	119	0	388.4	780	592.5	4199	9.642	0	increasing
	WSW	WR1	7	0	30.1	893	744.2	6	0.751	22.64	no trend	91	0	30.1	911	800.3	2324	7.964	0	increasing

Table 6. Short and Long Term Statisitics for Select Parameters
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Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	2	<0.050	0.11	0.0651	-6	-1.698	4.47	no trend	135	5	<0.000030	3.19	0.662	-3254	-6.188	0	decreasing
	1	E1S	4	0	14	30	18.25	-5	-1.445	7.43	no trend	137	1	<0.000030	30	5.08	4202	7.818	0	increasing
	1	E2S	4	0	3.8	16	7.7	-6	-1.698	4.47	no trend	134	15	<0.000030	16	2.062	-932	-1.791	3.67	no trend
	1	E4S	4	0	5.4	13	7.68	-6	-1.698	4.47	no trend	52	0	0.11	13	1.665	987	7.782	0	increasing
	1	N2S	4	0	5.4	9.4	6.75	-6	-1.698	4.47	no trend	67	4	<0.000030	9.4	2.805	238	1.283	9.98	no trend
	1	N3S	4	0	5.8	15	9.35	-2	-0.34	36.71	no trend	135	5	<0.2	15	2.954	6984	13.28	0	increasing
	1	NE1S	4	0	4.8	16	8.35	-4	-1.019	15.41	no trend	74	0	0.03	16	5.54	1443	6.729	0	increasing
	1	S10S	4	1	<0.050	35	17	-6	-1.698	4.47	no trend	76	1	0.02	86	33.16	-206	-0.919	17.9	no trend
	1	S11S	4	3	<0.050	23	5.77	5	1.445	7.43	no trend	71	51	<0.00070	23	0.349	-634	-3.143	0.08	decreasing
	2	E2D	4	0	15	18	16	1	0	50	no trend	132	11	<0.00070	18	1.793	1967	3.868	0.01	increasing
	2	E3D	4	4	<0.050	<0.0750	0.0281	N/A	N/A	N/A	N/A	81	24	<0.000030	0.55	0.0305	-1333	-5.434	0	decreasing
	2	E4D	4	4	<0.050	<0.0750	0.0281	N/A	N/A	N/A	N/A	52	51	<0.0028	0.16	0.03024	N/A	N/A	N/A	N/A
	2	E5D	6	6	<0.050	<0.2	0.0521	N/A	N/A	N/A	N/A	26	24	<0.050	0.89	0.133	N/A	N/A	N/A	N/A
	2	E6D	5	4	<0.050	0.15	0.0675	-5	-0.98	16.36	no trend	25	22	<0.050	2.9	0.209	N/A	N/A	N/A	N/A
	2	E7D	6	1	<0.0750	2.1	1.236	9	1.503	6.64	no trend	26	14	<0.0750	2.1	0.623	136	2.979	0.14	increasing
	2	E8D	6	6	<0.050	<0.2	0.0521	N/A	N/A	N/A	N/A	26	25	<0.050	0.47	0.0888	N/A	N/A	N/A	N/A
	2	E9D	6	6	<0.050	<0.2	0.0417	N/A	N/A	N/A	N/A	26	25	<0.050	0.47	0.0863	N/A	N/A	N/A	N/A
	2	E10D	6	6	<0.050	<0.2	0.0417	N/A	N/A	N/A	N/A	26	24	<0.050	0.6	0.1071	N/A	N/A	N/A	N/A
	2	N1D	4	4	<0.050	<0.0750	0.0281	N/A	N/A	N/A	N/A	137	11	<0.000030	0.77	0.1026	-4751	-8.84	0	decreasing
	2	N2D	6	0	1.8	7.2	4.27	-6	-0.939	17.38	no trend	158	3	<0.000030	7.2	1.22	1166	1.752	3.99	no trend
	2	N3D	4	4	<0.050	<0.0750	0.0281	N/A	N/A	N/A	N/A	136	15	<0.000030	0.7	0.0706	-3780	-7.11	0	decreasing
	2	N5D	4	2	<0.050	0.059	0.0444	0	0	50	no trend	75	51	<0.00070	0.91	0.03515	-486	-2.219	1.32	no trend
	2	NE1D	4	3	<0.050	0.62	0.1738	1	0	50	no trend	74	42	<0.00250	3.86	0.0927	1006	4.691	0	increasing
	2	S11D	4	4	<0.050	<0.0750	0.0281	N/A	N/A	N/A	N/A	72	52	<0.00070	0.16	0.0249	-598	-2.903	0.18	decreasing
	WSW	DNR	6	2	<0.2	0.34	0.24	-2	-0.188	42.55	no trend	92	4	<0.000030	0.56	0.106	-1553	-5.235	0	decreasing
	WSW	DOT	4	4	<0.050	<0.0750	0.0281	N/A	N/A	N/A	N/A	121	22	<0.000030	0.3	0.0522	-2437	-5.458	0	decreasing
	WSW	WR1	6	1	<0.2	1.9	1.467	-2	-0.188	42.55	no trend	91	7	<0.012	2.1	1.075	2210	7.573	0	increasing

Table 6. Short and Long Term Statisitics for Select Parameters
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Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	0	120	120	120	0	0	50	no trend	135	0	22	140	62.1	3568	6.785	0	increasing
	1	E2S	4	0	42	50	45.25	-6	-1.698	4.47	no trend	134	0	8	76	33.35	4189	8.056	0	increasing
	1	E4S	4	0	42	45	43.5	2	0.34	36.71	no trend	52	0	24	63	37.54	843	6.646	0	increasing
	1	N2S	4	0	52	55	53.5	-4	-1.019	15.41	no trend	67	0	3	130	59.6	1000	5.406	0	increasing
	1	N3S	4	0	41	43	42.25	5	1.445	7.43	no trend	135	0	15	70	41.7	2173	4.132	0	increasing
	1	NE1S	4	0	92	180	119.5	6	1.698	4.47	no trend	74	1	<0.6	180	73.2	370	1.722	4.25	no trend
	1	S10S	4	0	29	74	61	-4	-1.019	15.41	no trend	76	0	29	131	93.5	-990	-4.436	0	decreasing
	1	S11S	4	0	29	67	39	5	1.445	7.43	no trend	71	0	25	67	29.1	1359	6.742	0	increasing
	2	E2D	4	0	82	92	88	6	1.698	4.47	no trend	132	0	0.8	92	33.46	3255	6.401	0	increasing
	2	E3D	4	0	15	15	15	0	0	50	no trend	81	0	13	28	15.53	768	3.129	0.09	increasing
	2	E4D	4	0	14	25	17	-1	0	50	no trend	52	0	10	161	20.7	-393	-3.094	0.1	decreasing
	2	E5D	7	0	36	40	38.14	17	2.431	0.75	increasing	27	0	21	40	29.5	320	6.656	0	increasing
	2	E6D	6	0	4.9	29	24.65	1	0	50	no trend	26	0	4.9	38	29.77	-218	-4.789	0	decreasing
	2	E7D	7	1	<0.750	280	73.5	3	0.3	38.2	no trend	27	1	<0.750	340	188.3	39	0.793	21.4	no trend
	2	E8D	7	0	22	24	23.14	-12	-1.671	4.74	no trend	27	0	22	41	25.7	-184	-3.822	0.01	decreasing
	2	E9D	7	0	18	19	18.14	2	0.156	43.82	no trend	27	0	18	22	19	-149	-3.09	0.1	decreasing
	2	E10D	7	0	46	50	47.9	13	1.802	3.58	no trend	27	0	42	50	46	202	4.192	0	increasing
	2	N1D	4	0	130	140	137.5	-3	-0.722	23.51	no trend	137	1	<0.04	190	87.8	7839	14.59	0	increasing
	2	N2D	8	0	71	73	71.9	7	0.754	22.55	no trend	160	0	2	82	41.4	9803	14.46	0	increasing
	2	N3D	4	0	26	27	26.25	1	0	50	no trend	136	0	0.6	51	20.1	6080	11.44	0	increasing
	2	N5D	4	0	83	86	85	1	0	50	no trend	75	0	30	86	50.1	2548	11.65	0	increasing
	2	NE1D	4	0	38	39	38.5	0	0	50	no trend	74	0	29	81	36.7	1460	6.81	0	increasing
	2	S11D	4	0	32	33	32.5	0	0	50	no trend	72	0	27	33	30.5	764	3.71	0.01	increasing
	WSW	DNR	7	0	25	61	50	8	1.063	14.38	no trend	93	0	16	71	40.75	3347	11.11	0	increasing
	WSW	DOT	4	0	24	26	25.5	3	0.722	23.51	no trend	121	0	10.1	32	17.65	4587	10.28	0	increasing
	WSW	WR1	7	0	46	48	47.1	4	0.456	32.43	no trend	92	0	36	53.4	44.4	386	1.299	9.7	no trend

Table 6. Short and Long Term Statisitics for Select Parameters
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Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	0	1000	1100	1050	0	0	50	no trend	73	0	770	1600	1122.2	-1784	-8.492	0	**decreasing**
	1	E2S	4	0	440	790	640	-4	-1.019	15.41	no trend	75	0	440	1000	788.6	139	0.631	26.4	no trend
	1	E4S	4	0	590	780	685	-4	-1.019	15.41	no trend	52	0	510	1100	660.5	345	2.715	0.33	**increasing**
	1	N2S	4	0	730	860	797.5	-3	-0.722	23.51	no trend	45	0	610	1136	930.6	-755	-7.377	0	**decreasing**
	1	N3S	4	0	530	680	597.5	-1	0	50	no trend	73	0	500	724	651.7	-280	-1.329	9.2	no trend
	1	NE1S	4	0	610	720	647.5	-2	-0.34	36.71	no trend	74	0	380	720	528.6	278	1.293	9.81	no trend
	1	S10S	4	0	520	770	652.5	-4	-1.019	15.41	no trend	76	0	520	1410	945.6	-2105	-9.436	0	**decreasing**
	1	S11S	4	0	480	630	555	4	1.019	15.41	no trend	71	0	440	890	524	-119	-0.586	27.91	no trend
	2	E2D	4	0	670	840	787.5	4	1.019	15.41	no trend	75	0	452	1277	1064.7	-1111	-5.078	0	**decreasing**
	2	E3D	4	0	340	420	375	2	0.34	36.71	no trend	75	0	320	590	413.6	338	1.542	6.16	no trend
	2	E4D	4	0	260	460	330	-2	-0.34	36.71	no trend	52	0	260	600	349.5	-737	-5.808	0	**decreasing**
	2	E5D	7	0	810	940	885.7	-10	-1.352	8.82	no trend	27	0	520	940	740.7	210	4.358	0	**increasing**
	2	E6D	6	0	380	520	433.3	4	0.564	28.65	no trend	26	0	290	680	382.7	144	3.153	0.08	**increasing**
	2	E7D	7	0	52	1200	478.4	12	1.671	4.74	no trend	27	0	52	1800	1036.6	49	1.002	15.83	no trend
	2	E8D	7	0	290	670	370	-4	-0.456	32.43	no trend	27	0	140	670	306.3	102	2.107	1.76	no trend
	2	E9D	7	0	260	370	294.3	-10	-1.352	8.82	no trend	27	0	120	370	257.4	62	1.272	10.17	no trend
	2	E10D	7	0	520	720	587.1	-3	-0.307	37.93	no trend	27	0	310	720	540.7	107	2.212	1.35	no trend
	2	N1D	4	0	830	980	897.5	-4	-1.019	15.41	no trend	74	0	740	1100	925.2	-795	-3.705	0.01	**decreasing**
	2	N2D	8	0	590	750	677.5	-13	-1.485	6.88	no trend	93	0	403	800	677	149	0.491	31.17	no trend
	2	N3D	4	0	320	730	540	-6	-1.698	4.47	no trend	76	0	298	730	377.7	993	4.449	0	**increasing**
	2	N5D	4	0	760	830	785	-5	-1.445	7.43	no trend	75	0	310	891	789.5	602	2.749	0.3	**increasing**
	2	NE1D	4	0	320	590	457.5	-6	-1.698	4.47	no trend	74	0	250	590	381.2	501	2.333	0.98	**increasing**
	2	S11D	4	0	490	830	602.5	-4	-1.019	15.41	no trend	72	0	440	830	535.2	-334	-1.619	5.27	no trend
	WSW	DNR	7	0	400	670	524.3	-3	-0.3	38.2	no trend	86	0	310	670	478.2	257	0.955	16.98	no trend
	WSW	DOT	4	0	380	670	487.5	-4	-1.019	15.41	no trend	75	0	190	670	381.1	1228	5.613	0	**increasing**
	WSW	WR1	7	0	420	740	540	-11	-1.502	6.66	no trend	77	0	360	740	482.9	322	1.412	7.9	no trend

Table 6. Short and Long Term Statisitics for Select Parameters
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Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	0	5.3	15	8.28	-4	-1.019	15.41	no trend	120	5	<0.110	<200	9.63	-2194	-4.975	0	decreasing
	1	E2S	4	0	1.3	1.4	1.35	-2	-0.34	36.71	no trend	123	6	<0.024	<200	10	-4801	-10.49	0	decreasing
	1	E4S	4	0	2.3	2.5	2.4	1	0	50	no trend	52	1	<0.50	4	2.566	-46	-0.355	36.12	no trend
	1	N2S	4	0	1.2	1.2	1.2	0	0	50	no trend	60	25	<0.030	<20	1.163	536	3.413	0.03	increasing
	1	N3S	4	0	2.2	2.4	2.325	5	1.445	7.43	no trend	120	12	<0.030	<200	8.46	-2557	-5.798	0	decreasing
	1	NE1S	4	0	2.2	2.4	2.3	1	0	50	no trend	74	0	2	6	2.824	-827	-3.856	0.01	decreasing
	1	S10S	4	0	2	6.1	3.1	2	0.34	36.71	no trend	76	5	<0.030	6.1	2.017	829	3.714	0.01	increasing
	1	S11S	4	0	2	5.8	4.725	-4	-1.019	15.41	no trend	71	0	2	7	5.74	-623	-3.088	0.1	decreasing
	2	E2D	4	0	1.7	1.9	1.75	1	0	50	no trend	122	13	<0.030	<200	7.23	-2784	-6.159	0	decreasing
	2	E3D	4	0	5.9	6.7	6.25	1	0	50	no trend	81	0	2	10	6.57	-860	-3.504	0.02	decreasing
	2	E4D	4	0	15	17	16.25	-1	0	50	no trend	52	0	3	26	17	-381	-3	0.14	decreasing
	2	E5D	7	0	5.7	6.9	6.29	4	0.456	32.43	no trend	27	1	<0.50	7.4	5.92	34	0.688	24.57	no trend
	2	E6D	6	0	1.6	2.1	1.9	10	1.721	4.26	no trend	26	0	1.1	2.1	1.535	200	4.392	0	increasing
	2	E7D	7	0	<0.50	2	1.219	11	1.537	6.22	no trend	27	1	<0.50	3.7	1.875	-120	-2.482	0.65	decreasing
	2	E8D	7	0	5	7.3	5.41	6	0.751	22.64	no trend	27	0	2.2	7.3	4.67	191	3.962	0	increasing
	2	E9D	7	0	21	23	21.57	2	0.152	43.96	no trend	27	0	18	23	20.8	140	2.9	0.19	increasing
	2	E10D	7	0	6	7	6.54	-3	-0.304	38.06	no trend	27	0	5.1	13	6.39	183	3.797	0.01	increasing
	2	N1D	4	0	4.9	5.7	5.2	4	1.019	15.41	no trend	122	3	<0.10	<200	9.48	-3441	-7.613	0	decreasing
	2	N2D	8	0	2.6	3.2	2.96	2	0.125	45.04	no trend	140	13	<0.10	<200	7.14	-3158	-5.688	0	decreasing
	2	N3D	4	0	7.9	8.7	8.23	2	0.34	36.71	no trend	121	2	<0.10	<200	12.12	-1798	-4.026	0	decreasing
	2	N5D	4	0	2.9	3.3	3.05	-1	0	50	no trend	75	0	2.9	9	4.045	-1303	-5.957	0	decreasing
	2	NE1D	4	0	7.1	7.6	7.35	-2	-0.34	36.71	no trend	74	1	<0.50	9	6.89	885	4.126	0	increasing
	2	S11D	4	0	7.3	8.1	7.75	4	1.019	15.41	no trend	72	0	3	9.6	7.81	-374	-1.814	3.49	no trend
	WSW	DNR	7	0	3.3	7.1	4.54	-1	0	50	no trend	93	0	3.2	12	5.37	-1985	-6.585	0	decreasing
	WSW	DOT	4	0	6	6.7	6.35	0	0	50	no trend	121	2	<0.024	<200	10.54	-2301	-5.153	0	decreasing
	WSW	WR1	7	0	2.9	3.8	3.214	-5	-0.608	27.17	no trend	92	16	<0.030	5	2.694	695	2.341	0.96	increasing

Table 6. Short and Long Term Statisitics for Select Parameters
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Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	0	0.5	7	2.785	-4	-1.019	15.41	no trend	117	63	<0.0010	7	0.1845	-2677	-6.304	0	decreasing
	1	E2S	4	1	0.1	<0.250	0.1138	4	1.019	15.41	no trend	120	4	<0.00130	23	2.544	-4360	-9.888	0	decreasing
	1	E4S	4	1	0.068	<0.250	0.1008	6	1.698	4.47	no trend	51	24	<0.0010	0.22	0.0462	-543	-4.405	0	decreasing
	1	N2S	4	1	0.067	<0.250	0.0995	6	1.698	4.47	no trend	58	48	<0.002	3.6	0.1078	N/A	N/A	N/A	N/A
	1	N3S	4	2	0.054	<0.250	0.0843	6	1.698	4.47	no trend	117	37	<0.0010	16	1.101	-3444	-8.111	0	decreasing
	1	NE1S	4	2	0.05	<0.250	0.0818	6	1.698	4.47	no trend	74	37	<0.0010	0.22	0.0464	-1117	-5.209	0	decreasing
	1	S10S	4	2	<0.150	<0.250	0.0915	6	1.698	4.47	no trend	76	31	<0.0010	2.05	0.133	-1522	-6.823	0	decreasing
	1	S11S	4	1	<0.250	0.14	0.1313	3	0.679	24.85	no trend	71	18	<0.002	0.25	0.115	770	3.818	0.01	increasing
	2	E2D	4	1	0.063	<0.250	0.0995	6	1.698	4.47	no trend	116	57	<0.0010	23	0.295	-3315	-7.908	0	decreasing
	2	E3D	4	2	0.048	<0.250	0.0778	6	1.698	4.47	no trend	80	34	<0.0010	0.3	0.0488	-1702	-7.068	0	decreasing
	2	E4D	4	0	0.13	0.46	0.27	2	0.34	36.71	no trend	52	17	<0.150	3.41	0.637	-641	-5.052	0	decreasing
	2	E5D	7	0	2	2.6	2.314	2	0.15	44.03	no trend	27	0	1.4	2.6	1.944	210	4.359	0	increasing
	2	E6D	6	0	1.3	2.2	1.833	-2	-0.191	42.42	no trend	26	0	0.32	2.2	1.362	241	5.294	0	increasing
	2	E7D	7	1	<0.250	2.6	0.935	-3	-0.3	38.2	no trend	27	18	<0.150	2.6	0.3215	114	2.359	0.92	increasing
	2	E8D	7	0	1.3	2.6	1.543	-5	-0.608	27.17	no trend	27	0	1	2.6	1.378	-2	-0.021	49.17	no trend
	2	E9D	7	1	0.11	0.22	0.145	-4	-0.451	32.62	no trend	27	20	<0.150	0.22	0.0974	-7	-0.125	45.01	no trend
	2	E10D	7	0	0.83	0.98	0.881	-9	-1.202	11.48	no trend	27	1	<0.150	1.5	0.98	-206	-4.275	0	decreasing
	2	N1D	4	0	0.28	0.41	0.3475	-1	0	50	no trend	119	1	<0.0012	2.77	0.465	-1171	-2.687	0.36	decreasing
	2	N2D	8	5	0.051	<0.250	0.0799	22	2.639	0.42	increasing	136	61	<0.0012	1.85	0.0745	-4411	-8.297	0	decreasing
	2	N3D	4	0	0.13	0.29	0.2075	-2	-0.34	36.71	no trend	118	1	<0.0012	2.04	0.323	-3015	-7.01	0	decreasing
	2	N5D	4	2	0.047	<0.250	0.0823	6	1.698	4.47	no trend	75	44	<0.0010	<0.250	0.03133	-985	-4.502	0	decreasing
	2	NE1D	4	2	0.061	<0.250	0.0813	6	1.698	4.47	no trend	74	17	<0.0010	3.92	0.1644	-1395	-6.506	0	decreasing
	2	S11D	4	0	0.35	0.51	0.4225	2	0.34	36.71	no trend	72	16	<0.150	2.27	0.404	-700	-3.398	0.03	decreasing
	WSW	DNR	7	0	0.11	0.61	0.363	7	0.901	18.38	no trend	93	19	<0.150	15.1	0.473	-829	-2.748	0.3	decreasing
	WSW	DOT	4	0	0.58	1.3	0.815	-2	-0.34	36.71	no trend	118	8	<0.010	1.3	0.29	1263	2.935	0.17	increasing
	WSW	WR1	7	3	<0.150	0.23	0.1407	-6	-0.76	22.38	no trend	92	23	<0.0012	2.13	0.1143	-1784	-6.014	0	decreasing

Table 6. Short and Long Term Statisitics for Select Parameters
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Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	0	0.048	0.059	0.0533	-2	-0.34	36.71	no trend	117	3	<0.0010	0.394	0.0468	1817	4.278	0	increasing
	1	E2S	4	0	0.43	0.48	0.46	2	0.34	36.71	no trend	119	1	<0.0000282	2.8	0.925	-1509	-3.464	0.03	decreasing
	1	E4S	4	3	0.0024	<0.010	0.00435	-3	-0.722	23.51	no trend	51	3	<0	0.484	0.02084	-799	-6.485	0	decreasing
	1	N2S	4	3	<0.010	0.011	0.0065	3	0.722	23.51	no trend	57	16	<0.00170	0.283	0.052	-393	-2.699	0.35	decreasing
	1	N3S	4	4	<0.010	<0.0250	0.00688	N/A	N/A	N/A	N/A	116	16	<0.0000282	0.34	0.02396	-3406	-8.125	0	decreasing
	1	NE1S	4	4	<0.010	<0.0250	0.00688	N/A	N/A	N/A	N/A	73	16	<0	0.329	0.0119	-1535	-7.307	0	decreasing
	1	S10S	4	3	<0.010	0.19	0.0513	3	0.722	23.51	no trend	75	12	<0.010	0.365	0.1036	-2252	-10.3	0	decreasing
	1	S11S	4	1	<0.0250	0.2	0.1406	-4	-1.019	15.41	no trend	70	1	0.01	0.271	0.1844	730	3.696	0.01	increasing
	2	E2D	4	0	0.053	0.059	0.056	-2	-0.34	36.71	no trend	116	23	<0.000090	2	0.055	3023	7.211	0	increasing
	2	E3D	4	0	0.23	0.3	0.2725	0	0	50	no trend	79	0	0.07	0.344	0.2427	964	4.077	0	increasing
	2	E4D	4	0	0.081	0.098	0.0895	4	1.019	15.41	no trend	51	0	0.002	0.393	0.0991	-539	-4.37	0	decreasing
	2	E5D	7	0	0.32	0.46	0.374	14	1.952	2.54	no trend	26	0	0.21	0.46	0.2865	238	5.225	0	increasing
	2	E6D	6	0	0.51	0.61	0.547	-3	-0.383	35.1	no trend	25	0	0.51	0.73	0.596	-188	-4.371	0	decreasing
	2	E7D	7	0	0.0026	0.72	0.2757	17	2.403	0.81	increasing	26	0	0.0026	0.79	0.59	-22	-0.463	32.17	no trend
	2	E8D	7	0	0.29	0.33	0.313	-1	0	50	no trend	26	0	0.28	0.35	0.3104	-40	-0.86	19.48	no trend
	2	E9D	7	0	0.026	0.033	0.02986	2	0.152	43.96	no trend	26	0	0.026	0.059	0.04065	-230	-5.05	0	decreasing
	2	E10D	7	0	0.086	0.097	0.0906	-8	-1.063	14.38	no trend	26	0	0.073	0.097	0.0863	17	0.353	36.21	no trend
	2	N1D	4	0	0.32	0.34	0.3325	-3	-0.679	24.85	no trend	118	0	0.002	0.96	0.1993	4365	10.15	0	increasing
	2	N2D	8	2	<0.010	0.021	0.01463	-4	-0.377	35.31	no trend	134	37	<0.000030	0.041	0.00785	182	0.348	36.39	no trend
	2	N3D	4	0	0.0027	0.046	0.0267	6	1.698	4.47	no trend	116	0	0.0027	0.25	0.0501	-1566	-3.734	0.01	decreasing
	2	N5D	4	0	0.12	0.15	0.1325	-1	0	50	no trend	74	1	<0.0000282	0.265	0.1778	754	3.514	0.02	increasing
	2	NE1D	4	1	<0.010	0.011	0.00795	4	1.019	15.41	no trend	73	17	<0.00170	0.378	0.0294	-1718	-8.178	0	decreasing
	2	S11D	4	0	0.15	0.17	0.155	-3	-0.722	23.51	no trend	71	0	0.078	0.22	0.163	-353	-1.747	4.03	no trend
	WSW	DNR	7	3	<0.010	0.19	0.0556	-12	-1.652	4.93	no trend	92	21	<0.010	0.19	0.0744	-1076	-3.626	0.01	decreasing
	WSW	DOT	4	0	0.17	0.18	0.1775	-3	-0.722	23.51	no trend	117	0	0.062	0.18	0.1334	1835	4.32	0	increasing
	WSW	WR1	7	5	0.0041	<0.0250	0.00694	-3	-0.307	37.93	no trend	91	15	<0	0.09	0.00505	-1798	-6.162	0	decreasing

Table 6. Short and Long Term Statisitics for Select Parameters
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Parameter	Aquifer	Station	Short Term Statistics (2023-2024)									Long Term Statistics (1985-2024)								
			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	4	0	0.07	0.085	0.077	-2	-0.34	36.71	no trend	84	15	<0.010	<3.0	0.364	-307	-1.182	11.86	no trend
	1	E2S	4	1	<0.010	0.025	0.0195	-1	0	50	no trend	98	8	<0.010	2.98	0.887	-3279	-10.06	0	**decreasing**
	1	E4S	4	2	<0.010	0.045	0.0245	2	0.34	36.71	no trend	52	32	<0.00590	0.52	0.0547	386	3.039	0.12	**increasing**
	1	N2S	4	2	<0.010	0.044	0.01625	-5	-1.445	7.43	no trend	58	8	<0.010	7.9	2.25	-1058	-7.091	0	**decreasing**
	1	N3S	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	91	82	<0.00590	<3.0	0.0938	N/A	N/A	N/A	N/A
	1	NE1S	4	4	<0.010	<0.050	0.015	N/A	N/A	N/A	N/A	74	70	<0.00590	0.26	0.024	N/A	N/A	N/A	N/A
	1	S10S	4	4	<0.010	<0.050	0.015	N/A	N/A	N/A	N/A	76	22	<0.010	7.71	1.502	-2407	-10.79	0	**decreasing**
	1	S11S	4	4	<0.010	<0.050	0.015	N/A	N/A	N/A	N/A	71	67	<0.00590	0.26	0.02053	N/A	N/A	N/A	N/A
	2	E2D	7	0	7.2	13	9.96	2	0.152	43.96	no trend	104	7	<0.010	53.6	16.76	1482	4.16	0	**increasing**
	2	E3D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	81	74	<0.00590	0.26	0.0381	N/A	N/A	N/A	N/A
	2	E4D	7	6	<0.010	<0.050	0.00854	N/A	N/A	N/A	N/A	69	36	<0.010	0.26	0.03314	-1262	-6.533	0	**decreasing**
	2	E5D	7	7	<0.010	<0.050	0.01071	N/A	N/A	N/A	N/A	44	38	<0.00590	0.4	0.0353	N/A	N/A	N/A	N/A
	2	E6D	6	4	<0.010	0.024	0.009	-3	-0.39	34.84	no trend	43	19	<0.010	0.4	0.04835	-470	-4.911	0	**decreasing**
	2	E7D	7	5	<0.010	0.88	0.245	9	1.23	10.94	no trend	45	6	<0.010	18.1	4.58	-788	-7.7	0	**decreasing**
	2	E8D	7	7	<0.010	<0.050	0.01071	N/A	N/A	N/A	N/A	44	36	<0.00590	0.4	0.03284	N/A	N/A	N/A	N/A
	2	E9D	7	7	<0.010	<0.050	0.01071	N/A	N/A	N/A	N/A	32	32	<0.010	<0.050	0.00625	N/A	N/A	N/A	N/A
	2	E10D	7	7	<0.010	<0.050	0.01071	N/A	N/A	N/A	N/A	32	32	<0.010	<0.050	0.00625	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	87	80	<0.00590	<3.0	0.0972	N/A	N/A	N/A	N/A
	2	N2D	8	5	<0.010	0.018	0.00785	-6	-0.628	26.49	no trend	112	36	<0.010	<3.0	0.0904	-1940	-4.876	0	**decreasing**
	2	N3D	4	4	<0.010	<0.050	0.01	N/A	N/A	N/A	N/A	87	81	<0.00590	<3.0	0.0779	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	75	24	<0.010	0.26	0.03064	-390	-1.78	3.76	no trend
	2	NE1D	4	4	<0.010	<0.050	0.015	N/A	N/A	N/A	N/A	74	70	<0.00590	0.26	0.024	N/A	N/A	N/A	N/A
	2	S11D	4	4	<0.010	<0.050	0.015	N/A	N/A	N/A	N/A	73	69	<0.00590	0.26	0.02425	N/A	N/A	N/A	N/A
	WSW	DNR	7	7	<0.010	<0.050	0.01357	N/A	N/A	N/A	N/A	93	89	<0.00590	0.26	0.0362	N/A	N/A	N/A	N/A
	WSW	DOT	4	4	<0.010	<0.050	0.015	N/A	N/A	N/A	N/A	83	77	<0.00590	<3.0	0.0728	N/A	N/A	N/A	N/A
	WSW	WR1	7	7	<0.010	<0.050	0.01357	N/A	N/A	N/A	N/A	92	88	<0.00590	0.26	0.0584	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 (insuffcient 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
2024 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 ("H20)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-BL-LG	2/14/2024 11:46	51.7	17.1	0.1	31.1	-22.51	4.314	4.224	45.1	97.6	96.6	
IC-BL-LG	3/13/2024 10:21	43.6	16.1	0.3	40	-23.67	4.563	4.403	70.2	94.3	94.5	
IC-BL-LG	5/14/2024 12:29	46.2	15.9	0.3	37.6	-21.23	4.305	4.303	66.4	94.8	94.7	
IC-BL-LG	7/15/2024 9:16	50.2	18.5	0.3	31	-20.89	4.245	4.249	62.5	94.6	94.6	
IC-BL-LG	8/22/2024 15:15	49.6	19.3	0.6	30.5	-19.72			83.3			
IC-BL-LG	11/13/2024 8:44	66.3	21.1	0.1	12.5							
IC-BL-SV	2/14/2024 11:44	3.8	15.6	1.7	78.9	-25.26	2.955	2.955	45	72.7	72.7	
IC-BL-SV	3/13/2024 10:19	3.9	14.9	1.8	79.4	-26.22	2.932	2.934	68.4	70.8	70.8	
IC-BL-SV	5/14/2024 12:27	3.6	14	1.8	80.6	-25.19	2.7	2.701	65.8	68.4	68.4	
IC-BL-SV	7/15/2024 9:15	3.6	14.9	1.6	79.9	-23.98	2.953	3.025	61.4	71.7	72.6	
IC-BL-SV	8/22/2024 15:13	0.9	1.3	18.9	78.9	-22.93			82.1			
IC-BL-SV	11/13/2024 8:42	50.9	17.9	1.9	29.3							
IC-FL-IN	2/14/2024 11:53	51.7	17.1	0.1	31.1	1.83	0.287	0.292	46	97	97.8	
IC-FL-IN	3/13/2024 10:27	43.2	15.9	0.2	40.7	1.88	0.296	0.298	72.6	94.3	94.6	
IC-FL-IN	5/14/2024 12:37	46.1	15.9	0.3	37.7	1.81	0.318	0.32	69	98.8	99.1	
IC-FL-IN	7/15/2024 9:21	50.3	18.6	0.3	30.8	1.84	0.315	0.315	64.5	98.9	99	
IC-FL-In	8/22/2024 15:10	49.1	19.3	0.4	31.2	1.85	-2.179	-2.127	82.6			
IC-FL-In	11/13/2024 8:45	65.9	21.2	0.2	12.7							
IC-GP11D	2/14/2024 9:34	0	2.4	19.4	78.2							
IC-GP11D	5/15/2024 8:08	0	1.8	19.1	79.1							
IC-GP11D	8/23/2024 8:23	0	2.4	19	78.6							
IC-GP11D	11/13/2024 10:58	0	2	19.9	78.1							
IC-GP11S	2/14/2024 9:33	0	2.1	19.8	78.1							
IC-GP11S	5/15/2024 8:07	0	1.8	19.2	79							
IC-GP11S	8/23/2024 8:21	0	1.7	19.6	78.7							
IC-GP11S	11/13/2024 10:57	0	2.5	19.4	78.1							
IC-GP13D	2/13/2024 15:21	0	1.3	19.7	79							
IC-GP13D	5/15/2024 8:24	0	1.5	18.9	79.6							
IC-GP13D	8/23/2024 8:54	0	2.3	18.8	78.9							
IC-GP13D	11/13/2024 11:19	0	1.2	20.1	78.7							
IC-GP13S	2/13/2024 15:19	0	2.1	18.8	79.1							
IC-GP13S	5/15/2024 8:23	0	1.8	18.7	79.5							
IC-GP13S	8/23/2024 8:57	0	2.6	18.6	78.8							
IC-GP13S	11/13/2024 11:17	0	0.8	20.9	78.3							
IC-GP15D	2/14/2024 8:27	0.1	5.4	14.9	79.6							
IC-GP15D	3/13/2024 8:17	0.1	5.6	14.1	80.2							
IC-GP15D	5/14/2024 10:41	0	4.1	14.8	81.1							
IC-GP15D	7/15/2024 7:35	0	4.6	14.9	80.5							
IC-GP15D	8/23/2024 9:45	0	5.3	14.6	80.1							
IC-GP15D	11/13/2024 10:19	1.7	7.3	13.1	77.9							
IC-GP15S	2/14/2024 8:26	0.1	4	16	79.9							
IC-GP15S	3/13/2024 8:15	0.1	2	18.8	79.1							
IC-GP15S	5/14/2024 10:40	0	3	16.2	80.8							
IC-GP15S	7/15/2024 7:33	0	3.9	16.1	80							
IC-GP15S	8/23/2024 9:42	0	4.6	15	80.4							
IC-GP15S	11/13/2024 10:17	1.7	5.4	14.1	78.8							
IC-GP17D	2/14/2024 9:13	0	3.5	17.7	78.8							
IC-GP17D	3/13/2024 8:21	0	3.8	16.6	79.6							
IC-GP17D	5/14/2024 10:48	0	1.1	18.5	80.4							
IC-GP17D	7/15/2024 7:40	0	1.4	18.7	79.9							

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Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-GP17D	8/23/2024 7:44	0.1	3.9	16.7	79.3							
IC-GP17D	11/13/2024 10:15	1.7	3.6	17.7	77							
IC-GP17S	2/14/2024 9:12	0	2.4	19.1	78.5							
IC-GP17S	3/13/2024 8:20	0	0.2	19.9	79.9							
IC-GP17S	5/14/2024 10:47	0	0.3	19.2	80.5							
IC-GP17S	7/15/2024 7:39	0	0.4	19.4	80.2							
IC-GP17S	8/23/2024 7:47	0	2.6	17.8	79.6							
IC-GP17S	11/13/2024 10:13	1.9	3.7	17.5	76.9							
IC-GP-1D	2/13/2024 14:45	0	2.8	18.9	78.3							
IC-GP-1D	5/14/2024 10:07	0	2.3	17.9	79.8							
IC-GP-1D	8/23/2024 10:19	0	3.1	18.2	78.7							
IC-GP-1D	11/13/2024 12:23	0	3.3	18.2	78.5							
IC-GP-1S	2/13/2024 14:42	0	1.4	19.9	78.7							
IC-GP-1S	5/14/2024 10:03	0	2	18.4	79.6							
IC-GP-1S	8/23/2024 10:23	0	2.4	19	78.6							
IC-GP-1S	11/13/2024 12:21	0	2.4	19.3	78.3							
ICGP2018	2/13/2024 15:30	0	3.2	17.9	78.9							
ICGP2018	5/15/2024 8:34	0	3.4	17.5	79.1							
ICGP2018	8/23/2024 9:05	0	3.2	18	78.8							
ICGP2018	11/13/2024 11:27	0	3.2	18.1	78.7							
ICGP2038	2/13/2024 15:34	0	6.3	14.2	79.5							
ICGP2038	5/15/2024 8:39	0	5.4	14.9	79.7							
ICGP2038	8/23/2024 9:06	0	3.9	17	79.1							
ICGP2038	11/13/2024 11:32	0	7.9	12.4	79.7							
ICGP2058	2/13/2024 15:39	0	7.6	12.2	80.2							
ICGP2058	5/15/2024 8:44	0	7.4	12.3	80.3							
ICGP2058	8/23/2024 9:08	0	6.7	12.8	80.5							
ICGP2058	11/13/2024 11:31	0	6.7	14.2	79.1							
ICGP2078	2/13/2024 15:44	0	8.5	10.7	80.8							
ICGP2078	5/15/2024 8:50	0	8.7	10.2	81.1							
ICGP2078	8/23/2024 9:10	0	6.8	12.8	80.4							
ICGP2078	11/13/2024 11:30	0	9.3	10.1	80.6							
ICGP2098	2/13/2024 15:47	0	8.7	9.5	81.8							
ICGP2098	5/15/2024 8:55	0	8.3	9.7	82							
ICGP2098	8/23/2024 9:12	0	8.6	9.6	81.8							
ICGP2098	11/13/2024 11:29	0	8.9	9.8	81.3							
ICGP2118	2/14/2024 8:46	0	3.2	18.3	78.5							
ICGP2118	5/15/2024 7:36	0	2.6	18.1	79.3							
ICGP2118	8/23/2024 9:18	0	2.5	18.9	78.6							
ICGP2118	11/13/2024 11:37	0	2.8	18.9	78.3							
ICGP2138	2/14/2024 8:51	0	4	17.4	78.6							
ICGP2138	5/15/2024 7:39	0	3.7	17	79.3							
ICGP2138	8/23/2024 9:20	0	1.8	19.6	78.6							
ICGP2138	11/13/2024 11:42	0	4.1	17.4	78.5							
ICGP2158	2/14/2024 8:56	0	4.4	16.9	78.7							
ICGP2158	5/15/2024 7:44	0	4.2	16.3	79.5							
ICGP2158	8/23/2024 9:22	0	2.4	19.1	78.5							
ICGP2158	11/13/2024 11:41	0	4.5	16.8	78.7							
ICGP2178	2/14/2024 9:02	0.1	4.8	16.2	78.9							
ICGP2178	5/15/2024 7:48	0	4.2	16.3	79.5							

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Point ID	Record Date	CH4%	CO2%	O2%	Bal Gas%	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
ICGP2178	8/23/2024 9:24	0	2.2	19.3	78.5							
ICGP2178	11/13/2024 11:40	0	5	16	79							
ICGP2198	2/14/2024 9:07	0	4.8	16.2	79							
ICGP2198	5/15/2024 7:51	0	4.3	16	79.7							
ICGP2198	8/23/2024 9:26	0	3.6	17.4	79							
ICGP2198	11/13/2024 11:39	0	5	15.5	79.5							
IC-GP-22	2/14/2024 8:36	0	2.3	18.9	78.8							
IC-GP-22	5/15/2024 7:29	0	1.9	18.6	79.5							
IC-GP-22	8/23/2024 9:35	0	2.4	18.5	79.1							
IC-GP-22	11/13/2024 11:50	0	3.1	17.9	79							
ICGP2318	2/13/2024 14:53	0	2.6	19	78.4							
ICGP2318	5/15/2024 9:07	0	2.7	18.4	78.9							
ICGP2318	8/23/2024 9:52	0	2.9	18.8	78.3							
ICGP2318	11/13/2024 12:07	0	3.4	18.3	78.3							
ICGP2338	2/13/2024 14:58	0	3.1	18.5	78.4							
ICGP2338	5/15/2024 9:09	0	2.7	18.3	79							
ICGP2338	8/23/2024 9:54	0	2.4	19.2	78.4							
ICGP2338	11/13/2024 12:12	0	3.2	18.5	78.3							
ICGP2358	2/13/2024 15:03	0	3.1	18.1	78.8							
ICGP2358	5/15/2024 9:15	0	3	17.9	79.1							
ICGP2358	8/23/2024 9:58	0	2.8	18.5	78.7							
ICGP2358	11/13/2024 12:11	0	3.2	18.3	78.5							
ICGP2378	2/13/2024 15:07	0	3.3	17.7	79							
ICGP2378	5/15/2024 9:19	0	3.1	17.3	79.6							
ICGP2378	8/23/2024 10:02	0	3	17.9	79.1							
ICGP2378	11/13/2024 12:09	0	3.3	17.8	78.9							
ICGP2398	2/13/2024 15:12	0	3.2	17.8	79							
ICGP2398	5/15/2024 9:25	0	3.2	17.2	79.6							
ICGP2398	8/23/2024 10:11	0	3	17.7	79.3							
ICGP2398	11/13/2024 12:08	0	3.4	17.6	79							
ICGP2418	2/13/2024 14:11	0	2.8	18.3	78.9							
ICGP2418	5/14/2024 8:54	0	2.5	18	79.5							
ICGP2418	8/23/2024 10:10	0	3.6	17.5	78.9							
ICGP2418	11/13/2024 12:30	0	2.9	18.3	78.8							
ICGP2438	2/13/2024 14:16	0	3.9	16.7	79.4							
ICGP2438	5/14/2024 8:58	0	3.3	16.9	79.8							
ICGP2438	8/23/2024 10:13	0	3.4	17.4	79.2							
ICGP2438	11/13/2024 12:40	0	3.9	16.6	79.5							
ICGP2458	2/13/2024 14:22	0	4.4	16	79.6							
ICGP2458	5/14/2024 9:53	0	3.2	17.4	79.4							
ICGP2458	8/23/2024 10:18	0	4.2	16.5	79.3							
ICGP2458	11/13/2024 12:35	0	4.5	16	79.5							
ICGP2458	11/13/2024 12:36	0	4.1	16.6	79.3							
ICGP2478	2/13/2024 14:27	0	5.1	14.6	80.3							
ICGP2478	5/14/2024 9:57	0	0.4	19.8	79.8							
ICGP2478	8/23/2024 10:25	0	5.1	14.9	80							
ICGP2478	11/13/2024 12:33	0	5.2	14.9	79.9							
ICGP2498	2/13/2024 14:33	0	5.5	13.8	80.7							
ICGP2498	8/23/2024 10:30	0	5.5	14.1	80.4							
ICGP2498	11/13/2024 12:32	0	5.5	14	80.5							

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ICGP2518	2/13/2024 13:30	0.1	6.5	14.7	78.7							
ICGP2518	5/14/2024 8:28	0	7.2	13.4	79.4							
ICGP2518	8/23/2024 10:37	0	9	13.2	77.8							
ICGP2518	11/13/2024 12:49	0	7.6	14.5	77.9							
ICGP2538	2/13/2024 13:35	0	6.1	14.7	79.2							
ICGP2538	5/14/2024 8:33	0	5.4	15.1	79.5							
ICGP2538	8/23/2024 10:41	0	6.2	15	78.8							
ICGP2538	11/13/2024 12:55	0	6.7	14.9	78.4							
ICGP2558	2/13/2024 13:41	0	6	14.4	79.6							
ICGP2558	5/14/2024 8:36	0	4.3	16.4	79.3							
ICGP2558	8/23/2024 10:48	0	5.7	15.5	78.8							
ICGP2558	11/13/2024 12:53	0	6.1	15.1	78.8							
ICGP2578	2/13/2024 13:51	0	5.8	14.3	79.9							
ICGP2578	5/14/2024 8:39	0	5.8	14.4	79.8							
ICGP2578	8/23/2024 10:56	0	5.8	15.4	78.8							
ICGP2578	11/13/2024 12:52	0	6.2	14.9	78.9							
ICGP2598	2/13/2024 13:57	0	5.7	14.2	80.1							
ICGP2598	5/14/2024 8:42	0	0.3	20.3	79.4							
ICGP2598	8/23/2024 10:55	0	5.5	15	79.5							
ICGP2598	11/13/2024 12:50	0	6.2	14.8	79							
ICGP2618	2/14/2024 9:48	0	4.6	15.6	79.8							
ICGP2618	5/15/2024 8:16	0	4.3	15.3	80.4							
ICGP2618	8/23/2024 8:30	0	3.2	17.5	79.3							
ICGP2618	11/13/2024 11:08	0	1.8	19.5	78.7							
ICGP2638	2/14/2024 9:50	0	2.9	18.1	79							
ICGP2638	5/15/2024 8:19	0	3	17.1	79.9							
ICGP2638	8/23/2024 8:32	0	3.3	16.7	80							
ICGP2638	11/13/2024 11:10	0	1.4	20.1	78.5							
ICGP2658	2/14/2024 9:52	0	3.3	16.4	80.3							
ICGP2658	8/23/2024 8:34	0	2.5	17.2	80.3							
ICGP2658	11/13/2024 11:12	0	2.3	17.9	79.8							
IC-GP-27	2/13/2024 15:25	0	8.3	11.3	80.4							
IC-GP-27	5/15/2024 8:29	0	8.1	10.9	81							
ICGP2998	2/14/2024 8:34	0	3.9	15.7	80.4							
ICGP2998	5/15/2024 7:27	0	3.8	15.3	80.9							
ICGP2998	11/13/2024 13:05	0	2.5	18.3	79.2							
ICGP3018	2/14/2024 10:07	50.3	5	0	44.7							
ICGP3018	3/13/2024 8:38	54.6	7.7	0.9	36.8							
ICGP3018	5/14/2024 10:17	47.7	4.9	0.3	47.1							
ICGP3018	7/15/2024 7:57	48.7	4.6	0.3	46.4							
ICGP3018	11/13/2024 11:55	0	0.7	20.6	78.7							
ICGP3038	2/14/2024 10:11	27.3	9.5	0	63.2							
ICGP3038	3/13/2024 8:42	32.2	9	0	58.8							
ICGP3038	5/14/2024 10:20	29	8.3	0	62.7							
ICGP3038	7/15/2024 8:02	30	8.5	0	61.5							
ICGP3038	11/13/2024 12:00	15.1	13.2	0	71.7							
ICGP3069	2/14/2024 10:19	6.4	18.8	0	74.8							
ICGP3069	3/13/2024 8:46	7	18.6	0	74.4							
ICGP3069	5/14/2024 10:24	5.9	18	0	76.1							
ICGP3069	7/15/2024 8:07	5.3	18.4	0	76.3							

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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 ("H20)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
ICGP3069	11/13/2024 11:59	3	18.5	0	78.5							
ICGP3081	2/14/2024 10:25	1.6	18.1	0	80.3							
ICGP3081	3/13/2024 8:51	3.1	18.1	0	78.8							
ICGP3081	5/14/2024 10:30	1.8	17.5	0	80.7							
ICGP3081	7/15/2024 8:13	1.5	17.8	0	80.7							
ICGP3081	11/13/2024 11:58	0.9	18.2	0	80.9							
ICGP3092	2/14/2024 10:32	0	14.8	3.8	81.4							
ICGP3092	3/13/2024 8:57	0.3	17.7	0	82							
ICGP3092	5/14/2024 10:36	0.1	16.7	0	83.2							
ICGP3092	7/15/2024 8:19	0.1	16.9	0	83							
ICGP3092	11/13/2024 11:56	0	13.8	5.1	81.1							
IC-GP-6D	2/13/2024 14:04	0	2.9	17.7	79.4							
IC-GP-6D	5/14/2024 8:49	0	0.1	20.4	79.5							
IC-GP-6D	8/23/2024 10:43	0	4.4	16.4	79.2							
IC-GP-6D	11/13/2024 12:43	0	4.3	16.6	79.1							
IC-GP-6S	2/13/2024 14:01	0	5	15.2	79.8							
IC-GP-6S	5/14/2024 8:48	0	0.4	20.1	79.5							
IC-GP-6S	8/23/2024 7:55	0	3.2	16.4	80.4							
IC-GP-6S	8/23/2024 10:36	0	2.9	18.3	78.8							
IC-GP-6S	11/13/2024 12:42	0	3.2	17.6	79.2							
IC-GPS6D	2/14/2024 9:22	0	8	11.7	80.3							
IC-GPS6D	3/13/2024 8:27	0	4.6	17	78.4							
IC-GPS6D	5/14/2024 10:53	0	0.1	19.5	80.4							
IC-GPS6D	7/15/2024 7:49	0	5.1	15.4	79.5							
IC-GPS6D	8/23/2024 8:00	0	10	7.8	82.2							
IC-GPS6D	11/13/2024 10:46	4.2	14.8	1.1	79.9							
IC-GPS6S	2/14/2024 9:19	0	9.6	9.3	81.1							
IC-GPS6S	3/13/2024 8:25	0	0.1	20.3	79.6							
IC-GPS6S	5/14/2024 10:52	0	0.1	19.5	80.4							
IC-GPS6S	7/15/2024 7:47	0	0.1	19.7	80.2							
IC-GPS6S	8/23/2024 7:57	0	3.4	16.2	80.4							
IC-GPS6S	11/13/2024 10:44	0.1	0.6	20.8	78.5							
IC-GP-W1	2/14/2024 9:28	0	1.4	19.4	79.2							
IC-GP-W1	5/15/2024 8:03	0	1.3	19.6	79.1							
IC-GP-W1	8/23/2024 8:14	0	3.9	17.4	78.7							
IC-GP-W1	11/13/2024 10:53	0	2.3	19.1	78.6							
IC-HGW-1	2/14/2024 10:44	35	16.5	0	48.5	0	0	0	43	0	0	
IC-HGW-1	3/13/2024 9:14	20.8	15.9	0	63.3	0	-0.002	-0.003	49.1	0	0	
IC-HGW-1	5/14/2024 11:09	35.4	15.7	0	48.9	-0.01	0.001	-0.001	67.5	0	0	
IC-HGW-1	7/15/2024 8:27	43.6	17.1	0	39.3	0	0	-0.001	63.4	0	0	
IC-HGW-1	8/22/2024 14:44	14.2	4.6	17.8	63.4	-0.43	0.004	0.003	70.7	0.1	0.1	
IC-HGW-1	11/13/2024 10:03	60.4	20.1	0.4	19.1							
IC-HGW-2	2/14/2024 10:54	65	18	0	17	-3.16	2.208	2.212	42.8	22.5	22.6	
IC-HGW-2	3/13/2024 9:19	59.4	15.5	0	25.1	-4.21	2.573	2.667	49	24	24.4	
IC-HGW-2	5/14/2024 11:22	61.8	20.3	0	17.9	-2.92	1.94	1.947	76.3	20.1	20.2	
IC-HGW-2	7/15/2024 8:35	62.9	20.8	0	16.3	-2.73	1.732	1.73	62	19.3	19.3	
IC-HGW-2	8/22/2024 14:36	61.2	25.4	0	13.4	-2.65	2.06	2.062	69	12.2	12.2	
IC-HGW-2	11/13/2024 9:56	75.1	24.7	0	0.2							
IC-HGW-3	2/14/2024 10:57	33.4	22.1	0	44.5	-0.24	3.04	3.037	42.7	1.6	1.6	
IC-HGW-3	3/13/2024 9:24	22.2	20.6	0	57.2	0	-0.001	-0.001	52.1	0	0	

Table 7. Landfill Gas Monitoring Data
2024 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 ("H20)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-HGW-3	5/14/2024 11:26	31	20.7	0	48.3	-0.41	3.56	3.56	72.5	1.7	1.7	
IC-HGW-3	7/15/2024 8:38	45.7	25.8	0	28.5	-0.39	3.267	3.264	60	1.6	1.6	
IC-HGW-3	8/22/2024 14:33	51.8	27.2	0	21	-0.11	3.735	3.738	71.4	4.2	4.2	
IC-HGW-3	11/13/2024 9:54	47.3	27.5	0	25.2							
IC-HGW-4	2/14/2024 11:03	37.5	19.6	0	42.9	-0.01	1.786	1.785	40.7	2.9	3	
IC-HGW-4	3/13/2024 9:32	34.5	18.9	0	46.6	-0.96	1.871	1.877	57.3	2.9	3	
IC-HGW-4	5/14/2024 11:32	36	18.6	0	45.4	-0.4	1.249	1.25	82.6	2.4	2.4	
IC-HGW-4	7/15/2024 8:47	48.1	22.1	0	29.8	-0.36	1.098	1.1	65.2	2.3	2.3	
IC-HGW-4	8/22/2024 14:28	49.8	25.2	0	25	-0.08	1.476	1.478	68.7	10.1	10.1	
IC-HGW-4	11/13/2024 9:48	52.3	24	0	23.7							
IC-HGW-5	2/14/2024 11:09	38.3	20.2	0	41.5	-0.01	2.662	2.67	43.3	1.5	1.5	
IC-HGW-5	3/13/2024 9:37	49.4	21.1	0	29.5	-0.91	2.792	2.79	56	1.6	1.6	
IC-HGW-5	5/14/2024 11:36	48	21.2	0	30.8	-0.32	2.041	2.041	72.7	1.3	1.3	
IC-HGW-5	7/15/2024 8:50	54.4	24.4	0	21.2	-0.42	1.92	1.92	66.1	1.3	1.3	
IC-HGW-5	8/22/2024 14:25	46.7	22	0	31.3	-0.09	2.061	2.063	70.1	11.9	11.9	
IC-HGW-5	11/13/2024 9:45	50.4	23.5	0	26.1							
IC-HGW-6	2/14/2024 11:13	49.4	16.2	0	34.4	-0.57	1.429	1.423	41.8	10.4	10.4	
IC-HGW-6	3/13/2024 9:42	33.7	15.4	0	50.9	-1.34	1.455	1.455	59.8	10	10	
IC-HGW-6	5/14/2024 11:42	42	15.2	0	42.8	-0.65	1.112	1.107	82.8	8.7	8.7	
IC-HGW-6	7/15/2024 8:52	49.4	18.2	0	32.4	-7.56	1.006	1.005	66.6	8.4	8.5	
IC-HGW-6	8/22/2024 14:23	50.8	15.4	0	33.8	-0.41	0.846	0.849	69.4	7.9	7.9	
IC-HGW-6	11/13/2024 9:43	63	18.8	0.1	18.1							
IC-HGW-7	2/14/2024 11:18	40.2	13	0	46.8	-0.58	1.204	1.206	41.4	9.5	9.5	
IC-HGW-7	3/13/2024 9:50	27.5	13.1	0	59.4	-1.35	1.18	1.183	59	8.9	9	
IC-HGW-7	5/14/2024 11:47	36	12.9	0	51.1	-0.73	0.944	0.943	70.5	8.1	8.1	
IC-HGW-7	7/15/2024 8:56	44.7	13.3	0	42	-0.92	1.124	1.121	60.8	9	9.1	
IC-HGW-7	8/22/2024 14:18	46.9	17.4	0	35.7	-0.46	0.762	0.765	68	7.4	7.4	
IC-HGW-7	11/13/2024 9:37	54.7	19.5	0.3	25.5							
IC-HGW-8	2/14/2024 11:24	47	13.1	0	39.9	-0.21	2.461	2.46	42.9	3.6	3.6	
IC-HGW-8	3/13/2024 10:03	33	12.3	0	54.7	-0.84	2.605	2.611	61.2	3.5	3.5	
IC-HGW-8	5/14/2024 11:55	39.4	12	0	48.6	-0.41	1.891	1.892	72.5	3	3	
IC-HGW-8	7/15/2024 9:01	48.5	14.3	0	37.2	-0.53	1.755	1.759	65	2.9	3	
IC-HGW-8	11/13/2024 9:35	53.6	17.8	0.1	28.5							
IC-HGW-9	2/14/2024 11:36	64.6	17.7	0	17.7	-0.38	3.139	3.135	42.3	1.8	1.8	
IC-HGW-9	3/13/2024 10:12	50.9	15.7	2.5	30.9	-0.74	3.394	3.393	71.5	1.7	1.7	
IC-HGW-9	5/14/2024 12:14	43.1	13.8	3.7	39.4	-1.09	1.967	1.965	78.6	1.3	1.3	
IC-HGW-9	7/15/2024 9:09	38.1	15.6	5.1	41.2	-1.26	1.793	1.794	64.3	1.2	1.2	
IC-HGW-9	8/22/2024 13:58	36.4	13.4	5.8	44.4	-0.91	1.326	1.334	66.6	1.1	1.1	
IC-HGW-9	11/13/2024 8:53	38.6	15.2	5.9	40.3							
IC-SC-OF	2/14/2024 8:38	0	0.2	20.7	79.1							
IC-SC-OF	5/15/2024 7:56	0	0.2	20.6	79.2							
IC-SH-BA	2/14/2024 8:37	0	0.2	20.3	79.5							
IC-SH-BA	5/15/2024 7:55	0	0.2	20.4	79.4							
IC-T--LG	2/14/2024 11:49	52	17	0.1	30.9	-7.91	8.226	8.075	45.5	0	0	
IC-T--LG	3/13/2024 10:23	44	16.1	0.2	39.7	-8.66	8.817	8.815	67.5	0	0	
IC-T--LG	5/14/2024 12:31	46.4	15.8	0.2	37.6	-6.49	6.609	6.609	65.4	0	0	
IC-T--LG	7/15/2024 9:18	50.8	18.6	0.2	30.4	-5.95	6.106	6.108	61.3	0	0	
IC-T--LG	8/22/2024 14:58	50.2	19.7	0.5	29.6	-6.3	6.252	6.251	78.2	0	0	
IC-T--LG	11/13/2024 8:35	64.7	20.7	0.2	14.4							
IC-T--SV	2/14/2024 11:50	4.4	15.7	1.5	78.4	-20.83	>>>>	>>>>	44.5	0	0	

Table 7. Landfill Gas Monitoring Data
2024 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 ("H20)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-T--SV	3/13/2024 10:25	4.3	15.1	1.7	78.9	-21.79	>>>>	>>>>	73	0	0	
IC-T--SV	5/14/2024 12:33	4.2	14.5	1.6	79.7	-20.85	>>>>	>>>>	65.9	0	0	
IC-T--SV	7/15/2024 9:19	4.2	15.4	1.6	78.8	-19.18	>>>>	>>>>	62.2	0	0	
IC-T--SV	8/22/2024 14:57	9.7	15.4	2.4	72.5	-19.11	N/A	N/A	78.7	0	0	
IC-T--SV	11/13/2024 8:37	54.1	19.4	0.4	26.1							
IC-VGW-1	2/14/2024 10:47	3.8	15.8	0	80.4	-3.09	1.681	1.68	41.9	10.2	10.2	
IC-VGW-1	3/13/2024 9:16	4.3	14.9	0.9	79.9	-3.88	1.533	1.532	51	9.6	9.7	
IC-VGW-1	5/14/2024 11:11	3.4	14.9	0	81.7	-2.33	0.568	0.568	69.2	5.8	5.8	
IC-VGW-1	7/15/2024 8:30	3.4	15.6	0	81	-3	1.218	1.217	60.3	8.5	8.5	
IC-VGW-1	8/22/2024 14:42	3.3	14.5	0	82.2	-1.55	0.335	0.336	71.2	7.7	7.8	
IC-VGW-1	11/13/2024 10:00	6.6	15.3	0	78.1							
IC-VGW-2	2/14/2024 10:53	41.2	6.5	0	52.3	-0.51	1.813	3.268	42.9	1.3	1.8	
IC-VGW-2	3/13/2024 9:17	39.3	6.6	0	54.1	-1.18	4.077	4.08	49.2	1.9	1.9	
IC-VGW-2	5/14/2024 11:19	38.6	5.8	0	55.6	-0.73	2.87	2.868	78.9	1.6	1.6	
IC-VGW-2	7/15/2024 8:34	38.4	6.3	0	55.3	-0.56	1.674	1.941	58.4	1.2	1.3	
IC-VGW-2	7/15/2024 8:34	38.4	6.3	0	55.3	-0.56	1.674	1.941	58.4	1.2	1.3	
IC-VGW-2	8/22/2024 14:39	37.4	5.7	0.2	56.7	-0.41	2.679	2.682	71	3.7	3.7	
IC-VGW-2	11/13/2024 9:58	45.6	7.7	0	46.7							
IC-VGW-3	2/14/2024 11:01	40.9	14.4	0	44.7	-0.14	3.889	3.887	42.3	1.9	1.9	
IC-VGW-3	3/13/2024 9:30	51.6	15.2	0	33.2	-1.11	4.025	4.023	53	1.9	1.9	
IC-VGW-3	5/14/2024 11:30	43.3	12.9	0	43.8	-0.54	2.852	2.85	72.8	1.6	1.6	
IC-VGW-3	7/15/2024 8:45	47.4	14.3	0	38.3	-0.51	2.521	2.528	66.4	1.5	1.5	
IC-VGW-3	8/22/2024 14:31	41	14	0	45	-0.12	3.039	3.044	68.4	3.9	3.9	
IC-VGW-3	11/13/2024 9:50	49	15.2	0	35.8							
IC-VGW-4	2/14/2024 11:15	46.5	7.7	0	45.8	-0.44	4.405	4.407	41.9	2.1	2.1	
IC-VGW-4	3/13/2024 9:44	52.2	9.6	0	38.2	-1.35	4.298	4.379	60.6	2	2	
IC-VGW-4	5/14/2024 11:44	48	5.6	0	46.4	-0.68	3.2	3.199	68.9	1.7	1.7	
IC-VGW-4	7/15/2024 8:54	47.1	6.9	0	46	-0.79	2.869	2.873	65.9	1.6	1.6	
IC-VGW-4	8/22/2024 14:21	42.8	6.6	0	50.6	-0.34	3.261	3.267	69.5	4.1	4.1	
IC-VGW-4	11/13/2024 9:39	54	8.2	0	37.8							
IC-VGW-5	2/14/2024 11:20	5.1	16.7	0.4	77.8	-10.75	6.906	6.918	42.4	34.6	34.6	
IC-VGW-5	3/13/2024 9:56	5	16.2	0.5	78.3	-12.51	6.644	6.543	59.8	33.3	33	
IC-VGW-5	5/14/2024 11:52	4.5	15.3	0.5	79.7	-11.05	7.268	7.319	87.6	34.1	34.1	
IC-VGW-5	7/15/2024 8:58	4.7	16.2	0.5	78.6	-9.15	6.318	6.387	62.3	32.5	32.7	
IC-VGW-5	8/22/2024 14:15	4.2	14.1	1.1	80.6	-9.73	7.189	5.129	72.8	35.5	30	
IC-VGW-5	11/13/2024 9:32	3.4	18.3	0	78.3							
IC-VGW-6	2/14/2024 11:26	45.6	11.4	0	43	-0.32	4.578	4.579	42.8	2	2.1	
IC-VGW-6	3/13/2024 10:05	40.1	10.3	0	49.6	-1.14	4.495	4.49	66.3	2	2	
IC-VGW-6	5/14/2024 11:57	46.8	9.4	0	43.8	-0.56	3.27	3.274	77.4	1.7	1.7	
IC-VGW-6	7/15/2024 9:02	49.2	10.9	0	39.9	-0.76	3.034	3.034	63.1	1.7	1.7	
IC-VGW-6	8/22/2024 13:54	0.1	5.4	14.1	80.4	-0.64	0.061	0.065	69.3	0.2	0.2	
IC-VGW-6	8/22/2024 14:10	47.2	10.9	0.4	41.5	-0.25	3.109	3.11	68.3	1.7	1.7	
IC-VGW-6	11/13/2024 9:28	40.9	17.6	0	41.5							
IC-VGW-6	11/13/2024 9:30	52.6	18.1	0	29.3							
IC-VGW-7	2/14/2024 11:34	1	19.9	0	79.1	-13.17	5.122	4.993	42	1.9	1.9	
IC-VGW-7	3/13/2024 10:10	2.7	20.1	0.2	77	-14.17	4.957	4.681	69.9	1.8	1.8	
IC-VGW-7	5/14/2024 12:12	1.4	18.6	0	80	-14.26	4.032	4.612	81	1.6	1.8	
IC-VGW-7	7/15/2024 9:07	2	18.8	1.1	78.1	-14.37	2.244	2.115	63.3	1.2	1.2	
IC-VGW-7	8/22/2024 14:00	1.1	17.6	0.6	80.7	-15.04	1.877	3.333	67.7	1.2	1.5	
IC-VGW-7	11/13/2024 8:58	7.4	18.3	3.4	70.9							

Table 7. Landfill Gas Monitoring Data
2024 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 ("H20)	Init Diff Press	Init Flow (scfm)	Adj Flow (SCFM)	System Pressure
IC-VGW-8	2/14/2024 11:32	7.6	17	6.5	68.9	0.01	0.001	0	45.1	0.1	0	
IC-VGW-8	3/13/2024 10:08	9.4	23.6	0	67	0.01	-0.002	-0.003	66.4	0	0	
IC-VGW-8	5/14/2024 12:10	10.3	21.1	0	68.6	0	0	-0.001	91.5	0	0	
IC-VGW-8	7/15/2024 9:05	12.2	21.8	0	66	-0.01	-0.003	-0.002	63.2	0	0	
IC-VGW-8	8/22/2024 14:04	19	19.9	0.4	60.7	0	-0.01	-0.008	66.8	0	0	
IC-VGW-8	8/22/2024 14:12	49	13.8	0.2	37	-0.12	1.487	1.488	68.5	2.8	2.8	
IC-VGW-8	11/13/2024 9:26	31.9	25.3	0	42.8							
IC-VGW-9	2/14/2024 11:38	0.5	6.6	13.2	79.7	-0.71	0.092	0.092	43.6	4.1	4.1	
IC-VGW-9	3/13/2024 10:14	0.5	6.2	12.6	80.7	-1.56	0.101	0.102	72.3	4.2	4.2	
IC-VGW-9	5/14/2024 12:16	0.3	5.6	12.2	81.9	-1.07	0.084	0.085	90.2	3.7	3.8	
IC-VGW-9	7/15/2024 9:10	0.4	6.3	12.2	81.1	-1.17	0.073	0.075	64.4	3.5	3.6	
IC-VGW-9	8/22/2024 14:08	0.2	6.2	13.6	80	-0.87	0.042	0.047	69.4	2.8	2.9	
IC-VGW-9	11/13/2024 8:50	2.9	6.4	14	76.7							

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	
12/27/2023	75,029	111,225	43,094	322,343	
1/2/2024	75,035	111,261	43,187	323,039	
1/9/2024	75,040	111,303	43,292	323,824	
1/23/2024	75,056	111,426	43,711	326,958	
2/15/2024	75,074	111,526	43,852	328,013	
2/27/2024	75,084	111,597	43,947	328,724	
1/2/2024	75,035	111,261	43,187	323,039	
1/9/2024	75,040	111,303	43,292	323,824	
1/23/2024	75,056	111,426	43,711	326,958	
2/15/2024	75,074	111,526	43,852	328,013	
2/27/2024	75,084	111,597	43,947	328,724	
3/12/2024	75,095	111,684	44,167	330,369	
4/4/2024	75,118	111,826	44,332	331,603	
4/9/2024	75,121	111,841	44,360	331,813	
4/29/2024	75,137	111,955	44,409	332,179	
5/7/2024	75,145	112,003	44,473	332,658	
5/14/2024	75,152	112,046	44,497	332,838	
5/28/2024	75,169	112,138	44,460	332,561	
6/11/2024	75,181	112,216	44,692	334,296	
6/19/2024	75,187	112,264	44,712	334,446	
7/2/2024	75,199	112,342	44,722	334,521	
7/10/2024	75,205	112,390	44,723	334,528	
7/21/2024	75,219	112,478	44,723	334,528	
8/6/2024	75,231	112,560	44,724	334,536	
8/15/2024	75,239	112,613	44,724	334,536	
8/27/2024	75,254	112,687	44,822	335,269	
9/3/2024	75,260	112,727	44,849	335,471	
9/10/2024	75,266	112,771	44,855	335,515	
10/3/2024	75,295	112,803	44,909	335,919	
10/8/2024	75,299	112,897	44,927	336,054	
10/24/2024	75,313	113,012	45,047	336,952	
11/12/2024	75,328	113,088	45,314	338,949	
11/25/2024	75,343	113,143	45,622	341,253	
12/4/2024	75,352	113,152	45,684	341,716	
Total Hours	**32,342**	**63,949**			
Avg hrs./day	**4.95**	**9.79**			
Total Hours (2024)	**323**	**1,918**			
Avg hrs./day (2024)	**0.88**	**5.25**			

Data obtained from 2005 through 2024 has been summarized as annual totals for brevity.

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

Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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
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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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
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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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

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						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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				

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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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				

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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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

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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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				
	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				

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						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (ft^3)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft^3)	Accum. Volume (ft^3)
	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
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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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
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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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								91,163				
	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
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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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
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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (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	42,264								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
	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				

Table 9. Soil Gas and Landfill Gas Removal Volumes
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Date Flow Recorded	Date Blower Hours Recorded	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (ft^3)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft^3)	Accum. Volume (ft^3)
	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
	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

Table 9. Soil Gas and Landfill Gas Removal Volumes
2024 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)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (ft^3)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft^3)	Accum. Volume (ft^3)
	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								108,284				
	8/9/2022	74,574								108,315				
8/17/2022	8/17/2022	74,584	57	43.6	149,217	87,941,537	38.1	130,416	62,188,557	108,365	123	61.3	452,059	158,660,580
	8/23/2022	74,588								108,397				
	8/31/2022	74,594								108,445				
	9/7/2022	74,602								108,492				
	9/13/2022	74,606								108,523				
	9/30/2022	74,613								108,576				
	10/7/2022	74,628								108,672				
	10/11/2022	74,630								108,695				
10/17/2022	10/18/2022	74,639	55	43.9	144,993	88,086,530	39.5	130,204	62,318,761	108,734	369	61.8	1,368,577	160,029,157
	10/25/2022	74,646								108,786				
	11/2/2022	74,652								108,829				
	11/17/2022	74,665								108,914				
	11/30/2022	74,676								108,989				
12/8/2022	12/6/2022	74,680	41	44.7	109,898	88,196,428	37.3	91,655	62,410,415	109,028	294	62.9	1,109,012	161,138,169
	12/13/2022	74,693								109,067				
	12/27/2022	74,704								109,153				
	2/7/2023	74,739								109,403				
	2/14/2023	74,744								109,445				
	2/28/2023	74,755								109,529				
	3/7/2023	74,761								109,576				
	3/14/2023	74,766								109,613				
	3/20/2023	74,770								109,649				
	3/28/2023	74,784								109,743				
	4/10/2023	74,788								109,775				
4/18/2023	4/26/2023	74,808	128	44.74	343,603	88,540,031	37.0	284,503	62,694,919	109,878	850	62.9	3,209,940	164,348,109
	5/4/2023	74,815								109,922				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2024 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)	Monthy Volume (ft^3)	Landfill Gas Removal				Soil Gas/Vapor Removal				
						Accum. Volume (ft^3)	Flow @ 50% CH4 (scfm)	Monthly Volume @ 50% CH4 (ft^3)	Accum. Volume @ 50% CH4 (ft^3)	Actual Elapsed Blower Hours	Monthly Blower Hours	Flow (scfm)	Monthly Volume (ft^3)	Accum. Volume (ft^3)
	5/18/2023	74,827								110,010				
	5/30/2023	74,836								110,078				
6/6/2023	6/6/2023	74,836	28	43.83	73,634	88,613,665	38.7	65,093	62,760,012	110,120	242	61.7	895,158	165,243,267
	6/13/2023	74,846								110,126				
	6/28/2023	74,860								110,126				
	7/11/2023	74,870								110,198				
	7/20/2023	74,878								110,254				
7/24/2023	7/26/2023	74,887	51	43.98	134,579	88,748,244	38.7	118,429	62,878,441	110,291	171	62.0	636,428	165,879,694
	8/2/2023	74,893								110,333				
	8/16/2023	74,905								110,417				
	8/29/2023	74,917								110,499				
9/12/2023	9/12/2023	74,928	41	44.08	108,437	88,856,681	35.9	88,268	62,966,709	110,579	288	62.1	1,073,779	166,953,474
	9/19/2023	74,936								110,628				
	10/11/2023	74,956								110,767				
10/23/2023	10/23/2023	74,967	39	44.47	104,060	88,960,741	46.6	109,055	63,075,763	110,832	253	62.8	953,304	167,906,778
	11/1/2023	74,978								110,886				
	11/8/2023	74,983								110,928				
	11/13/2023	74,987								110,958				
	11/30/2023	75,003								111,060				
12/5/2023	12/6/2023	75,012	45	44.5	120,150	89,080,891	48.4	130,723	63,206,486	111,100	268	62.6	1,006,769	168,913,546
	12/18/2023	75,022								111,174				
	12/27/2023	75,029								111,225				
	1/2/2024	75,035								111,261				
	1/9/2024	75,040								111,303				
	1/23/2024	75,056								111,426				
2/14/2024	2/15/2024	75,074	62	97.6	363,072	89,443,963	100.9	375,416	63,581,903	111,526	426	72.7	1,858,212	170,771,758
	2/27/2024	75,084								111,597				
3/13/2024	3/12/2024	75,095	21	94.3	118,818	89,562,781	82.2	103,609	63,685,512	111,684	158	70.8	671,184	171,442,942
	4/4/2024	75,118								111,826				
	4/9/2024	75,121								111,841				
	4/29/2024	75,137								111,955				
	5/7/2024	75,145								112,003				
5/14/2024	5/14/2024	75,152	57	94.8	324,216	89,886,997	87.6	299,576	63,985,088	112,046	362	68.4	1,485,648	172,928,590
	5/28/2024	75,169								112,138				
	6/11/2024	75,181								112,216				
	6/19/2024	75,187								112,264				
	7/2/2024	75,199								112,342				
	7/10/2024	75,205								112,390				
7/15/2024	7/21/2024	75,219	67	94.6	380,292	90,267,289	95.0	381,813	64,366,901	112,478	432	71.7	1,858,464	174,787,054
	8/6/2024	75,231								112,560				
	8/15/2024	75,239								112,613				
8/22/2024	8/27/2024	75,254	35	0	0	90,267,289	0.0	0	64,366,901	112,687	209	0.0	0	174,787,054
	9/3/2024	75,260								112,727				
	9/10/2024	75,266								112,771				
	10/3/2024	75,295								112,803				
	10/8/2024	75,299								112,897				
	10/24/2024	75,313								113,012				
11/13/2024	11/12/2024	75,328	74	0	0	90,267,289	0.0	0	64,366,901	113,088	401	0.0	0	174,787,054
	11/25/2024	75,343								113,143				
	12/4/2024	75,352								113,152				

Table 10. LFG and SVE System Flow Rates
2024 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

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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
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

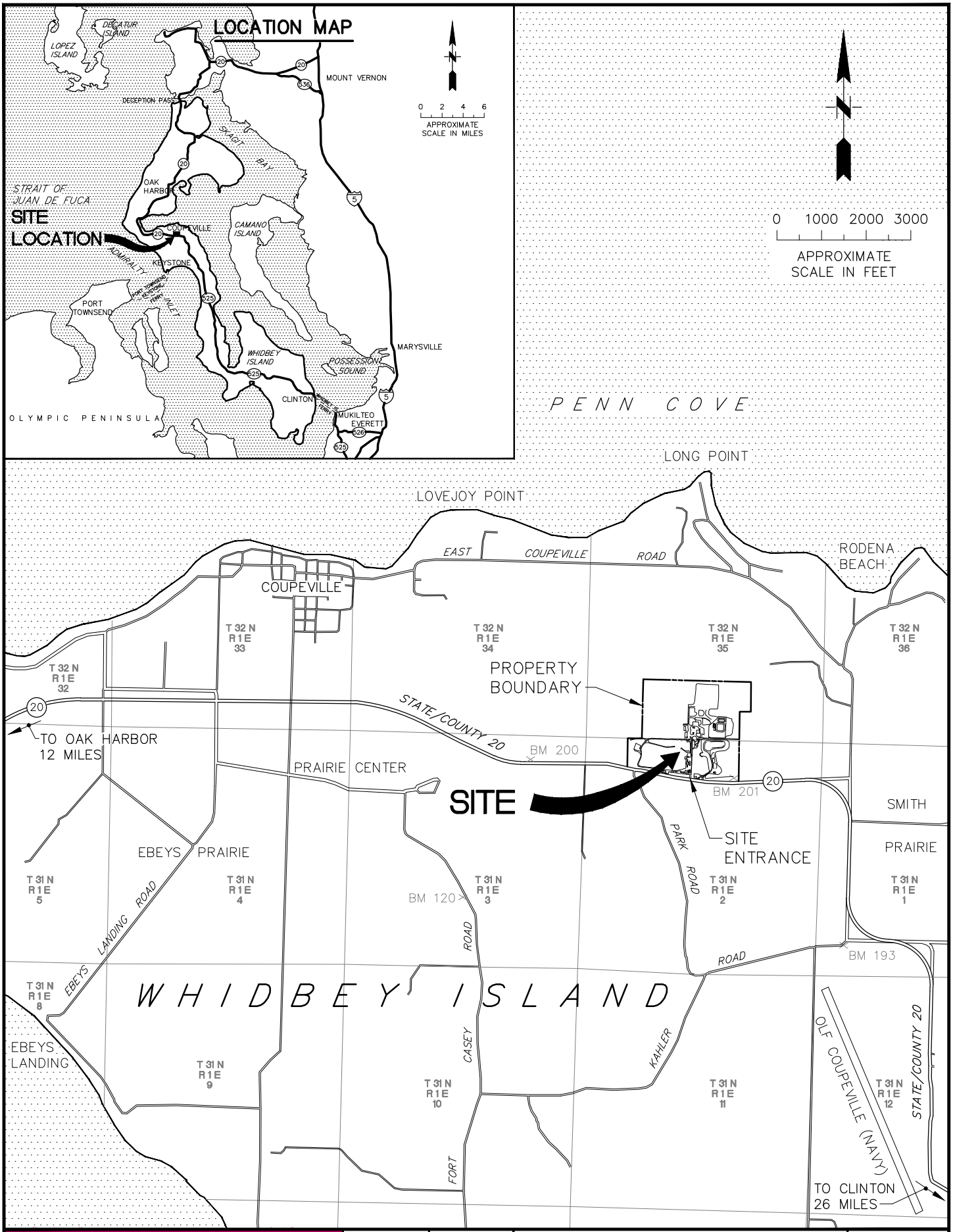
Date	SVE System				LFG System				
	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Flow @ 50% CH_4 (scfm)
11/18/2016	1.4	15.0	0.9	33.0	50.7	21.2	0.2	50.0	50.7
12/20/2016	0.8	12.3	4.3	29.0	48.1	19.9	0.0	50.0	48.1
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
2024 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
2/14/2024	3.8	15.6	1.7	72.7	51.7	17.1	0.1	97.6	100.9
3/13/2024	3.9	14.9	1.8	70.8	43.6	16.1	0.3	94.3	82.2
5/14/2024	3.6	14.0	1.8	68.4	46.2	15.9	0.3	94.8	87.6
7/15/2024	3.6	14.9	1.6	71.7	50.2	18.5	0.3	94.6	95.0
8/22/2024	0.9	1.3	18.9	N/M	49.6	19.3	0.6	N/M	N/M
11/13/2024	50.9	17.9	1.9	N/M	66.3	21.1	0.1	N/M	N/M

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. 04224035.24	DES BY L.E.L.	SITE LOCATION MAP 2024 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY COUPEVILLE, WASHINGTON
	SCALE AS SHOWN	CHK BY D.V.	DATE JANUARY 2025
	CAD FILE FIGURE 1	APP BY G.H.	FIGURE 1

NOTES:

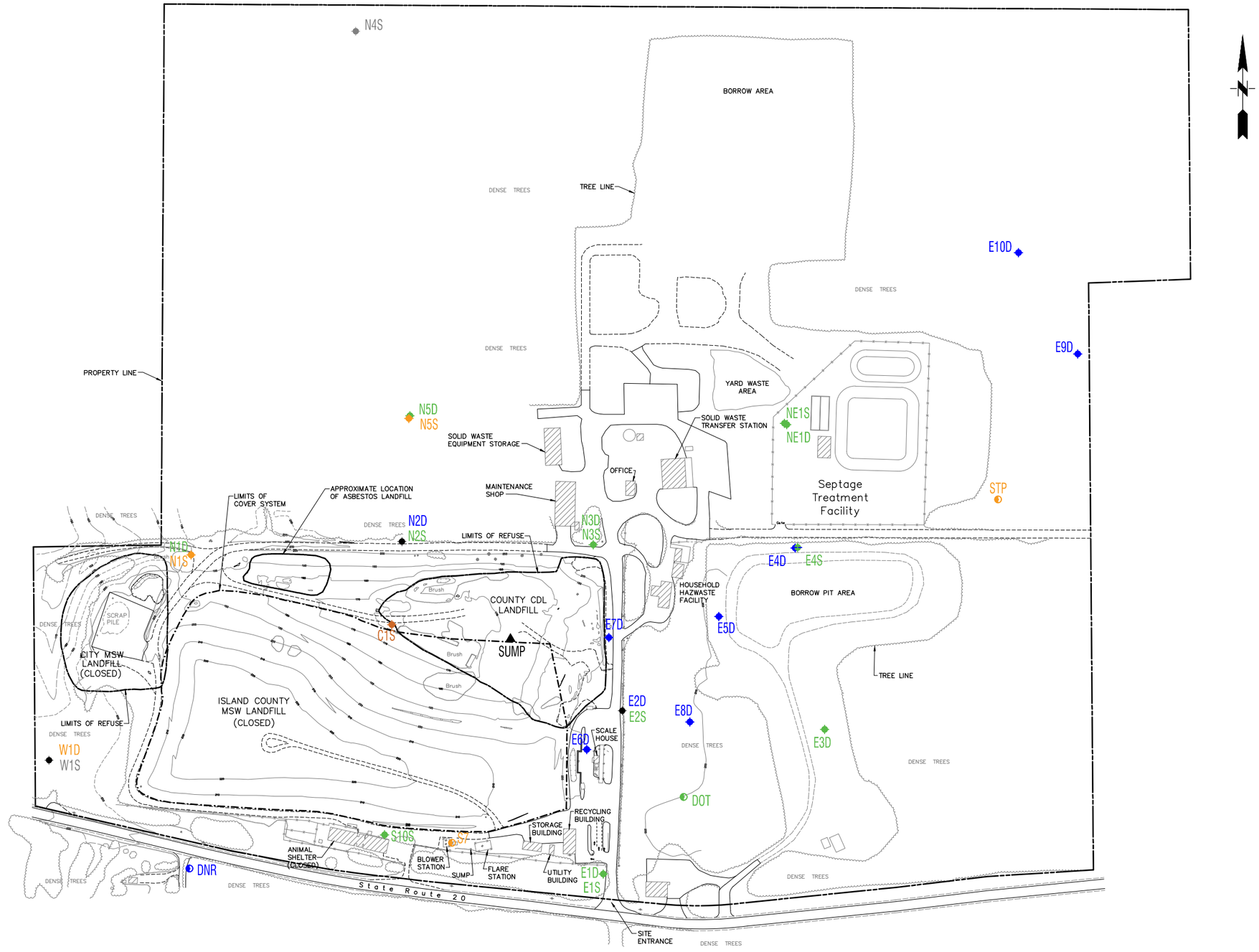
THE SITE TOPOGRAPHIC BASE MAP WAS CREATED BY AERIAL PHOTOGRAMMETRY. BASE MAP PREPARED BY OTHERS. DATE OF PHOTOGRAPH 12-OCT-02.

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
- E2D — Well Location Sampled during Each Quartely Event
- E2D — Well Location only Sampled during Q2 and Q4 Events
- C1S — Well Location only Sampled during the Two Year Event
- N4S — Well Location Not Sampled

GRAPHIC SCALE:

0 300 600

SCALE IN FEET

OFFSITE WELL PAIR S11S/D IS LOCATED APPROXIMATELY 650 FT SOUTH OF ROUTE 20

OFFSITE WELL PAIR SES/D IS LOCATED APPROXIMATELY 500 FT SOUTH OF ROUTE 20

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2024 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY L.E.L.
SCALE AS SHOWN	CHK BY D.V.
CAD FILE Figure 2	APP BY G.H.

GROUNDWATER MONITORING WELL NETWORK

DATE JANUARY 2025

FIGURE 2

Figure 3. Groundwater Elevation Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

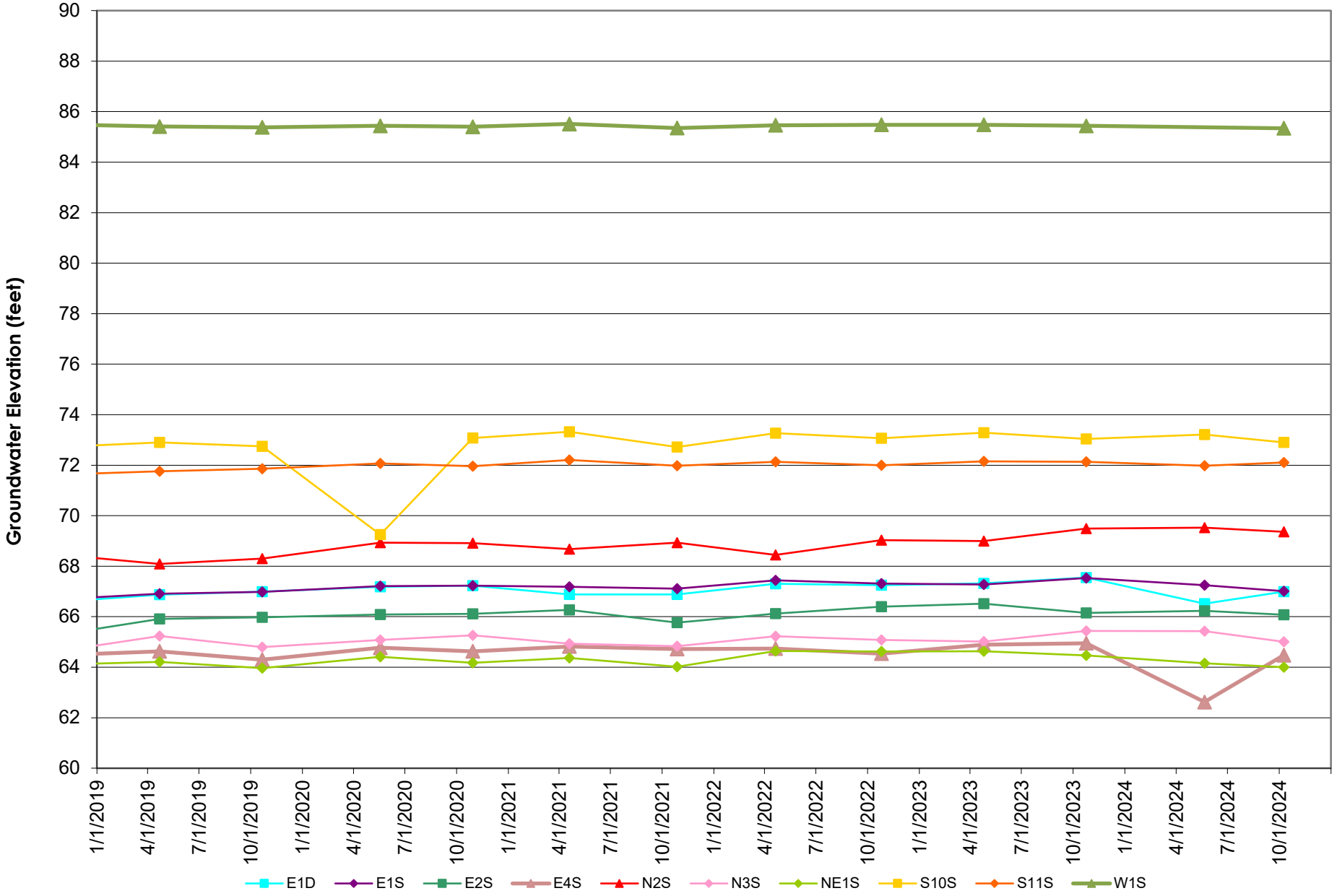
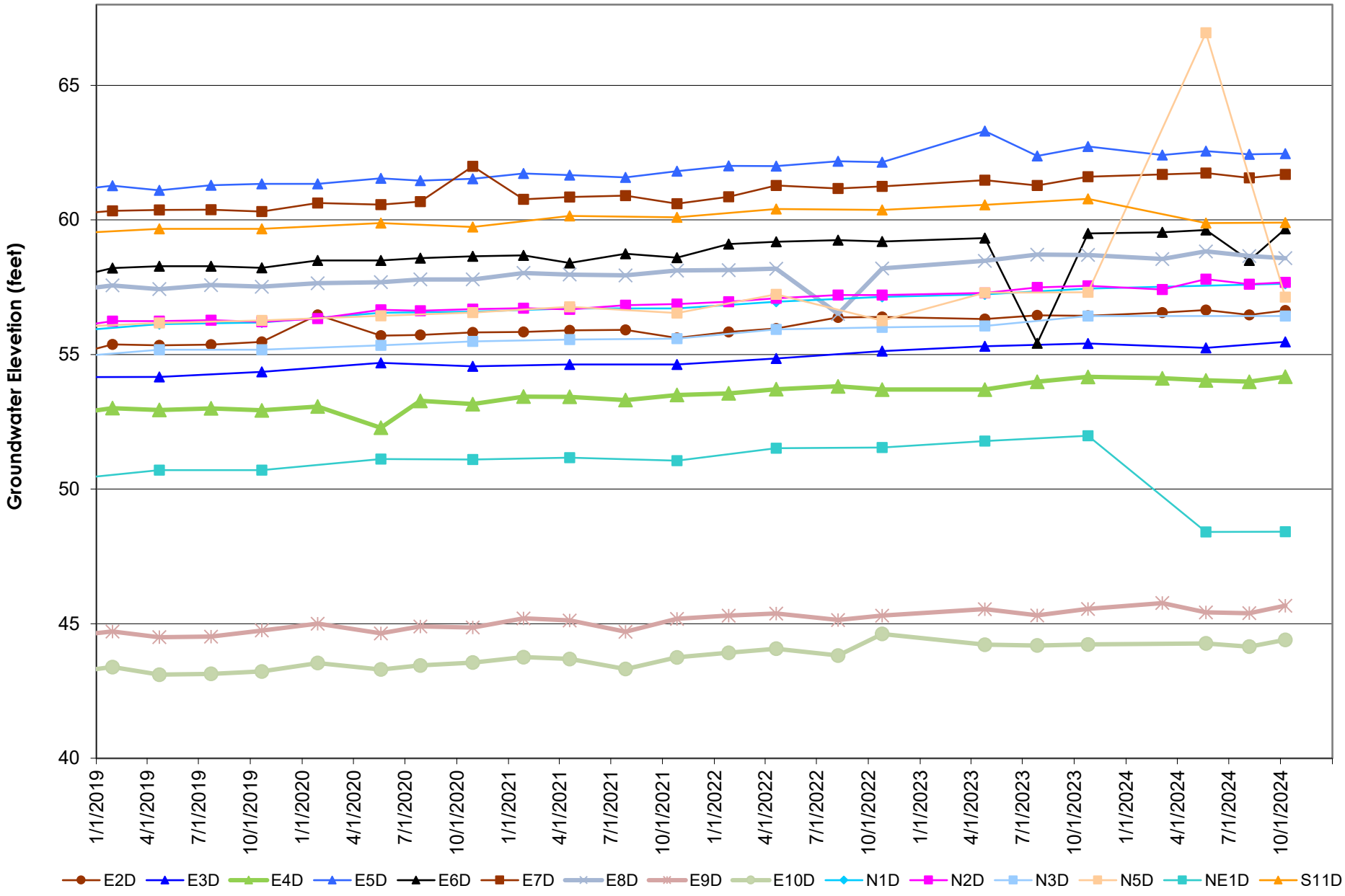
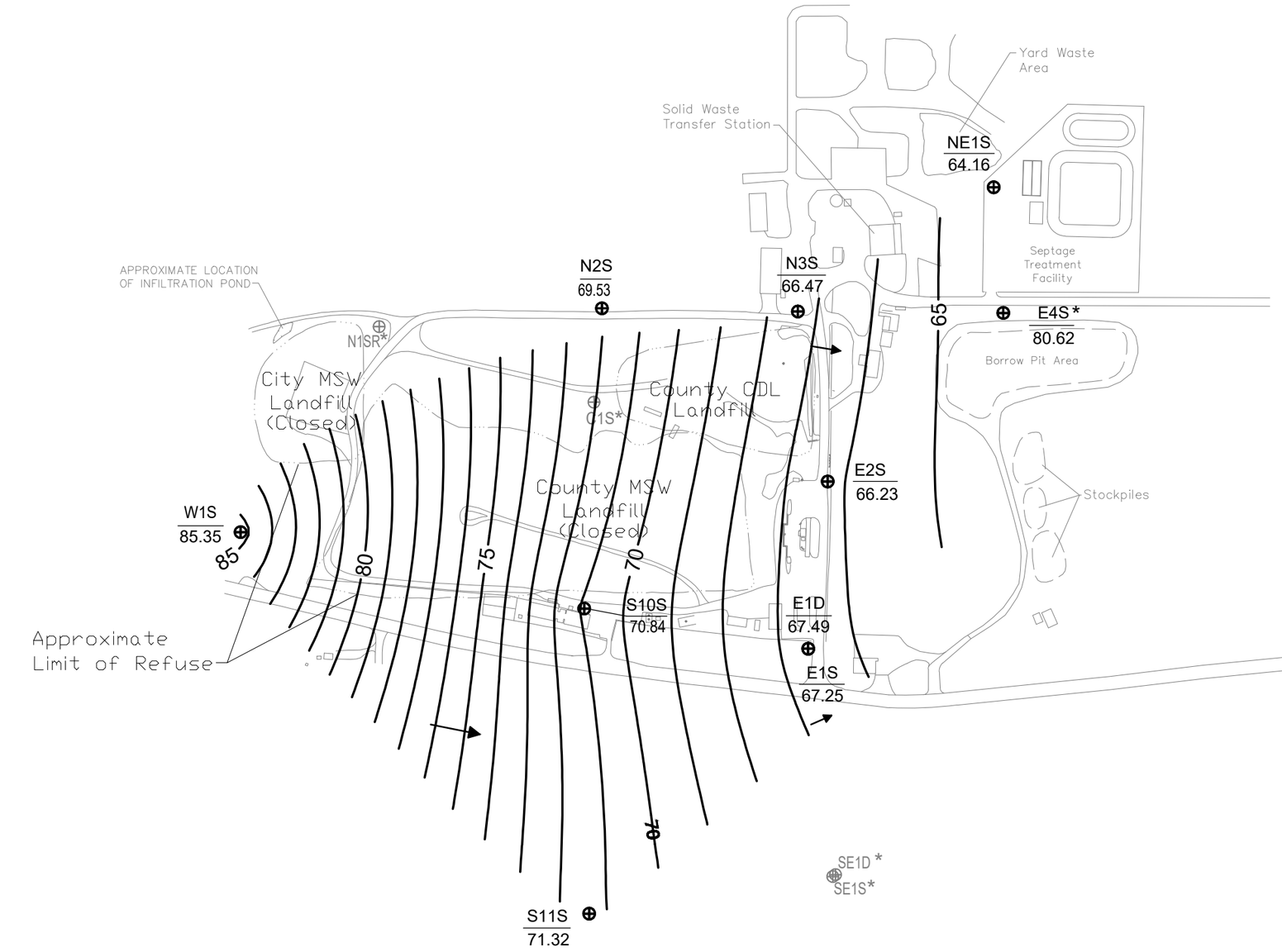


Figure 4. Groundwater Elevation Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington





GRAPHIC SCALE:

0 300 600

SCALE IN FEET

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

LEGEND

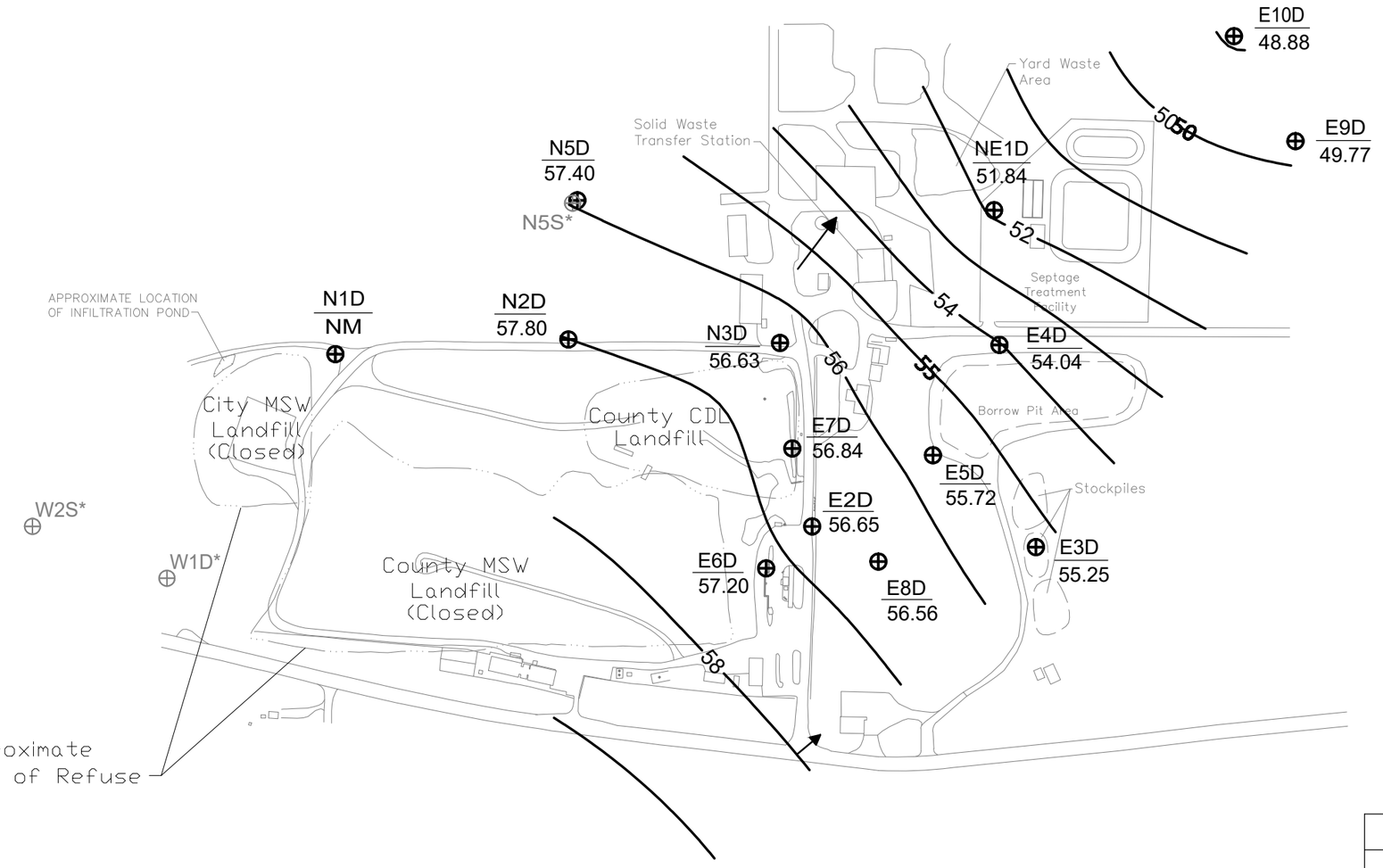
E2S 66.23	Well Name / Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

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DATA REVIEW
FOR THE SECOND QUARTER 2024

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY J.E.	MAY 2024 AQUIFER 1 GROUNDWATER ELEVATION MAP	DATE AUGUST 2024
SCALE 1" = 300'	CHK BY D.V.		FIGURE 5A
CAD FILE Figure 2	APP BY G.H.		



GRAPHIC SCALE:

0 300 600

SCALE IN FEET

LEGEND

E3D / 55.25	Well Name / Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
NM	Not Measured

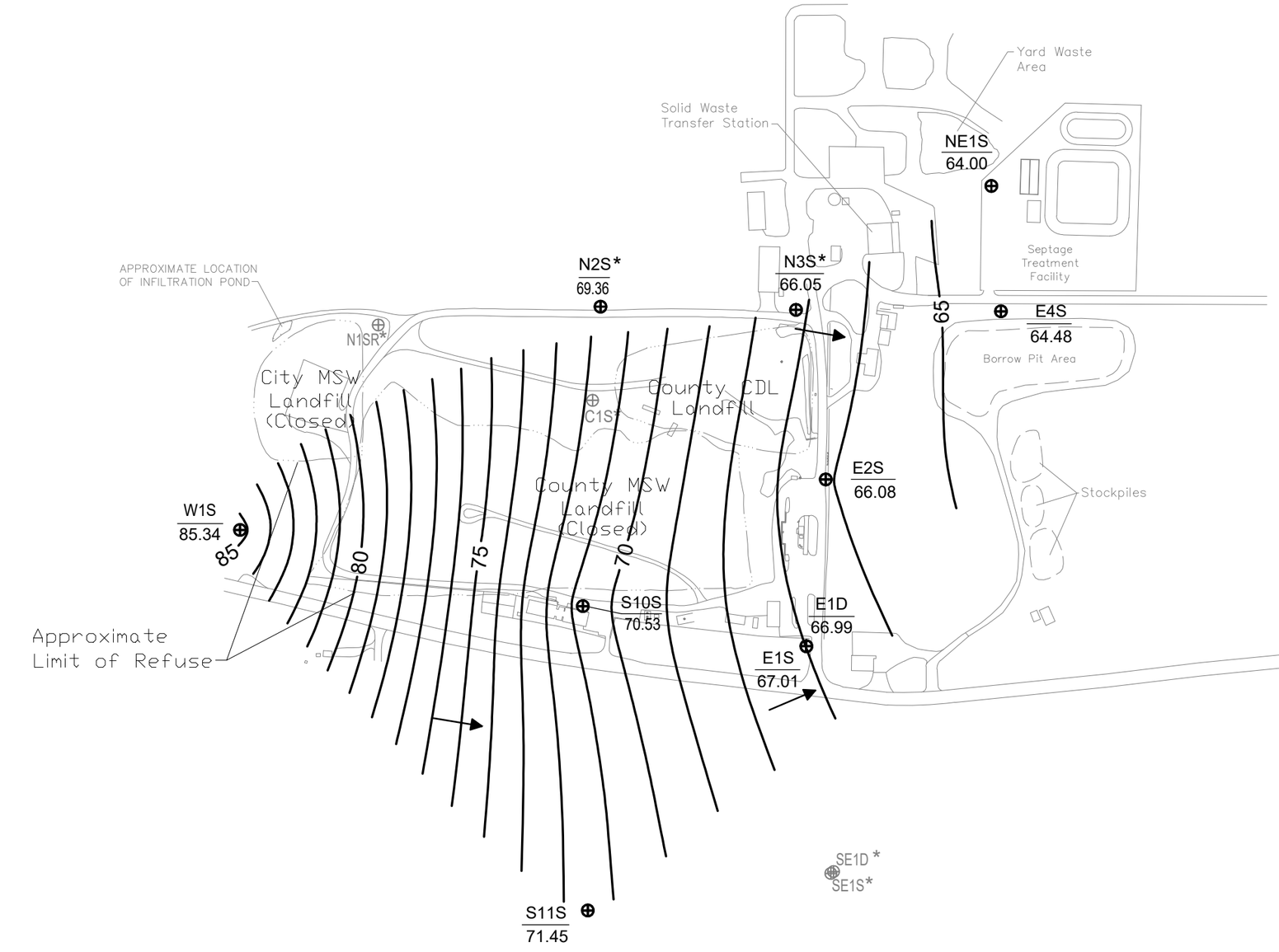
Note: Water Level at N1D and the two year wells were not used to make contours.

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DATA REVIEW
FOR THE SECOND QUARTER 2024

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY J.E.	MAY 2024 AQUIFER 2 GROUNDWATER ELEVATION MAP	DATE AUGUST 2024
SCALE 1" = 300'	CHK BY D.V.		FIGURE 5B
CAD FILE Figure 3	APP BY G.H.		



GRAPHIC SCALE:

0 300 600

SCALE IN FEET

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

LEGEND

E2S / 66.08	Well Name / Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

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DATA REVIEW
FOR THE FOURTH QUARTER 2024

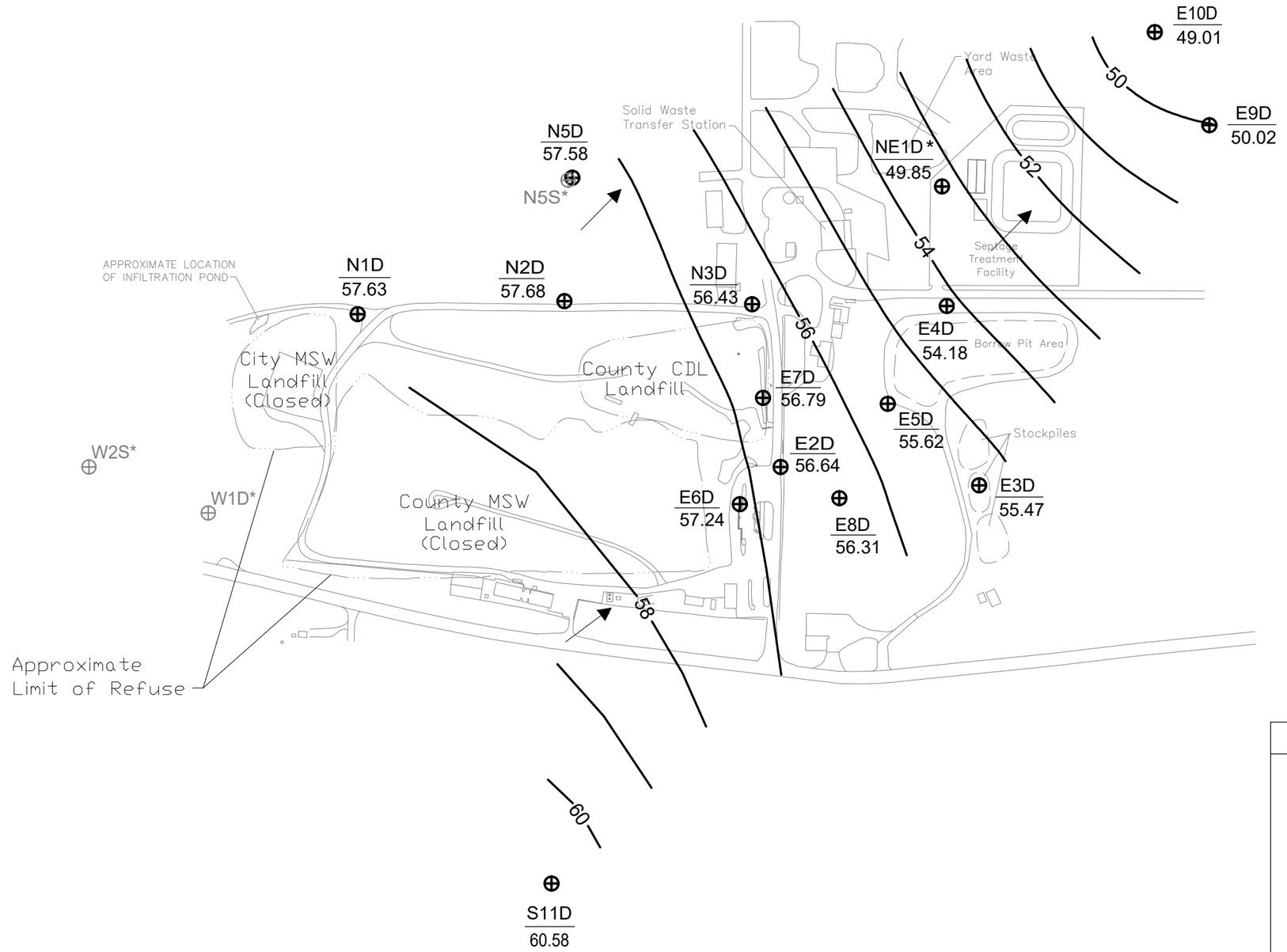
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY J.E.
SCALE 1" = 300'	CHK BY D.V.
CAD FILE Figure 2	APP BY G.H.

OCTOBER 2024
AQUIFER 1 GROUNDWATER ELEVATION MAP

DATE JANUARY 2025

FIGURE 6A



GRAPHIC SCALE:

0 300 600

SCALE IN FEET

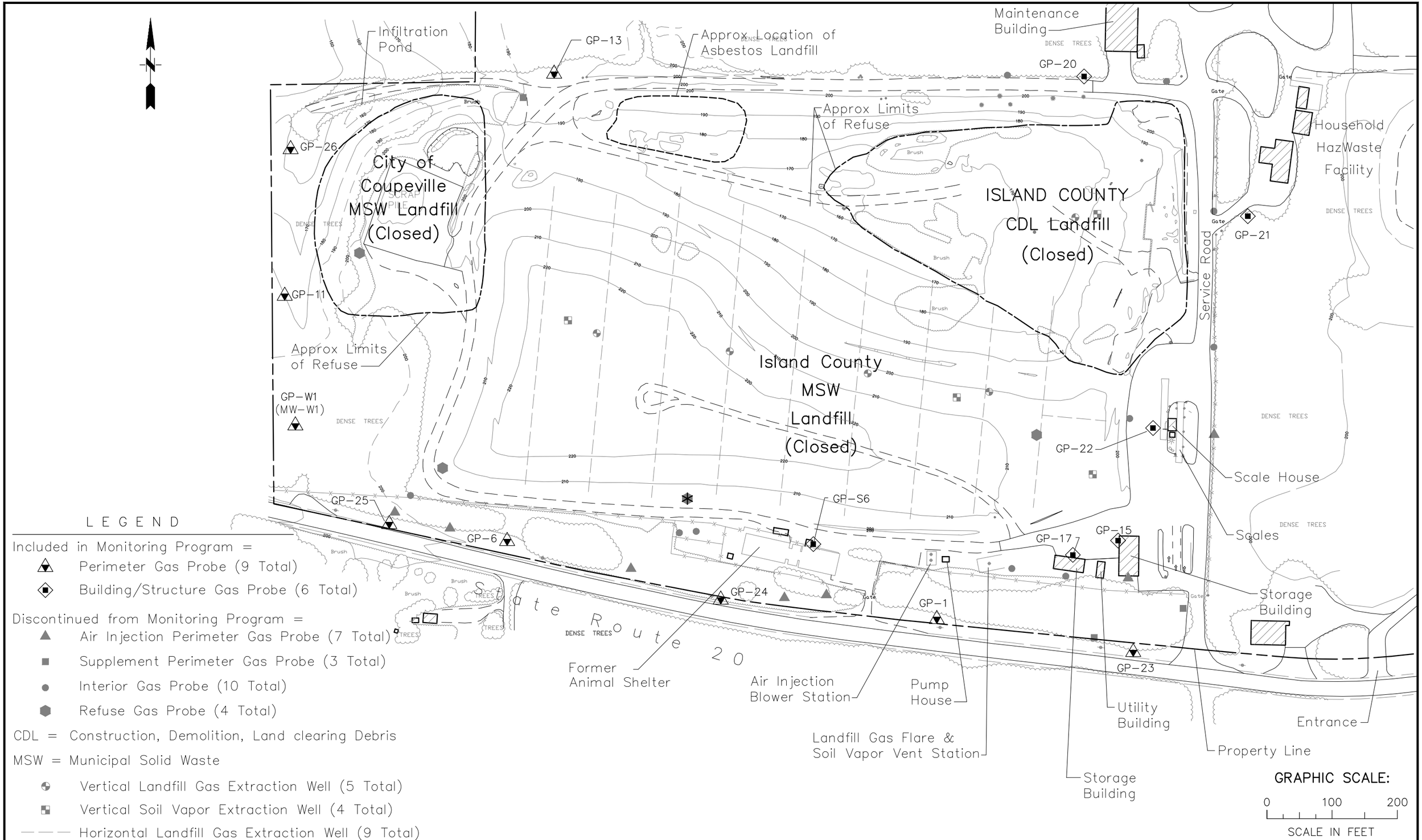
LEGEND	
E3D / 55.47	Well Name / Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

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

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DATA REVIEW
FOR THE FOURTH QUARTER 2024
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY J.E.	OCTOBER 2024 AQUIFER 2 GROUNDWATER ELEVATION MAP	DATE JANUARY 2025
SCALE 1" = 300'	CHK BY D.V.		FIGURE 6B
CAD FILE Figure 6B	APP BY G.H.		



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

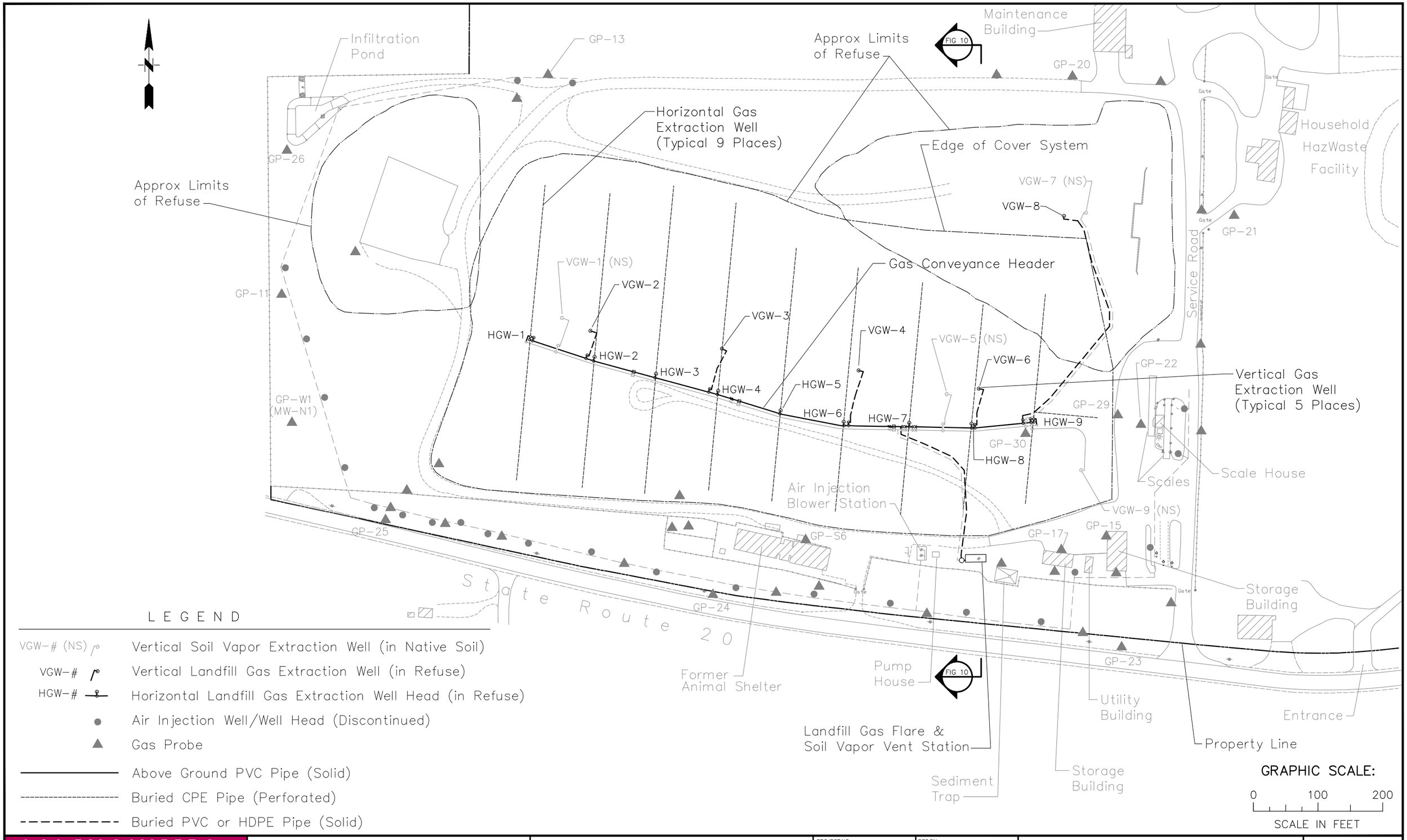
SCALE IN FEET

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2024 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY T.A.M.	LANDFILL GAS PROBE MONITORING NETWORK	DATE JANUARY 2025
SCALE AS SHOWN	CHK BY D.V.		FIGURE 7
CAD FILE Figure 7	APP BY G.H.		



LEGEND

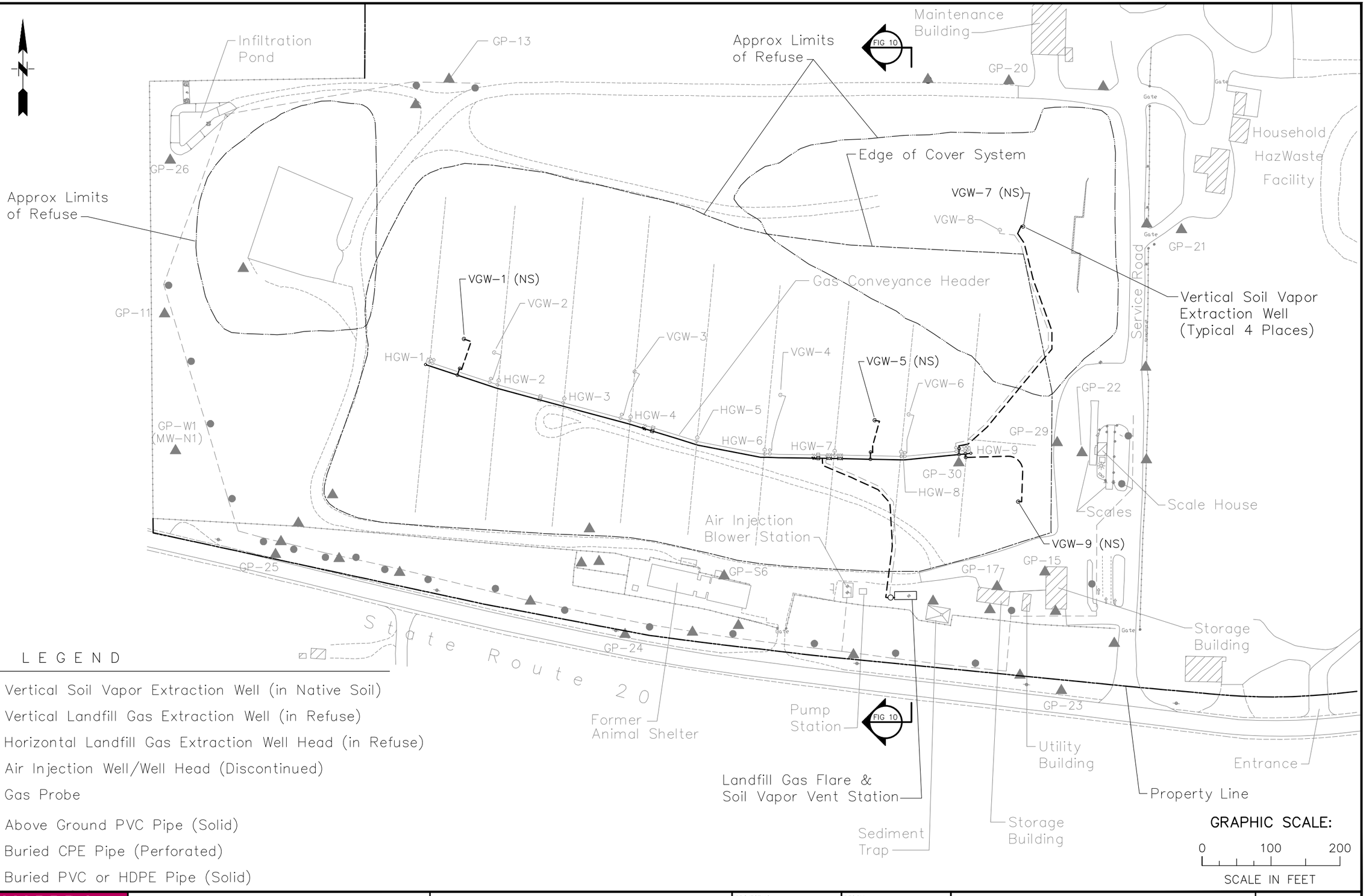
- VGW-# (NS) — Vertical Soil Vapor Extraction Well (in Native Soil)
- VGW-# — Vertical Landfill Gas Extraction Well (in Refuse)
- HGW-# — Horizontal Landfill Gas Extraction Well Head (in Refuse)
- Air Injection Well/Well Head (Discontinued)
- Gas Probe
- Above Ground PVC Pipe (Solid)
- Buried CPE Pipe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

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2024 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY T.A.M.	LANDFILL GAS EXTRACTION SYSTEM	DATE JANUARY 2025
SCALE AS SHOWN	CHK BY D.V.		FIGURE 8
CAD FILE Figure 8	APP BY G.H.		



LEGEND

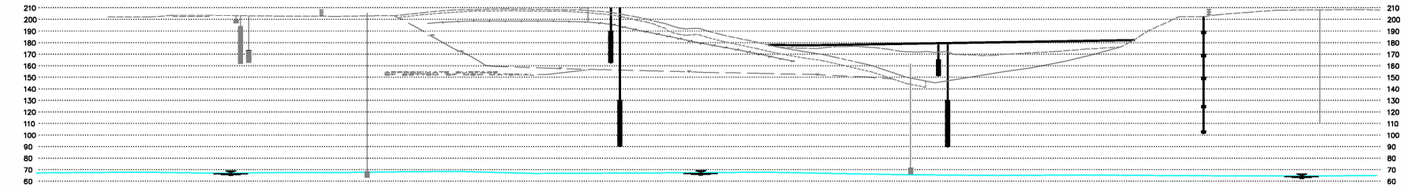
- VGW-# (NS) — Vertical Soil Vapor Extraction Well (in Native Soil)
- VGW-# — Vertical Landfill Gas Extraction Well (in Refuse)
- HGW-# — Horizontal Landfill Gas Extraction Well Head (in Refuse)
- Air Injection Well/Well Head (Discontinued)
- Gas Probe
- Above Ground PVC Pipe (Solid)
- Buried CPE Pipe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

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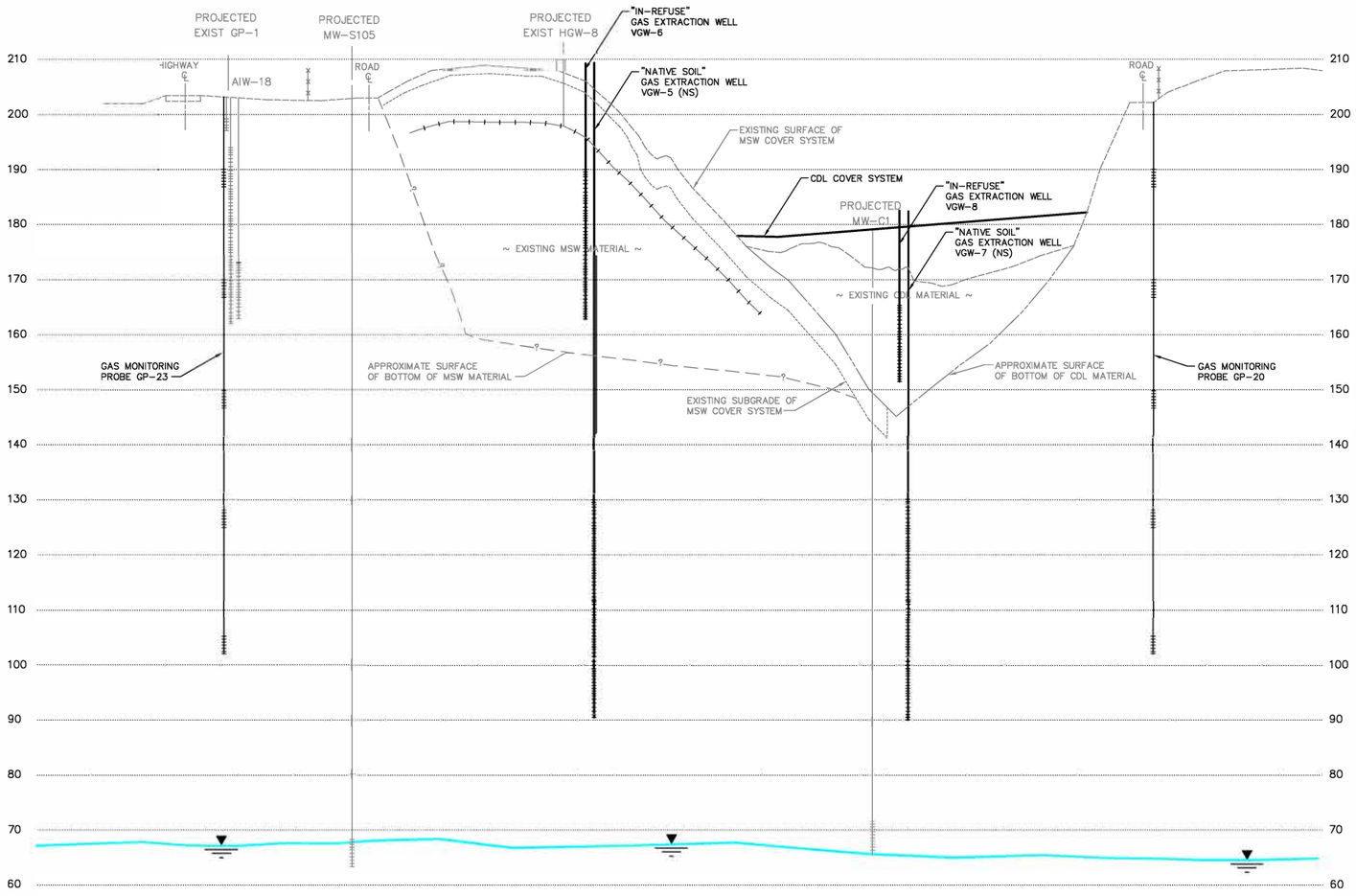
2024 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY T.A.M.	SOIL VAPOR EXTRACTION SYSTEM	DATE JANUARY 2025
SCALE AS SHOWN	CHK BY D.V.		FIGURE 9
CAD FILE Figure 9	APP BY G.H.		



VIEW LOOKING WEST



LEGEND

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

GRAPHIC SCALE:

0 100 200
HORIZ. SCALE IN FEET

0
20
40
VERT. SCALE IN FEET

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2024 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04224035.24	DES BY L.E.L.	CROSS SECTION THRU MSW AND CDL LANDFILLS SHOWING EXTRACTION SYSTEMS	DATE JA N UARY 2025
SCALE AS SHOWN	CHK BY D.V.		FIGURE 10
CAD FILE Figure 10	APP BY G.H.		

Figure 11. Water Removed from Stormwater Pump Station
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

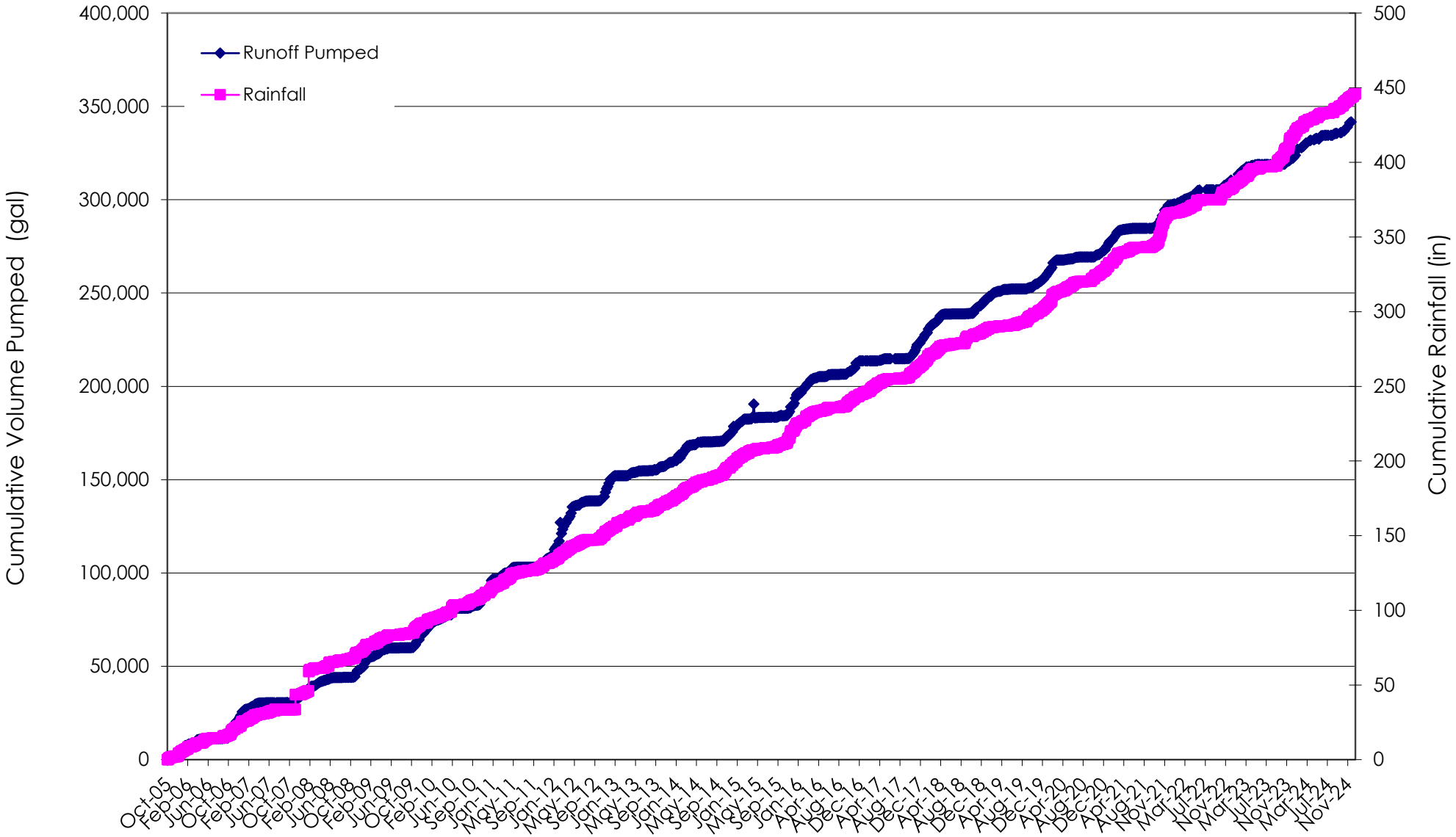
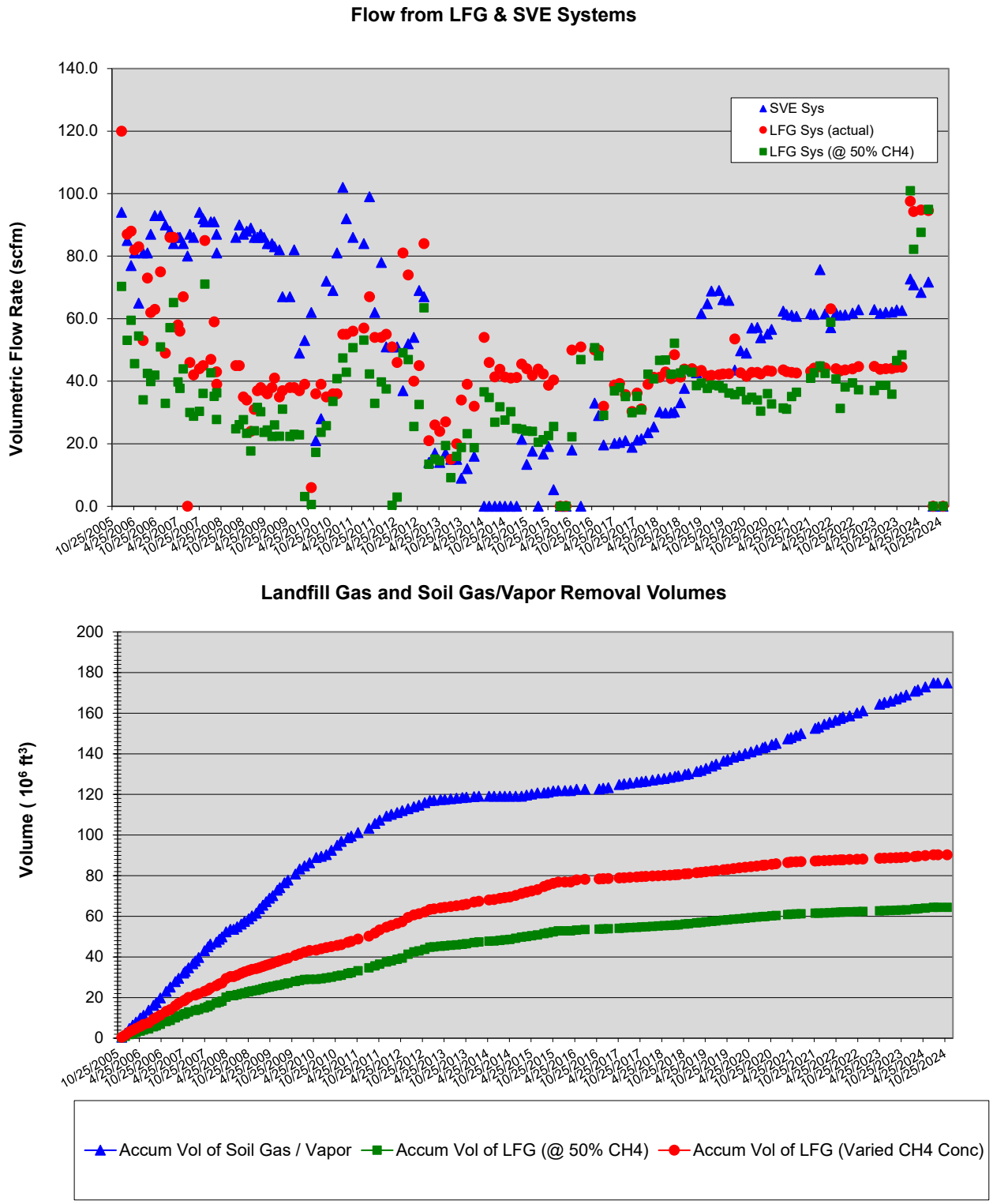


Figure 12. Flow Rates and Removal Volumes for LFG and SVE Systems
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington



Appendix A

2024 Field Documentation

March 26, 2024
File No. 04223020.04

Subject: **First Quarter 2024 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Date: March 5, 2024
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
3/5/2024	0324-01	E10D
3/5/2024	0324-02	E9D
3/5/2024	0324-03	E4D
3/5/2024	0324-04	E5D
3/5/2024	0324-05	E8D
3/5/2024	0324-06	E6D
3/5/2024	0324-07	E2D
3/5/2024	0324-08	N2D
3/5/2024	0324-09	N2D (Duplicate)
3/5/2024	0324-10	E7D
3/5/2024	0324-11	DNR
3/5/2024	0324-12	WR1

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: E10D
Sample ID: 0324-01
Date: 3/5/2024
Weather: Clear, 34°F

160.92 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow 250 mL/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
0908		8.6	946	8.78	6.48	256.0	4.00	
0913		9.8	1065	3.33	7.26	64.5	3.86	
0916		9.9	992	2.31	7.31	6.1	3.69	
0919		10.0	957	1.68	7.35	-50.7	3.40	
0922		10.0	956	1.53	7.36	-67.9	3.33	
0925		10.0	965	1.37	7.37	-85.0	3.28	
0928		10.0	980	1.27	7.38	-95.6	3.18	

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

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

SAMPLER: Alex Rose
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: E9D
Sample ID: 0324-02
Date: 3/5/2024
Weather: Clear, 34°F

159.63 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: (Dedicated) | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: CONTROL SETTINGS:
MP-20
(YST)

Refill: 9
Discharge: 11
Pressure: 105
Flow: 250 mL/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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.
1003		9.2	538	7.08	7.65	60.2	4.33	
1008		8.8	539	5.32	7.74	60.5	4.73	
1011		8.8	535	4.28	7.97	49.7	5.71	
1014		8.8	534	3.56	8.16	37.1	6.72	
1017		8.8	533	3.20	8.28	26.4	6.47	
1020		9.3	531	2.66	8.35	17.1	6.05	
1023		9.5	533	2.25	8.36	9.6	5.57	

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

SAMPLER: Alex Dosze
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: E4D
Sample ID: C324-03
Date: 3/5/2024
Weather: Clear, 35°F

15.28 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow 100 ml/min

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1109		10.0	608	7.94	7.24	81.1	5.79	
1114		10.6	588	2.83	7.43	36.1	4.75	
1117		10.8	557	2.11	7.70	-14.9	4.39	
1120		10.8	547	1.86	7.84	-41.1	4.00	
1123		10.7	545	1.72	7.92	-58.1	5.15	
1126		10.8	552	1.63	7.94	-70.2	6.09	
1129		10.8	558	1.53	7.94	-77.2	6.26	

Notes / Observations (color, odor, anomalies, etc):
VOC's only

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

SAMPLER: Alex Dessoe
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: ESD
Sample ID: 0324-04
Date: 3/5/2024
Weather: Clear

142.99 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 105
Flow ~1 Scim/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
0925		11.0	1349	7.68	7.04	185.7	4.9	
0930		10.8	1357	3.66	7.12	142.5	4.6	
0933		11.0	1304	2.23	7.18	24.7	3.8	
0936		11.1	1317	1.33	7.16	-47.6	3.6	
0939		11.1	1369	1.08	7.12	-64.0	3.3	
0942		11.1	1402	1.00	7.10	-67.2	3.1	
0945		11.1	1420	0.95	7.08	-69.3	3.0	

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

SAMPLER: Tovany Estrada
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: ESD
Sample ID: 0324-ESD
Date: 3/5/2024
Weather: Clear

146.55 DTW
____ TOS
____ Intake
____ BOS
____ Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow 100 mL/min
1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1100		9.4	564	6.90	7.46	6.5	4.4	
1105		9.9	563	1.43	7.50	-77.5	3.4	
1108		9.9	564	1.36	7.55	-83.4	3.3	
1111		10.0	574	1.01	7.61	-110.9	3.0	
1114		10.0	578	0.93	7.62	-117.8	3.0	
1117		10.0	581	0.85	7.63	-124.5	3.3	
1120		10.0	584	0.79	7.64	-125.9	3.1	

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

SAMPLER: Tevany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: EGD
Sample ID: 0324-06
Date: 3/5/2024
Weather: Sunny 35°F

145.86 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 (YSI)

CONTROL SETTINGS:

Refill	10
Discharge	10
Pressure	100
Flow	150 mL/min

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1154		14.0	744	2.57	7.64	8.4	6.46	
1159		14.0	776	1.58	7.57	-141.9	3.89	
1202 ~~1164~~		14.0	778	1.35	7.57	-154.5	3.40	
1205		14.0	778	1.27	7.57	-158.9	3.39	
1208		14.1	778	1.19	7.57	-162.1	3.34	
1211		14.0	772	1.15	7.57	-164.0	3.37	
1214		14.3	761	1.10	7.56	-163.9	3.21	

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

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

SAMPLER: Alex Deszo
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: E2D
Sample ID: 0324-07
Date: 3/5/2024
Weather: Sunny, 36° F

145.96 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 105
Flow 200 mL/min

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1247		11.1	1205	8.28	7.58	47.9	3.67	
1252		12.8	1411	5.41	7.01	74.8	3.46	
1255		12.7	1404	3.29	6.86	78.6	3.47	
1258		12.9	1380	2.74	6.81	78.0	13.78	
1301		12.9	1375	2.45	6.80	78.1	4.71	
1304		12.7	1383	2.36	6.79	80.1	4.40	
1307		12.5	1391	1.99	6.78	82.1	3.07	

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

VOC's only

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

SAMPLER: Alex Dasso
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: N2D
Sample ID: 0324-08
Date: 3/5/2024
Weather: Clear

14.06 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 90
Flow 250 ml/min

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1223		12.2	1186	8.06	7.40	51.7	2.7	
1228		12.7	1187	0.98	6.96	56.2	2.7	
1231		12.7	1192	0.75	6.95	56.7	2.7	
1234		12.7	1194	0.62	6.95	55.4	3.0	
1237		12.7	1195	0.58	6.95	55.5	2.5	
1240		12.7	1196	0.53	6.95	55.7	2.6	
1243		12.7	1196	0.49	6.95	54.1	2.7	

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

Dup taken @ 1300
0324-09

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: ETD
Sample ID: 0324-10
Date: 3/5/2024
Weather: Sunny/Partly Cloudy 36°F

143.71 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 10
Discharge 10
Pressure 100
Flow
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1413		11.8	187.8	3.40	7.20	-85.6	177	
1418		12.1	180.7	1.68	6.70	-70.3	141	
~~1421~~								
1555		12.2	176.6	1.82	7.17	-43.7	66.37	
~~1424~~								
1600		12.5	178.3	1.19	6.72	-56.8	51	
~~1427~~								
1603		12.5	179.1	1.05	6.65	-55.3	45	
~~1430~~								
1606		12.6	178.1	1.01	6.58	-52.1	45	
~~1433~~								
1609		13.3	179.1	0.83	6.56	-51.9	45	
1612		13.8	157.1	0.63	7.27	-96.1	65	
1615		13.8	174.8	0.62	7.40	-110.4	50	

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

Out of Gas @ 1421
Resume purge @ 1555
Tubing kinked/damaged, had to reset pump several times,

Air bubbles in H_2O coming up, started @ 1611

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

SAMPLER: Alex Desze
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04223020.04
Site: Island County CSWF
Well ID: 0324-11
Sample ID: DNR
Date: 3/5/2024
Weather: Clear

DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1020		7.4	729	3.76	7.79	-32.4	5.8	

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

SAMPLER: Jevany Estrada
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

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

Project #: 04223020.04
Site: Island County CSWF
Well ID: WR1
Sample ID: 0324 -12
Date: 3/5/2024
Weather:

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1330		6.6	893	6.03	7.44	105.5	3.4	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	3/5/24					
Time	0815					
Weather (sky or precip, temp)	Clear 33°F					
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	1331	3.99	7.04	8.26	—	
Post Cal Reading	1413	4.00	7.00	8.5	—	
Descrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWF BLDG 9					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	3/5/24					
Time	0840					
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, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1348	5.61	6.40	10.8		
Post Cal Reading	1413	4.0	7.0	8.5		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	maintenance office					

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

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04223020.04	**TASK NO.**	1,2,3	**DATE**	2-13-24	**PROJECT NAME**	Island County Landfill
TEMP	45	**BARO**	29.85	**WIND**	17 MPH NW	**WEATHER**	Partly Cloudy

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)	02 (%-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		2.7	9.50’	**SV**	2.9”	50% Open
Blower # 2		3.7		**LFG**	4.3”	50% Open

Propane Tank Level	Propane Line PSI					
70% Full	9					

SUMMARY 1300 SDG onsite to perform the Qtly Monitoring Event, Probes.

1315 Calibrating the Gem - 5000

1330 SDG monitoring the Gas Probes.

1547 Completed monitoring for the day.

1600 Post calibration of the Gem - 5000

1620 SDG offsite

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 2-13-24 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04223020.04

WEATHER OBSERVATIONS

Wind Speed: 17 MPH Wind Direction: NW Barometric Pressure: 29.85Hg

Air Temperature: 45 F General Weather Conditions: Partly Cloudy

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
13:15	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
16:00	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04223020.04	**TASK NO.**	1,2,3	**DATE**	2-14-24	**PROJECT NAME**	Island County Landfill
TEMP	48	**BARO**	29.73	**WIND**	7 MPH NE	**WEATHER**	Overcast

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)	02 (%-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	75073	2.7	9.50’	**SV**	2.9”	50% Open
Blower # 2	11990	3.7		**LFG**	4.3”	50% Open

Propane Tank Level	Propane Line PSI
70% Full	9

SUMMARY 0745 SDG onsite to perform the Qtly Monitoring Event

0800 SDG calibrating the Gem 5000

0826 SDG monitoring the Gas Probes

1032 SDG completed the monitoring the probes.

1044 SDG monitoring the Extraction Wells, Replacing damaged sample ports.

1153 SDG completed monitoring.

1200 Post calibration of the Gem – 5000.

1240 SDG offsite

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 2-14-24 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04223020.04

WEATHER OBSERVATIONS

Wind Speed: 7 MPH Wind Direction: NE Barometric Pressure: 29.73 Hg

Air Temperature: 43 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
08:00	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
12:00	50.0%	35.0%	20.9%

NOTES:

May 25, 2024
File No. 04224034.24

Subject: **Second Quarter 2024 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Dates: May 21 – 23, 2024
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
5/23/2024	0524-01	D0T
5/21/2024	0524-02	E3D
5/21/2024	0524-03	E5D
5/22/2024	0524-04	E6D
5/22/2024	0524-05	E7D
5/21/2024	0524-06	E8D
5/21/2024	0524-07	E4S
5/21/2024	0524-08	E4D
5/23/2024	0524-09	NE1S
5/23/2024	0524-10	NE1D
5/21/2024	0524-11	N5D
5/23/2024	0524-12	S11D
5/23/2024	0524-13	S11S
5/22/2024	0524-14	S10S
5/23/2024	0524-15	DNR
5/21/2024	0524-16	N1D
5/21/2024	0524-17	N2D
5/21/2024	0524-18	N2S
5/21/2024	0524-19	N3D
5/21/2024	0524-20	N3S
5/22/2024	0524-21	E2D

5/22/2024	0524-22	E2S
5/23/2024	0524-23	E1D
5/23/2024	0524-24	E1S
5/23/2024	0524-25	WR1
5/21/2024	0524-26	E9D
5/21/2024	0524-27	E10D
5/21/2024	0524-28	N2D (Duplicate)
5/21/2024	0524-29	N3D (Duplicate)

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: DCT
Sample ID: 0524-01
Date: 5/23/24
Weather: Cloudy

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

Meter: MP-20 (YSI)

CONTROL SETTINGS:

DTW
TOS
Intake
BOS
Total Depth

Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1000		10.9	697	2.54	6.79	132.5	2.0	

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

meter reading 327470

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: E3D
Sample ID: 0524-02
Date: 5/21/24
Weather: Rainy

148.88 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 11 One Well Volume (liters) Other:
Discharge 9 Flow Setting:
Pressure 100 Total Volume Bailed (liters)
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.
1342		11.8	688	9.13	8.12	56.0	3.7	
1347		11.2	699	9.11	7.90	73.8	2.8	
1350		11.0	707	7.96	7.74	81.9	3.0	
1353		11.0	708	5.88	7.65	84.2	3.0	
1356		11.0	707	4.11	7.65	83.6	2.9	
1359		10.9	707	2.44	7.73	79.7	2.8	
1402		10.9	706	1.72	7.77	74.6	2.8	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: ESD
Sample ID: 0524-03
Date: 5/21/24
Weather: Rainy

142.84 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: (Dedicated) | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 (YSI)
CONTROL SETTINGS:
1 ft water = 0.62L
1L = 0.26 gallons

Refill: 9
Discharge: 11
Pressure: 105
Flow: 125 mL/min
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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.
1237		11.7	1255	8.54	7.25	96.6	6.2	
1242		11.5	1370	2.41	7.25	-21.4	3.3	
1245		11.5	1388	1.50	7.23	-68.1	3.1	
1248		11.5	1411	1.28	7.22	-77.8	3.0	
1251		11.5	1437	1.14	7.20	-83.6	3.0	
1254		11.5	1466	1.03	7.18	-87.2	3.0	
1257		11.5	1487	8.6	7.17	-89.3	3.0	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: EB D
Sample ID: 0524-04
Date: 5/22/24
Weather: Cloudy / overcast

145.77 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow 150

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1057		14.5	726	2.76	7.49	-84.0	3.74	
1102		14.7	771	1.64	7.45	-155.9	2.43	
1105		14.7	775	1.43	7.46	-165.1	2.20	
1108		14.7	775	1.29	7.47	-171.3	2.18	
1111		14.7	775	1.22	7.48	-174.7	2.18	
1114		14.7	774	1.17	7.49	-176.9	2.09	
1117		14.8	770	1.12	7.49	-177.8	2.12	

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

SAMPLER: Alex D
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: E7D
Sample ID: 0524-05
Date: 5/22/24
Weather: Cloudy

143.66 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow ~50

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
0941		13.7	247	2.70	6.53	-45.3	13.19	
0946		14.0	242	1.73	6.76	-89.0	11.07	
0949		14.0	240	1.51	6.73	-102.1	16.55	
~~0952~~	1004	14.4	213	0.64	7.94	-265	—	
~~0955~~	1007	14.4	220	0.63	7.97	-274.7	—	
~~0958~~	1010	14.4	205	0.63	7.98	-282	—	
~~1001~~	1013	14.4	208	0.63	7.99	-286	—	

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

No service, can't call Jenny/Don

Pump deployed @ 161'

Turbidity bouncing everywhere due to bubbles.

Playing w/ PUMP. lots of air coming up, very little water. Tried changing pump cycle timing, PSI, Pump depth up & down

* Not Field Filtered *

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

SAMPLER: [signature] Printed Name

[signature] Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: ESD
Sample ID: 0524-06
Date: 5/21/24
Weather: Rainy

146.57 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 60
Flow 100 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1505		10.6	540	9.39	8.22	82.9	4.5	
1510		10.6	562	3.82	7.58	90.4	4.8	
1513		10.6	561	2.13	7.59	9.0	4.2	
1516		10.6	563	1.45	7.65	-85.1	3.9	
1519		10.6	566	1.20	7.66	-106.8	3.8	
1522		10.6	570	1.04	7.68	-120.6	3.7	
1525		10.7	572	0.94	7.68	-126.9	3.4	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: MW-E4S
Sample ID: 0524-07
Date: 5/21/24
Weather: Clear Rainy

DTW: 121.42
TOS:
Intake:
BOS:
Total Depth:

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill: 12
Discharge: 8
Pressure: 80
Flow: 200ml/min
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

Filtered? (Y) N
Locked? (Y) N
Water in Protector? Y (N)
Damage? Y (N)

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0935		10.6	790	81.9	7.24	153.7	3.8	
0940		10.6	1070	4.4	6.94	158.8	4.5	
0943		10.6	1095	3.7	6.96	156.6	4.3	
0946		10.6	1114	3.06	6.99	152.2	3.8	
0949		10.6	1126	2.67	7.01	148.3	3.9	
0952		10.6	1136	2.47	7.06	97.5	5.1	
0955		10.6	1150	2.25	7.03	109.7	6.8	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County - CSWF
Well ID: E4D
Sample ID: 0524-08
Date: 5/21/24
Weather: Rainy



151.36 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 9
Discharge 11
Pressure 105
Flow 125 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1030		10.4	557	9.02	7.24	140.0	5.3	
1035		10.4	563	8.58	7.04	145.3	5.1	
1038		10.5	2	8.60	7.14	107.9	382.1	
1041		10.5	2	9.34	7.21	123.4	225.0	
1044								
1047								
1050								
1105		10.3	551	9.05	7.20	139.5	5.5	
1108		10.2	556	8.85	7.11	141.3	6.5	
1111		10.4	561	7.48	7.17	138.3	7.4	
1114		10.7	548	4.89	7.43	75.4	4.9	
1117		10.6	532	2.97	7.67	30.4	4.2	
1120		10.6	524	2.33	7.77	15.1	4.0	

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

SPC sharply dropped at 1038
other readings seem
reliable
Ran out of gas @ 1038
SPC dropped due to no flow

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: NE15'
Sample ID: 0524-09
Date: 5/22/24
Weather: Cloudy

143.86 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 10
Discharge 10
Pressure 95
Flow 100ml/min

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

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.
1028		12.6	539	8.11	6.59	157.4	4.0	
1033		13.0	807	6.47	6.95	156.0	3.6	
1037		12.9	827	5.98	6.95	152.4	3.5	
1039		13.0	841	5.76	6.96	147.3	3.6	
1042		12.9	847	5.69	6.98	144.3	3.7	
1045		12.9	850	5.66	6.99	143.5	3.6	
1048		12.8	854	5.61	7.01	142.3	3.6	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: NEID
Sample ID: 0524-10
Date: 5/22/24
Weather: Cloudy

155.98 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 10 One Well Volume (liters) Other:
Discharge 10 Flow Setting:
Pressure 100 Total Volume Bailed (liters)
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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1123		14.3	602	7.33	7.19	119.3	4.1	
1128		13.5	630	4.05	7.20	118.5	3.6	
1131		13.2	621	2.53	7.31	115.2	5.2	
1134		13.1	614	1.97	7.35	112.0	4.2	
1137		13.2	608	1.65	7.37	102.5	5.8	
1140		13.2	607	1.48	7.39	103.7	3.9	
1143		13.3	606	1.38	7.39	99.7	4.1	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: N5D
Sample ID: 0524-11
Date: 5/21/24
Weather: Cloudy Rain

137.44 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 15
Discharge 15
Pressure 10S
Flow 100

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1108		10.8	965	9.96	7.88	109.7	2.42	
1113		10.8	1210	5.06	7.30	126.2	2.34	
1116		10.9	1264	3.25	7.24	124.2	2.27	
1119		10.9	1281	2.35	7.23	120.6	2.26	
1122		10.9	1284	2.00	7.23	116.8	2.26	
1125		10.9	1285	1.79	7.23	112.5	2.24	
1128		10.9	1285	1.65	7.24	109.2	2.23	

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

SAMPLER: Alex Desizo
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: SIID
Sample ID: 0524-12
Date: 5/23/24
Weather: Cloudy



144.51 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 11
Discharge 9
Pressure 95
Flow 300 ml/min

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

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.
1130		10.1	738	8.66	8.07	-2.7	6.9	
1135		10.1	857	4.43	7.11	10.1	16.8	
1138		10.2	842	2.26	7.22	0.1	10.8	
1141		10.2	841	1.71	7.39	-11.9	7.1	
1144		10.2	844	1.32	7.52	-31.0	6.2	
1147		10.1	847	1.09	7.59	-51.5	6.5	
1150		10.1	849	0.98	7.62	-63.8	6.5	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: S11S
Sample ID: 0524-13
Date: 5/23/24
Weather: Cloudy

13367 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 11
Discharge 9
Pressure 75
Flow 300ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1047		10.2	793	8.49	7.77	-3.1	4.7	
1052		10.1	845	1.78	7.45	-29.0	5.1	
1055		10.1	848	0.76	7.58	-44.6	4.5	
1058		10.1	850	0.57	7.59	-59.6	4.0	
1101		10.1	850	0.55	7.60	-61.6	4.1	
1104		10.1	850	0.48	7.60	-71.1	3.8	
1107		10.1	849	0.46	7.60	-74.3	3.7	

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

needs new lock

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: S105
Sample ID: 0524-14
Date: 5/22/24
Weather: Cloudy

134.81 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 9.5
Discharge 5.5
Pressure 80
Flow 200 ml/min

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

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.
1425		17.5	746	7.41	7.83	43.2	7.1	
1430		14.7	1120	4.38	6.78	76.7	6.1	
1433		14.6	1121	3.71	6.78	79.0	8.5	
1436		14.5	1122	3.43	6.79	82.2	13.6	
1439		14.3	1122	3.31	6.79	84.4	16.0	
1442		14.2	1123	3.15	6.79	88.4	21.4	
1445		14.2	1123	3.07	6.80	91.2	23.0	

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

SAMPLER: Jovany Estracia
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: DNR
Sample ID: 0524-15
Date: 5/23/24
Weather: Cloudy

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1210		12.7	782	2.15	7.42	20.4	2.2	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: NID
Sample ID: 0524-16
Date: 5/21/24
Weather: Cloudy Rain

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill: 8
Discharge: 7
Pressure: 85
Flow: 300

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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.
1543		11.6	1247	9.96	7.81	169.9	3.33	
1548		12.0	1337	7.31	7.39	185.7	2.52	
1551		12.0	1340	4.15	7.20	180.9	2.50	
1554		12.0	1340	2.21	7.20	40.4	2.36	
1557		11.9	1340	1.72	7.21	-24.7	2.41	
1600		11.9	1340	1.47	7.21	-46.7	2.33	
1603		11.9	1340	1.38	7.22	-54.8	2.35	

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

SAMPLER: Alex Dezzo
Printed Name

AD
Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: N2D
Sample ID: 0524-17
Date: 5/21/24
Weather: Cloudy Rain

145.68 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 85
Flow 300

1 ft water = 0.62L
1L = 0.26 gallons

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

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):

Dup @ 1524 : 0524-28

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1444		13.7	1124	8.92	7.54	162.2	2.61	
1449		13.4	1117	1.76	7.03	171.2	2.70	
1452		13.4	1118	1.39	7.01	169.0	2.67	
1455		13.3	1121	1.25	7.00	166.6	2.53	
1458		13.4	1122	1.16	7.00	164.3	2.53	
1501		13.3	1122	1.10	7.00	162.1	2.50	
1504		13.3	1122	1.06	7.00	159.7	2.40	

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

SAMPLER: Alex Desizo
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: N25
Sample ID: 0524-18
Date: 5/21/24
Weather: Cloudy Rain

134.30 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 5
Pressure 90
Flow 200

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

Filtered? (Y) N
Locked? (Y)
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.
1351		13.5	1060	7.84	7.08	175.5	13.05	
1356		13.4	1178	4.87	6.96	180.7	4.12	
1359		13.3	1187	4.55	6.95	181.6	4.32	
1402		13.3	1194	4.27	6.95	182.9	4.29	
1405		13.3	1196	4.20	6.95	183.8	4.32	
1409		13.3	1199	4.12	6.95	185.2	4.35	
1411		13.3	1203	4.06	6.95	186.7	4.20	

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

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

SAMPLER: Alex Deszo
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: N30
Sample ID: 0524-19
Date: 5/21/24
Weather: Cloudy Rain

147.76 DTW
TOS
Intake
BOS
Total Depth

Sampling Method : Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 8
Discharge 7
Pressure 80
Flow 300

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
Flow Setting :

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.
1241		13.3	636	8.75	7.25	93.9	2.72	
1246		13.4	629	6.83	6.62	146.4	2.98	
1249		13.1	627	5.41	6.76	155.3	2.95	
1252		12.9	644	3.06	7.12	151.9	2.72	
1255		12.8	651	2.29	7.34	146.9	3.28	
1258		12.8	647	1.90	7.44	142.2	3.54	
1301		12.7	642	1.67	7.52	130.0	3.59	

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

DUP @ 1321 : 0524-29

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

SAMPLER: Alex Dezzo
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: N35
Sample ID: GS24 -20
Date: 5/21/24
Weather: Cloudy Rain



138.40 DTW
TOS
Intake
BOS
Total Depth

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

Meter: (YSI)
MP-20

CONTROL SETTINGS:
Refill 10
Discharge 5
Pressure 80
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1205		12.9	973	6.41	7.17	151.6	5.48	
1210		12.7	984	6.22	7.13	153.5	6.49	
1213		12.7	974	6.49	7.13	155.4	6.92	
1216		12.7	964	6.54	7.12	157.8	8.49	
1219		12.7	961	6.54	7.12	160.1	9.34	
1222		12.7	959	6.57	7.12	163.0	12.85	
1225		12.7	958	6.62	7.13	165.7	15.00	

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

SAMPLER: Alex Dosch
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: E2D
Sample ID: 0524-21
Date: 5/22/24
Weather: Overcast

14.87 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 105
Flow

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1224		12.9	1344	8.08	7.23	29.9	2.40	
1229		13.0	1376	3.44	6.75	44.4	2.25	
1232		13.0	1339	2.25	6.69	44.4	2.33	
1235		13.0	1351	2.00	6.68	44.9	3.20	
1238		13.0	1363	1.81	6.68	45.0	7.15	
1241		13.1	1369	1.59	6.67	44.5	6.41	
1244		13.1	1371	1.50	6.67	43.8	6.82	

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

SAMPLER: Alex Dess
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: E25
Sample ID: 0524-22
Date: 5/22/24
Weather: Overcast

136.49 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 90
Flow

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1149		13.6	1119	4.05	6.87	-0.1	3.69	
1154		13.0	1073	1.18	6.80	4.3	2.60	
1157		13.0	1071	1.15	6.79	6.4	2.62	
1200		13.0	1066	1.15	6.78	8.4	2.32	
1203		13.0	1066	1.09	6.78	10.1	2.42	
1206		13.0	1066	0.96	6.78	11.1	2.32	
1209		13.0	1065	0.89	6.78	12.3	2.36	

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

SAMPLER: Alex Jones
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: EID
Sample ID: 0524-23
Date: 5/23/24
Weather: Cloudy

137.46 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 8 One Well Volume (liters) Other:
Discharge 7 Flow Setting:
Pressure 95 Total Volume Bailed (liters)
Flow 250 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.
1331		12.1	1354	8.14	7.58	69.9	19.2	
1335		11.7	1698	1.55	7.06	62.8	31.2	
1338		11.7	1698	0.73	7.03	48.7	50.5	
1341		11.7	1698	0.58	7.03	42.7	105.9	
1344		11.5	1691	0.47	7.03	35.1	108.7	
1347		11.5	1671	0.43	7.04	29.1	182.9	
1350		11.5	1670	0.41	7.04	24.5	190.2	

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

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County - CSWF
Well ID: EIS
Sample ID: 0524-24
Date: 5/23/24
Weather: Cloudy

137.01 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 12.5
Discharge 7.5
Pressure 80
Flow 300 ml/min

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

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.
1406		12.1	1131	7.91	7.65	53.7	301.2	
1411		11.5	1173	6.43	7.02	69.4	11.9	
1414		11.4	1167	6.36	7.01	70.3	9.4	
1417		11.4	1167	6.32	7.01	72.6	8.2	
1420		11.4	1168	6.31	7.01	74.2	4.3	
1423		11.4	1168	~~7.01~~ 6.30	7.01	76.2	16.1	
1426		11.4	1170	6.28	7.00	77.6	3.5	

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

Nitrate only

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County - CSWF
Well ID: WR1
Sample ID: DS24-25
Date: 5/23/24
Weather: Cloudy

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1245		11.3	820	3.17	7.27	44.6	1.2	

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

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County - CSWF
Well ID: EPD
Sample ID: 0524-26
Date: 5/21/24
Weather: Cloudy Rain

159.98 DTW
TOS
Intake
BOS
Total Depth

Sampling Method : Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 9
Discharge 11
Pressure 105
Flow 180

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
Flow Setting :

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.
1009		10.8	514	9.46	7.79	84.3	2.97	
1014		10.8	507	4.41	7.87	81.3	4.00	
1017		10.8	508	2.96	8.14	41.2	5.38	
1020		10.8	507	2.32	8.20	13.8	4.13	
1023		10.8	506	1.96	8.20	-10.0	3.74	
1026		10.8	506	1.71	8.17	-32.3	3.39	
1029		10.8	506	1.60	8.14	-49.8	3.33	

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

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

SAMPLER: Alex Diaz
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County - CSWF
Well ID: EIOD
Sample ID: 0524 - 27
Date: 5/21/24
Weather: Cloudy / Rain

161.13 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow 150

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
0919		10.9	982	9.62	7.15	244.1	4.55	
0924		10.7	972	3.27	7.29	-20.1	3.59	
0927		10.7	905	2.25	7.33	-73.9	3.33	
0930		10.7	893	1.78	7.35	-96.5	3.15	
0933		10.7	898	1.59	7.37	-106.5	3.06	
0936		10.7	915	1.42	7.39	-116.0	2.81	
0939		10.7	933	1.36	7.40	-120.7	2.67	

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

SAMPLER: Alia Degner
Printed Name

Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	5/21/24					
Time	0915					
Weather (sky or precip, temp)	Rainy					
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	1328	3.91	7.04	9.99		
Post Cal Reading	1413	4.0	7.00	8.50		
Descrepancy	No					
Calib. Successful?	YES					
Calibration by	Jovany Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	MW-EYS					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	5/22/24					
Time	0845					
Weather (sky or precip, temp)	Rainy					
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	1437	4.30	7.11	9.4		
Post Cal Reading	1413	4.0	7.0			
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	Jovany Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	office					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	5/23/24					
Time	0930					
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	1426	3.97	6.95	8.37		
Post Cal Reading	1413	4.00	7.00	8.50		
Descrepancy	Nc					
Calib. Successful?	YES					
Calibration by	Jovani Estrada					
Instrument Type, ID	(YSI Pro DDS) / YSI 556 / (Rental)				(YSI Pro DDS) / HACH2000	
Calibration Location	NYS					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	5/21/24					
Time	0845					
Weather (sky or precip, temp)	Cloudy, Rain 50° F					
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	1465	3.95	7.00	7.64	✓	
Post Cal Reading	1413	4.00	7.00	8.5	✓	
Descrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWF Bldg 9					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	5/22/24					
Time	0846					
Weather (sky or precip, temp)	Cloudy Rain					
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	1348	4.13	7.13	9.43		
Post Cal Reading	1413	4.00	7.00	8.5		
Descrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AMP					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWF Bldg 9					

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

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04224035.24	**TASK NO.**	1,2,3	**DATE**	5-14-24	**PROJECT NAME**	Island County Landfill
TEMP	59	**BARO**	30.14	**WIND**	6 MPH NW	**WEATHER**	Clear

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)	02 (%-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	75157	2.5	9.50’	**SV**	2.7”	50% Open
Blower # 2	12520	3.5		**LFG**	4.3”	50% Open

Propane Tank Level	Propane Line PSI
70% Full	9

SUMMARY

0745 SDG onsite to perform the Qtly Monitoring Event

0800 SDG calibrating the Gem - 5000

0828 SDG monitoring the Probes

1109 SDG monitoring the Extraction wells

1237 SDG completed monitoring for the day.

1300 Post Calibration of the Gem - 5000

1320 SDG offsite

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 5-14-24 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04224035.24

WEATHER OBSERVATIONS

Wind Speed: 6 MPH Wind Direction: NW Barometric Pressure: 29.98 Hg

Air Temperature: 59 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
08:00	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

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

NOTES:

August 8, 2024
File No. 04224035.24

Subject: **Third Quarter 2024 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Date: August 6 & 7, 2024
Field Staff: 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.
- A new pump was installed at monitoring well E7D.

Sample Date	Sample Number	Well ID
8/7/2024	0824-01	E10D
8/7/2024	0824-02	E9D
8/7/2024	0824-03	E4D
8/7/2024	0824-04	E5D
8/7/2024	0824-05	E8D
8/6/2024	0824-06	E6D
8/6/2024	0824-07	E2D
8/6/2024	0824-08	N2D
8/6/2024	0824-09	N2D (Duplicate)
8/6/2024	0824-10	E7D
8/7/2024	0824-11	DNR
8/7/2024	0824-12	WR1

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: Island County
Well ID: E10D
Sample ID: 0824-01
Date: 8/7/24
Weather: Cloudy

161.25 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 105
Flow 105 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
0925		12.4	973	9.11	6.97	240.9	4.5	
0930		11.0	1060	4.18	7.33	17.4	4.2	
0933		11.0	929	1.90	7.44	-94.4	3.5	
0936		11.0	917	1.60	7.46	-109.4	3.2	
0939		11.0	942	1.34	7.50	-127.6	3.1	
0942		11.0	954	1.29	7.51	-131.1	3.0	
0945		11.0	1001	1.18	7.53	-139.9	3.0	

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

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County
Well ID: E9D
Sample ID: 0824-02
Date: 8/7/24
Weather: Cloudy



160.01 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: (Dedicated) | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: (YSI) MP-20

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill: 9
Discharge: 11
Pressure: 105
Flow: 150 ml/min

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

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.
1021		12.5	539	8.96 5.63	8.11	73.0	3.3	
1026		11.4	524	~~7.86~~	7.87	81.8	3.0	
1029		11.3	521	2.92	8.44	38.3	3.8	
1032		11.3	522	2.13	8.50	12.2	3.6	
1035		11.3	522	1.81	8.46	-3.7	3.5	
1038		11.3	522	1.65	8.41	-15.2	3.6	
1041		11.3	522	1.45	8.33	-34.2	3.5	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County
Well ID: E4D
Sample ID: 0824-03
Date: 8/7/24
Weather: Partly Cloudy

151.41 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: (1 ft water = 0.62L; 1L = 0.26 gallons)
Refill: 10
Discharge: 10
Pressure: 100
Flow: 100 ml/min
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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):
VOC only

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1136		14.6	605	8.81	7.65	113.5	3.7	
1141		12.7	610	6.74	7.28	108.6	4.4	
1144		12.6	600	4.80	7.43	47.3	3.6	
1147		12.5	581	3.36	7.62	7.2	3.2	
1150		12.5	556	2.52	7.82	-24.1	2.9	
1153		12.5	543	2.16	7.94	-40.2	2.7	
1156		12.4	534	1.90	8.06	-55.9	3.4	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County
Well ID: ESD
Sample ID: 0824-04
Date: 8/7/24
Weather: Clear

142.96 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 105
Flow 150 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1228		16.4	1291	6.07	7.41	69.0	6.9	
1233		14.1	1460	4.60	7.36	67.3	4.2	
1236		14.0	1358	2.67	7.42	-61.3	3.6	
1239		13.9	1300	2.01	7.45	-105.6	3.2	
1242		13.8	1300	1.72	7.44	-117.4	3.1	
1245		13.9	1319	1.55	7.41	-123.4	3.0	
1248		13.8	1353	1.43	7.38	-126.1	3.0	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 01224035.21
Site: Island County
Well ID: EBD
Sample ID: 0824-05
Date: 8/7/24
Weather: Clear

DTW: 146.74
TOS:
Intake:
BOS:
Total Depth:

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20
YSI

CONTROL SETTINGS:
Refill: 10
Discharge: 10
Pressure: 100
Flow: 100 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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.
1337		16.6	600	8.88	8.41	78.5	3.5	
1342		12.5	591	4.94	7.78	101.5	4.5	
1345		12.3	585	2.70	7.71	8.9	4.5	
1348		12.2	584	2.15	7.71	-91.5	3.7	
1351		12.1	584	1.70	7.74	-129.5	3.7	
1354		12.1	586	1.51	7.77	-145.5	3.4	
1357		12.0	590	1.38	7.79	-155.0	3.3	

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

DOT meter
034360

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: D1224035-24
Site: Island County
Well ID: E6D
Sample ID: 0824-06
Date: 8/6/24
Weather: Cloudy



145.90 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:

Refill 9
Discharge 11
Pressure 100
Flow 100 ml/min

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1102		17.8	767	7.06	7.92	122.5	7.2	
1107		16.3	751	2.66	7.54	-151.9	4.1	
1110		16.1	756	2.15	7.53	-170.6	3.5	
1113		16.1	758	1.89	7.52	-176.2	3.4	
1116		16.0	768	1.70	7.51	-179.8	3.3	
1119		16.0	758	1.61	7.51	-181.6	3.2	
1122		16.0	757	1.55	7.51	-182.0	4.3	

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

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County
Well ID: E2D
Sample ID: 0824-07
Date: 8/6/24
Weather: Cloudy



146.05 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 9
Discharge 11
Pressure 100
Flow 100 ml/min
1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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):

VOC only

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1237		17.8	1257	9.40	7.40	120.6	3.9	
1242		13.9	1336	3.55	6.76	56.5	3.0	
1245		13.8	1338	3.36	6.75	52.9	2.9	
1248		13.8	1335	3.29	6.74	50.0	2.9	
1251		13.9	1307	2.62	6.71	57.7	2.8	
1254		13.9	1308	2.41	6.72	66.1	3.0	
1257		13.9	1315	2.23	6.72	71.6	3.1	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.04
Site: Island County
Well ID: N2D
Sample ID: 0824-08
Date: 8/6/24
Weather: Cloudy

145.87 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 (YSI)
CONTROL SETTINGS: 1 ft water = 0.62L; 1L = 0.26 gallons

Refill: 12
Discharge: 8
Pressure: 90
Flow: 250 ml/min
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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.
1413		17.0	1177	9.54	7.61	105.4	4.5	
1418		13.9	1136	1.83	7.06	124.0	3.1	
1421		13.8	1138	1.35	7.02	120.2	3.1	
1424		13.8	1140	1.23	7.01	117.1	3.1	
1427		13.7	1141	1.16	7.00	113.8	2.9	
1430		13.7	1141	1.11	6.99	110.1	2.9	
1433		13.7	1141	1.07	6.99	107.7	3.9	

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

Dup taken @ 1445
0824-09

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224055.24
Site: Island County
Well ID: MW-E7D
Sample ID: 0824-1D
Date: 8/6/24
Weather: Cloudy

143.84 DTW
TOS
Intake
BOS
Total Depth

Sampling Method : Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 9
Discharge 11
Pressure 100
Flow 400 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
Flow Setting :

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.
1003		16.7	244.8	4.02	6.61	25.5	8.0	
1008		15.0	1796	1.27	6.36	-18.5	8.3	
1011		15.0	1821	1.10	6.50	-5.7	8.7	
1014		14.9	1820	1.06	6.53	1.6	9.2	
1017		14.9	1820	1.02	6.56	10.2	9.9	
1020		14.9	1819	0.99	6.57	10.8	11.0	
1023		14.8	1818	0.97	6.57	23.5	11.1	
1026		14.8	1817	0.95	6.57	28.5	12.0	
1029		14.8	1817	0.93	6.57	33.2	13.3	
1032		14.8	1816	0.91	6.57	35.7	14.7	

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

Installed new pump
Started pump @ 1000
water surfaced @ 1002

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County
Well ID: DNR
Sample ID: 0824-11
Date: 8/7/24
Weather: clear



DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1545		16.6	912	4.95	8.15	9.4	3.7	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: Island County
Well ID: WR1
Sample ID: 0824-12
Date: 8/7/24
Weather: Clear



DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1600		16.6	880	4.51	7.54	92.7	0.7	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	8/6/24					
Time	0845					
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	1503	3.90	7.04	8.43		
Post Cal Reading	1413	4.00	7.00	8.50		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	J. Estrada					
Instrument Type, ID	(YSI Pro DDS) / YSI 556 / Rental				(YSI Pro DDS) / HACH2000	
Calibration Location	Maintenance Shop					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	8/7/24					
Time	0904					
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	1395	4.12	6.97	9.91		
Post Cal Reading	1413	4.00	7.00	8.50		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	Jovany Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	Elob					

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

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04224035.24	TASK NO.	1,2,3	DATE	7-15-24	PROJECT NAME	Island County Landfill
TEMP	61	BARO	29.96	WIND	4 MPH SW	WEATHER	Overcast

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)	02 (%-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	75212	2.5	9.50’	SV	2.7”	50% Open
Blower # 2	12892	3.5		LFG	4.3”	50% Open

Propane Tank Level	Propane Line PSI	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
70% Full	9	2.7	9.50’	SV	2.9”	50% Open
		3.7		LFG	4.3”	50% Open

SUMMARY	0645 SDG onsite to perform the Monthly Monitoring Event
0700 SDG calibrating the Gem - 5000	
0733 SDG monitoring the Probes	
0819 SDG completed the Probes	
0827 SDG making Well Adjustments	
0940 Post Calibration of the Gem - 5000	
1000 SDG offsite	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 7-15-24 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04224035.24

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: S W Barometric Pressure: 29.91 Hg

Air Temperature: 61 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
07:00	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
09:40	50.0%	35.0%	20.9%

NOTES:

October 22, 2024
File No. 04224035.24

Subject: **Fourth Quarter 2024 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Date: October 8-10, 2024
Field Staff: Jovany Estrada & Alex Deszo

- This was a quarterly monitoring event.
- Duplicate samples were collected from monitoring wells N2D and N3D.
- The YSI Multiparameter meters were calibrated daily prior to sampling.
- Monitoring wells E1S was sampled for nitrate only.
- Some sample IDs have been changed for consistency. See FSDS.
- Code for Maintenance office: 3051

Sample Date	Sample Number	Well ID
10/8/2024	1024-01	DOT
10/8/2024	1024-02	E3D
10/8/2024	1024-03	E5D
10/9/2024	1024-04	E6D
10/9/2024	1024-05	E7D
10/8/2024	1024-06	E8D
10/8/2024	1024-07	E4S
10/8/2024	1024-08	E4D
10/9/2024	1024-09	NE1S
10/9/2024	1024-10	NE1D
10/8/2024	1024-11	N5D
10/10/2024	1024-12	S11D
10/9/2024	1024-13	S11S
10/10/2024	1024-14	S10S
10/9/2024	1024-15	DNR
10/8/2024	1024-16	N1D
10/8/2024	1024-17	N2D
10/8/2024	1024-18	N2S
10/9/2024	1024-19	N3D
10/9/2024	1024-20	N3S

10/9/2024	1024-21	E2D
10/9/2024	1024-22	E2S
10/9/2024	1024-23	E1D
10/9/2024	1024-24	E1S
10/9/2024	1024-25	WR1
10/8/2024	1024-26	E9D
10/8/2024	1024-27	E10D
10/8/2024	1024-28	N2D (Duplicate)
10/9/2024	1024-29	N3D (Duplicate)

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: DOT
Sample ID: 1024-01
Date: 10/15/24
Weather: Cloudy



DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1525		13.9	662	7.25	7.57	45.8	4.3	

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

SAMPLER: Tevany Estrada
Printed Name

Signature

SCS ENGINEERS
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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E3D
Sample ID: 1024-02
Date: 10/8/24
Weather: Cloudy



148.66 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 11
Discharge 9
Pressure 100
Flow 300 ml/min
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1218		12.4	732	9.29	7.94	61.3	4.5	
1223		11.4	745	9.40	7.75	65.9	3.6	
1226		11.2	745	8.66	7.63	72.8	3.3	
1229		11.1	744	6.74	7.54	80.1	3.3	
1232		11.1	743	4.60	7.54	83.4	3.4	
1235		11.0	743	2.96	7.61	85.7	3.3	
1238		11.0	741	2.25	7.64	87.8	3.3	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: ESD
Sample ID: 1024-C3
Date: 10/8/24
Weather: Cloudy

142.94 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill: 9
Discharge: 11
Pressure: 105
Flow: 125 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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.
1119		12.8	1408	8.37	6.92	121.1	18.5	
1124		11.7	1375	3.02	7.11	105.0	4.0	
1127		11.6	1338	1.90	7.12	89.0	3.8	
1130		11.5	1364	1.47	7.09	55.4	3.6	
1133		11.5	1401	1.26	7.06	18.8	3.5	
1136		11.5	1430	1.14	7.04	-1.7	3.5	
1139		11.5	1448	1.05	7.03	-11.7	3.5	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E6D
Sample ID: ~~1003-04~~ 1024-04
Date: 10/9/24
Weather: Partly cloudy 55°F



145.73 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 10
Discharge 10
Pressure 100
Flow ~165 mL/min

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

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.
1130		15.7	775	2.87	7.70	-4.5	5.28	
1135		15.6	777	1.88	7.47	-155.0	3.55	
1138		15.5	780	1.69	7.45	-163.3	3.26	
1141		15.5	780	1.50	7.44	-169.1	3.62	
1144		15.5	781	1.39	7.44	-173.7	2.88	
1147		15.5	781	1.32	7.44	-175.5	2.74	
1150		15.5	780	1.27	7.44	-177.7	2.72	

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

SAMPLER: Alex Perez
Printed Name

Signature

SCS ENGINEERS

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: CTD
Sample ID: ~~1024-05~~ 1024-05
Date: 10/9/24
Weather: Cloudy, 55°F

143.71 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:

Refill	10	
Discharge	10	
Pressure	100	
Flow	525 mL/min	

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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1039		15.5	1724	1.00	7.22	138.9	3.86	
1044		14.6	1867	0.70	6.48	122.1	4.84	
1047		14.6	1864	0.68	6.48	106.0	3.57	
1050		14.6	1863	0.67	6.48	95.8	3.54	
1053		14.6	1862	0.66	6.48	79.6	3.60	
1056		14.5	1861	0.65	6.48	67.6	3.72	
1059		14.5	1860	0.65	6.48	59.7	3.41	

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

Lower psi or discharge time next Sampling. During Flow down below 500

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

SAMPLER: Alex Dezzo
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: ESD
Sample ID: 1024-06
Date: 10/8/24
Weather: Cloudy



146.82 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill: ic
Discharge: lo
Pressure: 100
Flow: 100 ml/min
One Well Volume (liters):
Total Volume Bailed (liters):
Other:
Flow Setting:

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.
1406		13.3	538	9.11	8.02	92.1	6.8	
1411		10.9	564	6.86	7.42	98.9	6.2	
1414		10.8	564	3.80	7.41	99.3	4.5	
1417		10.8	539	2.59	7.45	95.5	4.8	
1420		10.8	535	1.91	7.50	48.6	4.9	
1423		10.8	534	1.59	7.53	-14.0	3.9	
1426		10.8	535	1.38	7.55	-46.2	3.8	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site CSWF
Well ID: E45
Sample ID: 1024-07
Date: 10/8/24
Weather: Cloudy



140.56 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 80
Flow 200 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
Flow Setting :

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.
1024		12.0	632	9.16	7.47	84.3	5.6	
1029		10.7	872	4.73	6.90	103.4	7.6	
1032		10.6	1034	3.21	6.92	106.5	13.1	
1035		10.6	1055	2.70	6.93	106.3	14.1	
1038		10.6	1071	2.33	6.93	109.8	20.3	
1041		10.6	1087	2.03	6.94	113.8	27.4	
1044		10.6	1093	1.90	6.94	115.8	32.6	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E4D
Sample ID: 1024-08
Date: 10/8/24
Weather: Cloudy

151.22 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 9
Discharge 11
Pressure 105
Flow 125 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
Flow Setting :

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.
0933		11.4	557	9.20	6.76	129.9	7.7	
0938		10.8	526	4.25	7.13	94.6	36.2	
0941		10.7	504	2.35	7.49	73.7	9.8	
0944		10.7	504	1.73	7.64	62.1	9.4	
0947		10.7	512	1.48	7.69	56.6	11.6	
0950		10.6	525	1.30	7.73	51.6	14.0	
0953		10.7	537	1.22	7.74	49.5	12.1	

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

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 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 #: 04224035.24
Site: CSWF
Well ID: NE1C
Sample ID: 1024-09
Date: 10/9/24
Weather: Overcast



144.02 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: (1 ft water = 0.62L; 1L = 0.26 gallons)

Refill: 10
Discharge: 10
Pressure: 95
Flow: 100 ml/min

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

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.
1016		15.4	580	8.31	7.65	-25.3	5.6	
1021		13.9	785	7.53	7.07	-25.2	4.3	
1024		13.5	807	6.76	6.96	-24.6	3.4	
1027		13.4	801	6.95	6.95	-26.1	3.3	
1030		13.3	796	6.27	6.96	-27.3	3.3	
1033		13.3	790	~~6.97~~ 6.18	6.97	-29.3	3.3	
1036		13.2	787	6.16	6.97	-29.7	3.3	

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

SAMPLER: Jovany Estrada
Printed Name

JE
Signature

SCS ENGINEERS

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: NEID
Sample ID: 1024-10
Date: 10/9/24
Weather: Overcast

155.97 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow 100 ml/min

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
0926		15.0	572	8.54	6.87	46.4	3.4	
0931		13.1	629	3.23	7.08	-18.7	3.6	
0934		13.0	617	2.55	7.14	-28.0	3.6	
0937		12.9	606	2.05	7.19	-36.7	3.8	
0940		12.8	567	1.61	7.23	-46.5	4.2	
0943		12.7	595	1.49	7.25	-51.1	3.8	
0946		12.7	593	1.44	7.26	-54.7	3.7	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: NSD
Sample ID: ~~1008-11~~ 1024-11
Date: 10/8/24
Weather: Cloudy 55°F

147.26 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: (Dedicated) | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill 15
Discharge 15
Pressure 105
Flow 125 mL/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1220		12.6	1028	9.02	8.27	126.4	3.33	
1225		11.7	1286	4.22	7.90	144.2	3.17	
1228		11.7	1334	2.48	7.62	143.4	3.23	
1231		11.8	1342	1.99	7.60	141.6	3.20	
1234		11.8	1346	1.75	7.59	139.2	3.28	
1237		11.8	1346	1.61	7.59	136.3	3.30	
1240		11.7	1345	1.48	7.59	133.3	3.31	

Notes / Observations (color, odor, anomalies, etc):
WL 2x Checked. Possible typo last time?

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

SAMPLER: Alex Dezso
Printed Name

AD
Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: S11D
Sample ID: 1024-12
Date: 10/10/24
Weather: overcast



144.49 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 11
Discharge 9
Pressure 95
Flow 300 ml/min

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

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.
1015		10.8	704	8.29	7.35	22.4	4.7	
1020		9.8	745	5.74	7.28	8.1	5.7	
1023		9.8	732	3.57	7.27	1.7	6.1	
1026		9.8	723	2.57	7.33	-5.7	5.3	
1029		9.8	715	1.82	7.43	-15.9	5.0	
1032		9.8	714	1.55	7.49	-22.3	4.7	
1035		9.8	715	1.41	7.51	-25.9	4.8	

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

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

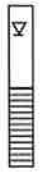
SAMPLER: Jovany Estrada
Printed Name

JE
Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: S115
Sample ID: 1024-13
Date: 10/10/24
Weather: overcast



133.54 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill: 11
Discharge: 9
Pressure: 75
Flow: 300 ml/min

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

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.
1107		10.5	724	7.59	7.67	34.4	3.8	
1112		9.8	712	5.63	7.44	29.7	3.4	
1115		9.7	710	2.59	7.56	12.7	3.3	
1118		9.7	704	0.93	7.64	26.1	3.2	
1121		9.7	704	0.88	7.64	27.0	3.2	
1124		9.7	704	0.87	7.64	27.6	3.2	
1127		9.7	724	0.84	7.64	28.1	3.2	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: SLCS
Sample ID: 1024-14
Date: 10/9/24
Weather: Sunny



135.12 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:

Refill	9.5'
Discharge	5.5
Pressure	80
Flow	250 ml/min

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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1234		15.0	409	8.61	7.80	37.9	4.5	
1239		14.4	1101	5.43	6.78	42.4	3.3	
1242		13.8	1097	3.86	6.81	42.1	3.0	
1245		13.8	1097	3.71	6.83	42.9	3.1	
1248		13.7	1095	3.59	6.84	46.9	3.2	
1251		13.7	1094	3.51	6.85	51.0	3.3	
1254		13.7	1093	3.48	6.85	55.2	3.4	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS
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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: DNR
Sample ID: ~~1001-15~~ 1024-15
Date: 10/9/24
Weather: Sunny 60°F

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1400		13.0	894	3.89	7.60	137.5	2.14	

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

* Not Filtered *

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

SAMPLER: Alex Desco
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: N1D
Sample ID: ~~1008-16~~ 1024-16
Date: 10/8/24
Weather: cloudy, 55°F

133.88 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 8
Discharge 7
Pressure 85
Flow 225 mL/min

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

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.
1334		16.8	1184	8.28	8.42	121.1	3.21	
1339		14.1	1401	8.74	8.16	142.8	3.00	
1342		13.5	1406	6.75	7.89	152.1	3.32	
1345		13.3	1406	3.48	7.65	134.8	2.94	
1348		13.2	1399	2.11	7.63	-8.3	2.89	
1351		13.2	1399	1.71	7.62	-46.2	2.85	
1354		13.1	1398	1.51	7.62	-62.8	2.81	

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

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

SAMPLER: Alex Destro
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: N2D
Sample ID: ~~1008-17~~ 1024-17
Date: 10/8/24
Weather: Cloudy, 60°F

145.80 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 85
Flow 250 mL/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1426		15.7	1193	8.28	8.08	122.1	3.16	
1431		14.3	1178	2.71	7.49	133.3	3.12	
1434		14.2	1179	1.76	7.43	129.1	3.12	
1437		14.1	1179	1.45	7.40	125.3	3.06	
1440		14.0	1176	1.30	7.39	122.9	3.13	
1443		14.0	1177	1.19	7.38	120.7	3.10	
1446		13.9	1177	1.14	7.37	119.5	3.10	

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

Duplicate taken @ 1500
Sample ID: 1008-28

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

SAMPLER: Alex Deszo
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: N25
Sample ID: ~~TCCB-18~~ 1024-18
Date: 10/8/24
Weather: Cloudy, Light rain 60°F

134.47 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 10
Discharge 5
Pressure 90
Flow 175 mL/min

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1522		15.2	1145	7.40	7.63	160.1	10.99	
1527		14.2	1295	3.64	7.30	170.8	6.87	
1530		14.1	12.99	3.35	7.28	173.2	6.69	
1533		14.1	1304	3.13	7.27	174.8	6.52	
1536		14.0	1308	2.92	7.26	176.0	6.46	
1539		14.0	1310	2.76	7.26	176.8	6.47	
1542		14.0	1312	2.63	7.26	177.8	6.61	

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

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

SAMPLER: Alex Dezso
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: N30 1024-19
Sample ID: ~~1006-19~~ ~~1009-19~~
Date: ~~10/8/24~~ 10/9/24
Weather: ~~Cloudy 55°F~~ Cloudy 53°F

147.96 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 8
Discharge 7
Pressure 80
Flow 250 mL/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
0935		15.9	654	7.39	7.35	66.2	3.49	
0940		14.2	659	5.96	6.52	99.7	3.28	
0943		13.8	657	5.88	6.50	114.6	3.24	
0946		13.6	658	4.25	6.65	120.8	3.44	
0949		13.4	672	2.82	6.87	119.6	3.38	
0952		13.3	676	2.23	7.03	116.1	3.46	
0955		13.3	676	1.88	7.15	110.3	3.68	
0958		13.3	674	1.71	7.21	102.6	3.78	

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

Duplicate Sample: ~~1006-29 @~~
1009-29 @ 1010

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

SAMPLER: Alex Desch
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: N35 1024-20
Sample ID: ~~1008-20~~ ~~1009-20~~
Date: ~~10/18/24~~ 10/19/24
Weather: Cloudy, ~~58°F~~ 53°F

138.82 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 / YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 10 | One Well Volume (liters) | Other:
Discharge 5 | Flow Setting:
Pressure 80 | Total Volume Bailed (liters)
Flow ~320 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.
0857		13.8	1007	5.04	6.24	44.3	~~6.~~ 6.40	
0902		13.1	1019	4.45	6.77	-12.2	6.65	
0905		13.0	1014	5.23	6.83	-2.5	7.42	
0908		13.0	1010	5.52	6.86	7.0	6.69	
0911		13.0	1016	5.64	6.87	18.2	5.29	
0914		12.9	1009	5.68	6.88	26.4	8.52	
0917		12.9	1008	5.70	6.89	31.7	14.68	

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

SAMPLER: Alex Dezze (Printed Name) AD (Signature)

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E2D
Sample ID: ~~1009-21~~ 1024-21
Date: 10/9/24
Weather: Partly Cloudy 55°F



145.88 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 / YSI

CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 105
Flow 250 mL/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1301		16.2	1316	7.51	7.29	132.4	2.83	
1306		13.7	1363	3.92	6.74	144.3	2.79	
1309		13.6	1341	2.71	6.67	140.1	2.54	
1312		13.6	1333	2.26	6.64	135.3	2.69	
1315		13.7	1349	1.99	6.62	131.7	2.56	
1318		13.7	1357	1.82	6.62	129.3	4.77	
1321		13.7	1361	1.69	6.62	128.6	5.82	

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

SAMPLER: Alex Deszo
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E25
Sample ID: ~~1009-22~~ 1024-22
Date: 10/9/24
Weather: Partly Cloudy 55°F

13664 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 90
Flow ~600 mL/min

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
Flow Setting :

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.
1228		14.0	1069	4.04	6.97	96.3	5.04	
1233		13.3	1086	1.06	6.76	86.6	3.09	
1236		13.2	1084	0.95	6.74	79.9	2.96	
1239		13.2	1080	0.90	6.73	75.5	3.39	
1242		13.2	1077	0.87	~~6.73~~ 6.72	73.2	3.98	
1245		13.2	1077	0.85	6.71	71.1	4.93	
1248		13.3	1077	0.84	6.71	69.6	3.63	

Notes / Observations (color, odor, anomalies, etc):
Turn down psi / discharge time
Next sampling. <500 mL/min flow

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

SAMPLER: Alex Dezzo
Printed Name

AD
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: EID
Sample ID: 1024-23
Date: 10/9/24
Weather: Sunny

136.99 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 8
Discharge 7
Pressure 95
Flow 250 ml/min
1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1340		12.4	1600	5.01	7.04	57.0	79.2	
1345		11.1	1609	0.90	6.98	56.5	90.7	
1348		11.1	1596	0.83	6.98	56.7	116.9	
1351		11.0	1581	0.75	6.99	59.1	135.1	
1354		11.0	1591	0.67	6.99	61.2	155.7	
1357		11.0	1591	0.62	6.99	62.1	173.2	
1400		11.0	1592	0.58	7.00	63.9	173.9	

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

SAMPLER: Jovany Estrada
Printed Name

JE
Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E15
Sample ID: 1024-24
Date: 10/9/24
Weather: Sunny

137.25 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill 12.5
Discharge 7.5
Pressure 80
Flow 300 ml/min

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

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):

Nitrate only

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1423		12.0	1137	8.70	7.57	72.8	17.3	
1428		11.2	1105	7.44	7.00	86.5	6.2	
1431		11.4	1096	7.22	6.98	88.8	4.7	
1434		11.5	1093	~~6.98~~ 7.19	6.98	94.7	3.8	
1437		11.7	1093	7.16	6.99	98.8	3.6	
1440		11.8	1093	7.14	7.00	104.8	3.5	
1443		11.9	1094	7.14	7.00	108.6	3.3	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: W21
Sample ID: ~~1009-25~~ 1024-25
Date: 10/9/24
Weather: Partly Cloudy 60°F

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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.
1430		12.8	881	4.80	7.51	81.6	0.53	

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

* Not Filtered *

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

SAMPLER: Alex Degre
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E9D
Sample ID: ~~1008-26~~ 1024-26
Date: 10/8/24
Weather: Cloudy 55°F

159.73 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 9/10
Discharge 4 10
Pressure 10S 10S
Flow 200 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1113		12.4	546	8.84	8.22	116.1	4.52	
1118		11.5	533	4.64	8.27	109.4	3.68	
1121		11.4	534	2.91	8.55	60.5	3.58	
1124		11.4	533	2.31	8.64	27.6	3.61	
1127		11.4	532	1.93	8.65	2.5	3.56	
1130		11.4	532	1.74	8.64	-21.3	3.58	
1133		11.4	532	1.58	8.62	-44.1	3.77	

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

SAMPLER: Alex Dozzo
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224035.24
Site: CSWF
Well ID: E10D
Sample ID: ~~1008-27~~ 1024-27
Date: 10/8/24
Weather: Cloudy 55°F

161.00 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 / YSI
CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 100
Flow 225 mL/min
1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
Flow Setting:

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.
1012		13.1	1063	8.87	6.94	297.00	5.56	
1017		11.2	1095	4.38	7.54	101.3	5.01	
1020		11.1	1013	2.71	7.56	-13.X	4.58	
1023		11.1	976	1.95	7.58	-65.3	4.20	
1026		11.1	965	1.61	7.60	-90.4	4.05	
1029		11.1	973	1.43	7.62	-107.3	3.93	
1032		11.1	988	1.34	7.64	-116.2	3.88	

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

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

SAMPLER: Alex Dezzo
Printed Name

AD
Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/5/24					
Time	0905					
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	1343	4.24	7.07	9.48		
Post Cal Reading	1413	4.00	7.00	8.50		
Descrepancy	No					
Calib. Successful?	YES					
Calibration by	J. Estrada					
Instrument Type, ID	(YSI Pro DDS) / YSI 556 / (Rental)				(YSI Pro DDS) / HACH2000	
Calibration Location	E45					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/9/24					
Time	0820					
Weather (sky or precip, temp)	overcast					
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	1407	4.13	6.93	8.76		
Post Cal Reading	1413	4.00	7.00	8.50		
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / ~~Rental~~				YSI Pro DDS / HACH2000	
Calibration Location	Maint. office					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/8/24					
Time	0952					
Weather (sky or precip, temp)	Cloudy, 55°F*					
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	1196	3.97	7.59	8.2	✓	
Post Cal Reading	1413	4.00	7.00	8.5	✓	
Descrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	(YSI Pro DDS) / YSI 556 / Rental				(YSI Pro DDS) / HACH2000	
Calibration Location	EIOD					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/9/24					
Time	0821					
Weather (sky or precip, temp)	Cloudy, 53°F					
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	1428	4.17	7.51	8.97	/ /	
Post Cal Reading	1413	4.00	7.00	8.5		
Descrepancy	No					
Calib. Successful?	YES					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWF Maintenance					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	10/10/24					
Time	0930					
Weather (sky or precip, temp)	overcast					
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	1500	3.92	6.95	9.72		
Post Cal Reading	1400	4.00	7.00			
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	T. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	Camp					

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

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04224035.24	TASK NO.	1,2,3	DATE	11-13-24	PROJECT NAME	Island County Landfill
TEMP	49	BARO	29.47	WIND	20 MPH SE	WEATHER	Overcast

SCS-FS LABOR	HOURS	OT		HOURS	OT
Riley	7	0	Project Foreman	7	
			DAILY TOTAL	7	

EQUIP, SVCS, MTLS, MLG	QTY	UNITS		QTY	UNITS
Service Truck	1	$18.50 Hourly	SCS Field Service	7	$129.50
Gem - 5000	1	$185.00 Daily	SCS Field Service	1	$185.00

INSTRUMENT CALIBRATION (CAL. GAS)		CH4 (%-VOL)	02 (%-VOL)	CO2 (%-VOL)		
MODEL	S/N					
Gem – 5000	G500232	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1 Blower # 2	75212 12892	2.5 3.5	9.50’	SV LFG	1.25” 4”	50% Open 50% Open

Propane Tank Level	Propane Line PSI	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
65% Full	9	2.7 3.7	9.50’	SV LFG	1.25” 4”	50% Open 50% Open

SUMMARY 0800 RB onsite to perform the Monthly Monitoring Event

0805 RB calibrating the Gem - 5000

0810 monitoring the Wells

1030 completed the Wells

1045 monitoring Probes

0130 completed Probes

0135 Post Calibration of the Gem - 5000

0140 RB offsite

PREPARED BY: Riley Baksic ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 11-13-24 Site Name: Island County Landfill

Technician: Riley Baksic Job No.04224035.24

WEATHER OBSERVATIONS

Wind Speed: 20 MPH Wind Direction: SE Barometric Pressure: 29.47 Hg

Air Temperature: 49 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. G500232

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

Time	CH4	CO2	O2
08:05	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
02:30	50.0%	35.0%	20.9%

NOTES:

Appendix B

2024 Analytical Data Validation & Laboratory Reports

FIRST QTR. 2024 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04223020.04	**Site Name**	Island County Coupeville SWF
Data Validator	Jovany Estrada	**Data Level**	Level 2
Date	3/26/2024	**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)
580-137348-1	The samples were received on 3/6/2024 11:15 AM. 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 0.6°C, 3.5°C and 4.3°C.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-137348-1	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	580-137348-1	N/A	See detailed results below.
Trip Blank	580-137348-1	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
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.	580-130012-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)
Alkalinity	mg/L	420	430	2.4
Arsenic	mg/L	0.003	0.0032	6.5
Barium	mg/L	0.028	0.031	10.2
Bicarbonate	mg/L	420	430	2.4
Calcium	mg/L	99	97	2.0
Chemical Oxygen Demand	mg/L	10	10 U	0.0
Chloride	mg/L	75	75	0.0
Magnesium	mg/L	69	68	1.5
Nickel	mg/L	0.0047	0.0048	2.1
Nitrate	mg/L	4.6	4.9	6.3
Potassium	mg/L	7.9	7.9	0.0
Sodium	mg/L	40	40	0.0
Sulfate	mg/L	72	71	1.4
Total Dissolved Solids	mg/L	670	690	2.9
Total Organic Carbon	mg/L	2.2	2.3	4.4
Trichlorofluoromethane	ug/L	0.56	0.53	5.5

* 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.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Coupeville SW Facility GW Q2 2022

JOB NUMBER

580-137348-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

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



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Revision 1

Authorized for release by
Katie Grant, Project Manager I
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Job Narrative
580-137348-1

REVISION

The report being provided is a revision of the original report sent on 3/20/2024. The report (revision 1) is being revised due to Client does not want to report down to the MDL.

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.

Revision
Client did not want to report down to the MDL.
Receipt
The samples were received on 3/6/2024 11:15 AM. 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 0.6°C, 3.5°C and 4.3°C.

Receipt Exceptions
Contianer 580-137348-F-12 was broken at login and removed. Containers 137348-A-9 and 137348-B-9 were not submitted due to prelog and removed from the login. 0324-09 (580-137348-9) and 0324-12 (580-137348-12)

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-453371 recovered above the upper control limit for 1,1-Dichloroethene, 2-Butanone, 2-Hexanone, Acetone, Acrylonitrile and Carbon disulfide. The samples associated with this CCV were non-detects above the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 0324-01 (580-137348-1), 0324-02 (580-137348-2), 0324-03 (580-137348-3), 0324-04 (580-137348-4), 0324-05 (580-137348-5), 0324-06 (580-137348-6), 0324-07 (580-137348-7), 0324-08 (580-137348-8), 0324-09 (580-137348-9), 0324-11 (580-137348-11) and (CCVIS 580-453371/3).

Method 8260D_LL: The method blank for analytical batch 580-453371 contained Methyl iodide 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 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-453449 recovered above the upper control limit for Ethylene Dibromide, 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2,3-Trichloropropane, 1,2-Dichloroethane, 1,2-Dichloropropane, 2-Butanone, 2-Hexanone, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chloroform, cis-1,2-Dichloroethene, Dibromomethane, Methylene Chloride, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl acetate and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 0324-12 (580-137348-12), Trip Blanks (580-137348-13) and (CCVIS 580-453449/3).

Method 8260D_LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-453449 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloropropane, 2-Butanone, Acetone, Acrylonitrile, Benzene, Bromochloromethane, Carbon tetrachloride, Chloroform, cis-1,2-Dichloroethene, Dibromomethane, trans-1,2-Dichloroethene and Trichloroethene. 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 continuing calibration verification (CCV) associated with batch 580-453371 recovered above the upper control limit for Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

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

General Chemistry
Method 300_48HR: The method blank for analytical batch 580-453393 contained Nitrate Nitrite as N above the method detection limit (MDL). This target analyte concentration was less than the project-specific action limit 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.

Definitions/Glossary

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

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.
F1	MS and/or MSD recovery exceeds control limits.

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

Job ID: 580-137348-1

Client Sample ID: 0324-01

Date Collected: 03/05/24 09:28
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-1

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		ug/L			03/17/24 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 01:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*03/17/24 01:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*03/17/24 01:06*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 01:06*	*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		ug/L			03/08/24 07:10	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 07:10	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 07:10	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 07:10	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 07:10	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 07:10	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 07:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 07:10	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 07:10	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 07:10	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 07:10	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 07:10	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 07:10	1
2-Butanone	ND		10		ug/L			03/08/24 07:10	1
2-Hexanone	ND		3.0		ug/L			03/08/24 07:10	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 07:10	1
Acetone	ND		10		ug/L			03/08/24 07:10	1
Acrylonitrile	ND		10		ug/L			03/08/24 07:10	1
Benzene	ND		0.20		ug/L			03/08/24 07:10	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 07:10	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 07:10	1
Bromoform	ND		0.50		ug/L			03/08/24 07:10	1
Bromomethane	ND		0.50		ug/L			03/08/24 07:10	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 07:10	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 07:10	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 07:10	1
Chloroethane	ND		0.50		ug/L			03/08/24 07:10	1
Chloroform	ND		0.20		ug/L			03/08/24 07:10	1
Chloromethane	ND		0.50		ug/L			03/08/24 07:10	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 07:10	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 07:10	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 07:10	1
Dibromomethane	ND		0.20		ug/L			03/08/24 07:10	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 07:10	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 07:10	1
Methyl iodide	ND		0.50		ug/L			03/08/24 07:10	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 07:10	1
o-Xylene	ND		0.50		ug/L			03/08/24 07:10	1
Styrene	ND		1.0		ug/L			03/08/24 07:10	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 07:10	1

Client Sample ID: 0324-01
Date Collected: 03/05/24 09:28
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-1
Matrix: Water

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		ug/L			03/08/24 07:10	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 07:10	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 07:10	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 07:10	1
Trichloroethene	ND		0.20		ug/L			03/08/24 07:10	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 07:10	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/08/24 07:10*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/08/24 07:10*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/08/24 07:10*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/08/24 07:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**91**		0.50		mg/L		03/13/24 15:08	03/14/24 17:07	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 17:07	1
Magnesium	**53**		0.50		mg/L		03/13/24 15:08	03/14/24 17:07	1
Manganese	**0.087**		0.020		mg/L		03/13/24 15:08	03/14/24 17:07	1
Potassium	**7.1**		3.3		mg/L		03/13/24 15:08	03/14/24 17:07	1
Sodium	**29**		0.50		mg/L		03/13/24 15:08	03/14/24 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/08/24 15:26	03/14/24 03:14	1
Arsenic	**0.0070**		0.0010		mg/L		03/08/24 15:26	03/14/24 03:14	1
Barium	**0.046**		0.0012		mg/L		03/08/24 15:26	03/14/24 03:14	1
Beryllium	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:14	1
Cadmium	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:14	1
Chromium	ND		0.00080		mg/L		03/08/24 15:26	03/14/24 03:14	1
Cobalt	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:14	1
Copper	ND		0.0020		mg/L		03/08/24 15:26	03/14/24 03:14	1
Iron	**0.83**		0.10		mg/L		03/08/24 15:26	03/14/24 03:14	1
Lead	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:14	1
Nickel	ND		0.0030		mg/L		03/08/24 15:26	03/14/24 03:14	1
Selenium	ND		0.0080		mg/L		03/08/24 15:26	03/14/24 03:14	1
Silver	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:14	1
Thallium	ND		0.0010		mg/L		03/08/24 15:26	03/14/24 03:14	1
Vanadium	ND		0.0040		mg/L		03/08/24 15:26	03/14/24 03:14	1
Zinc	ND		0.0070		mg/L		03/08/24 15:26	03/14/24 03:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 11:13	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			03/06/24 17:47	1
Chloride (EPA 300.0)	**55**		1.5		mg/L			03/07/24 11:13	1
Sulfate (EPA 300.0)	**47**		1.5		mg/L			03/07/24 11:13	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 12:51	1
Carbon, Total Organic (SM 5310D)	**1.5**		0.50	0.26	mg/L			03/19/24 13:28	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-01
Lab Sample ID: 580-137348-1
Date Collected: 03/05/24 09:28
Matrix: Water
Date Received: 03/06/24 11:15

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**410**		7.0	7.0	mg/L			03/13/24 16:03	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**410**		7.0	7.0	mg/L			03/13/24 16:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 16:03	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 16:03	1
Total Dissolved Solids (SM 2540C)	**520**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-02

Date Collected: 03/05/24 10:23
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-2

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		0.020		ug/L			03/17/24 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 01:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*03/17/24 01:29*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*03/17/24 01:29*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 01:29*	*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		ug/L			03/08/24 07:33	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 07:33	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 07:33	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 07:33	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 07:33	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 07:33	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 07:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 07:33	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 07:33	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 07:33	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 07:33	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 07:33	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 07:33	1
2-Butanone	ND		10		ug/L			03/08/24 07:33	1
2-Hexanone	ND		3.0		ug/L			03/08/24 07:33	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 07:33	1
Acetone	ND		10		ug/L			03/08/24 07:33	1
Acrylonitrile	ND		10		ug/L			03/08/24 07:33	1
Benzene	ND		0.20		ug/L			03/08/24 07:33	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 07:33	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 07:33	1
Bromoform	ND		0.50		ug/L			03/08/24 07:33	1
Bromomethane	ND		0.50		ug/L			03/08/24 07:33	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 07:33	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 07:33	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 07:33	1
Chloroethane	ND		0.50		ug/L			03/08/24 07:33	1
Chloroform	ND		0.20		ug/L			03/08/24 07:33	1
Chloromethane	ND		0.50		ug/L			03/08/24 07:33	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 07:33	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 07:33	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 07:33	1
Dibromomethane	ND		0.20		ug/L			03/08/24 07:33	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 07:33	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 07:33	1
Methyl iodide	ND		0.50		ug/L			03/08/24 07:33	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 07:33	1
o-Xylene	ND		0.50		ug/L			03/08/24 07:33	1
Styrene	ND		1.0		ug/L			03/08/24 07:33	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 07:33	1

Client Sample ID: 0324-02
Date Collected: 03/05/24 10:23
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-2
Matrix: Water

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		ug/L			03/08/24 07:33	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 07:33	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 07:33	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 07:33	1
Trichloroethene	ND		0.20		ug/L			03/08/24 07:33	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 07:33	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 07:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*03/08/24 07:33*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/08/24 07:33*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/08/24 07:33*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*03/08/24 07:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**27**		0.50		mg/L		03/13/24 15:08	03/14/24 17:34	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 17:34	1
Magnesium	**32**		0.50		mg/L		03/13/24 15:08	03/14/24 17:34	1
Manganese	**0.026**		0.020		mg/L		03/13/24 15:08	03/14/24 17:34	1
Potassium	**14**		3.3		mg/L		03/13/24 15:08	03/14/24 17:34	1
Sodium	**15**		0.50		mg/L		03/13/24 15:08	03/14/24 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/08/24 15:26	03/14/24 03:16	1
Arsenic	**0.023**		0.0010		mg/L		03/08/24 15:26	03/14/24 03:16	1
Barium	**0.025**		0.0012		mg/L		03/08/24 15:26	03/14/24 03:16	1
Beryllium	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:16	1
Cadmium	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:16	1
Chromium	ND		0.00080		mg/L		03/08/24 15:26	03/14/24 03:16	1
Cobalt	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:16	1
Copper	ND		0.0020		mg/L		03/08/24 15:26	03/14/24 03:16	1
Iron	**0.16**		0.10		mg/L		03/08/24 15:26	03/14/24 03:16	1
Lead	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:16	1
Nickel	ND		0.0030		mg/L		03/08/24 15:26	03/14/24 03:16	1
Selenium	ND		0.0080		mg/L		03/08/24 15:26	03/14/24 03:16	1
Silver	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 03:16	1
Thallium	ND		0.0010		mg/L		03/08/24 15:26	03/14/24 03:16	1
Vanadium	ND		0.0040		mg/L		03/08/24 15:26	03/14/24 03:16	1
Zinc	ND		0.0070		mg/L		03/08/24 15:26	03/14/24 03:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 11:25	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			03/06/24 18:10	1
Chloride (EPA 300.0)	**41**		1.5		mg/L			03/07/24 11:25	1
Sulfate (EPA 300.0)	**18**		1.5		mg/L			03/07/24 11:25	1
Ammonia (EPA 350.1)	**0.076**		0.075		mg/L		03/19/24 09:34	03/19/24 12:52	1
Carbon, Total Organic (SM 5310D)	**1.3**		0.50	0.26	mg/L			03/19/24 12:27	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-02
Lab Sample ID: 580-137348-2
Date Collected: 03/05/24 10:23
Matrix: Water
Date Received: 03/06/24 11:15

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**190**		7.0	7.0	mg/L			03/13/24 16:03	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**190**		7.0	7.0	mg/L			03/13/24 16:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 16:03	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 16:03	1
Total Dissolved Solids (SM 2540C)	**260**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	**10**		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-03

Date Collected: 03/05/24 11:29
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-3

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		ug/L			03/17/24 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 01:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 01:52*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*03/17/24 01:52*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 01:52*	*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		ug/L			03/08/24 07:56	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 07:56	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 07:56	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 07:56	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 07:56	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 07:56	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 07:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 07:56	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 07:56	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 07:56	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 07:56	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 07:56	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 07:56	1
2-Butanone	ND		10		ug/L			03/08/24 07:56	1
2-Hexanone	ND		3.0		ug/L			03/08/24 07:56	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 07:56	1
Acetone	ND		10		ug/L			03/08/24 07:56	1
Acrylonitrile	ND		10		ug/L			03/08/24 07:56	1
Benzene	ND		0.20		ug/L			03/08/24 07:56	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 07:56	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 07:56	1
Bromoform	ND		0.50		ug/L			03/08/24 07:56	1
Bromomethane	ND		0.50		ug/L			03/08/24 07:56	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 07:56	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 07:56	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 07:56	1
Chloroethane	ND		0.50		ug/L			03/08/24 07:56	1
Chloroform	ND		0.20		ug/L			03/08/24 07:56	1
Chloromethane	ND		0.50		ug/L			03/08/24 07:56	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 07:56	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 07:56	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 07:56	1
Dibromomethane	ND		0.20		ug/L			03/08/24 07:56	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 07:56	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 07:56	1
Methyl iodide	ND		0.50		ug/L			03/08/24 07:56	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 07:56	1
o-Xylene	ND		0.50		ug/L			03/08/24 07:56	1
Styrene	ND		1.0		ug/L			03/08/24 07:56	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 07:56	1

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-03
Lab Sample ID: 580-137348-3
Date Collected: 03/05/24 11:29
Matrix: Water
Date Received: 03/06/24 11:15

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		ug/L			03/08/24 07:56	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 07:56	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 07:56	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 07:56	1
Trichloroethene	ND		0.20		ug/L			03/08/24 07:56	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 07:56	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/08/24 07:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/08/24 07:56*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/08/24 07:56*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*03/08/24 07:56*	*1*

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

Job ID: 580-137348-1

Client Sample ID: 0324-04

Date Collected: 03/05/24 09:45
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-4

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		ug/L			03/17/24 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 02:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 02:16*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*03/17/24 02:16*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 02:16*	*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		ug/L			03/08/24 08:19	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 08:19	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 08:19	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 08:19	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 08:19	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 08:19	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 08:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 08:19	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 08:19	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 08:19	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 08:19	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 08:19	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 08:19	1
2-Butanone	ND		10		ug/L			03/08/24 08:19	1
2-Hexanone	ND		3.0		ug/L			03/08/24 08:19	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 08:19	1
Acetone	ND		10		ug/L			03/08/24 08:19	1
Acrylonitrile	ND		10		ug/L			03/08/24 08:19	1
Benzene	ND		0.20		ug/L			03/08/24 08:19	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 08:19	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 08:19	1
Bromoform	ND		0.50		ug/L			03/08/24 08:19	1
Bromomethane	ND		0.50		ug/L			03/08/24 08:19	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 08:19	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 08:19	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 08:19	1
Chloroethane	ND		0.50		ug/L			03/08/24 08:19	1
Chloroform	ND		0.20		ug/L			03/08/24 08:19	1
Chloromethane	ND		0.50		ug/L			03/08/24 08:19	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 08:19	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 08:19	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 08:19	1
Dibromomethane	ND		0.20		ug/L			03/08/24 08:19	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 08:19	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 08:19	1
Methyl iodide	ND		0.50		ug/L			03/08/24 08:19	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 08:19	1
o-Xylene	ND		0.50		ug/L			03/08/24 08:19	1
Styrene	ND		1.0		ug/L			03/08/24 08:19	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 08:19	1

Client Sample ID: 0324-04

Date Collected: 03/05/24 09:45
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-4

Matrix: Water

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		ug/L			03/08/24 08:19	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 08:19	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 08:19	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 08:19	1
Trichloroethene	ND		0.20		ug/L			03/08/24 08:19	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 08:19	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 08:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*03/08/24 08:19*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/08/24 08:19*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/08/24 08:19*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*03/08/24 08:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		0.50		mg/L		03/13/24 15:08	03/14/24 17:38	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 17:38	1
Magnesium	**78**	**F1**	0.50		mg/L		03/13/24 15:08	03/14/24 17:38	1
Manganese	**0.39**		0.020		mg/L		03/13/24 15:08	03/14/24 17:38	1
Potassium	**7.9**		3.3		mg/L		03/13/24 15:08	03/14/24 17:38	1
Sodium	**34**		0.50		mg/L		03/13/24 15:08	03/14/24 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 16:10	1
Arsenic	**0.0069**		0.0010		mg/L		03/11/24 17:27	03/13/24 16:10	1
Barium	**0.085**		0.0012		mg/L		03/11/24 17:27	03/13/24 16:10	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:10	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:10	1
Chromium	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 16:10	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:10	1
Copper	ND		0.0020		mg/L		03/11/24 17:27	03/13/24 16:10	1
Iron	**2.0**		0.10		mg/L		03/11/24 17:27	03/13/24 16:10	1
Lead	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:10	1
Nickel	ND		0.0030		mg/L		03/11/24 17:27	03/13/24 16:10	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 16:10	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:10	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 16:10	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 16:10	1
Zinc	ND		0.0070		mg/L		03/11/24 17:27	03/13/24 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 11:37	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			03/06/24 18:34	1
Chloride (EPA 300.0)	**26**		1.5		mg/L			03/07/24 11:37	1
Sulfate (EPA 300.0)	**38**		1.5		mg/L			03/07/24 11:37	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 12:54	1
Carbon, Total Organic (SM 5310D)	**2.5**		0.50	0.26	mg/L			03/19/24 10:26	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-04
Lab Sample ID: 580-137348-4
Date Collected: 03/05/24 09:45
Matrix: Water
Date Received: 03/06/24 11:15

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**750**		7.0	7.0	mg/L			03/13/24 16:03	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**750**		7.0	7.0	mg/L			03/13/24 16:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 16:03	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 16:03	1
Total Dissolved Solids (SM 2540C)	**880**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-05

Date Collected: 03/05/24 11:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-5

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		ug/L			03/17/24 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 02:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 02:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*03/17/24 02:39*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 02:39*	*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		ug/L			03/08/24 08:43	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 08:43	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 08:43	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 08:43	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 08:43	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 08:43	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 08:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 08:43	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 08:43	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 08:43	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 08:43	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 08:43	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 08:43	1
2-Butanone	ND		10		ug/L			03/08/24 08:43	1
2-Hexanone	ND		3.0		ug/L			03/08/24 08:43	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 08:43	1
Acetone	ND		10		ug/L			03/08/24 08:43	1
Acrylonitrile	ND		10		ug/L			03/08/24 08:43	1
Benzene	ND		0.20		ug/L			03/08/24 08:43	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 08:43	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 08:43	1
Bromoform	ND		0.50		ug/L			03/08/24 08:43	1
Bromomethane	ND		0.50		ug/L			03/08/24 08:43	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 08:43	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 08:43	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 08:43	1
Chloroethane	ND		0.50		ug/L			03/08/24 08:43	1
Chloroform	ND		0.20		ug/L			03/08/24 08:43	1
Chloromethane	ND		0.50		ug/L			03/08/24 08:43	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 08:43	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 08:43	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 08:43	1
Dibromomethane	ND		0.20		ug/L			03/08/24 08:43	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 08:43	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 08:43	1
Methyl iodide	ND		0.50		ug/L			03/08/24 08:43	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 08:43	1
o-Xylene	ND		0.50		ug/L			03/08/24 08:43	1
Styrene	ND		1.0		ug/L			03/08/24 08:43	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 08:43	1

Client Sample ID: 0324-05

Date Collected: 03/05/24 11:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-5

Matrix: Water

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		ug/L			03/08/24 08:43	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 08:43	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 08:43	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 08:43	1
Trichloroethene	ND		0.20		ug/L			03/08/24 08:43	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 08:43	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*03/08/24 08:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/08/24 08:43*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/08/24 08:43*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/24 08:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**53**		0.50		mg/L		03/13/24 15:08	03/14/24 17:47	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 17:47	1
Magnesium	**29**		0.50		mg/L		03/13/24 15:08	03/14/24 17:47	1
Manganese	**0.31**		0.020		mg/L		03/13/24 15:08	03/14/24 17:47	1
Potassium	**5.1**		3.3		mg/L		03/13/24 15:08	03/14/24 17:47	1
Sodium	**24**		0.50		mg/L		03/13/24 15:08	03/14/24 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 16:13	1
Arsenic	**0.0053**		0.0010		mg/L		03/11/24 17:27	03/13/24 16:13	1
Barium	**0.064**		0.0012		mg/L		03/11/24 17:27	03/13/24 16:13	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:13	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:13	1
Chromium	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 16:13	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:13	1
Copper	ND		0.0020		mg/L		03/11/24 17:27	03/13/24 16:13	1
Iron	**1.4**		0.10		mg/L		03/11/24 17:27	03/13/24 16:13	1
Lead	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:13	1
Nickel	ND		0.0030		mg/L		03/11/24 17:27	03/13/24 16:13	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 16:13	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:13	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 16:13	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 16:13	1
Zinc	ND		0.0070		mg/L		03/11/24 17:27	03/13/24 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 11:49	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			03/06/24 18:46	1
Chloride (EPA 300.0)	**12**		1.5		mg/L			03/07/24 11:49	1
Sulfate (EPA 300.0)	**23**		1.5		mg/L			03/07/24 11:49	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 12:56	1
Carbon, Total Organic (SM 5310D)	**0.97**		0.50	0.26	mg/L			03/19/24 09:59	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-05
Date Collected: 03/05/24 11:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**270**		7.0	7.0	mg/L			03/13/24 16:03	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**270**		7.0	7.0	mg/L			03/13/24 16:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 16:03	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 16:03	1
Total Dissolved Solids (SM 2540C)	**310**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-06

Date Collected: 03/05/24 12:14
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-6

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		ug/L			03/17/24 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/17/24 03:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 03:02*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*03/17/24 03:02*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 03:02*	*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		ug/L			03/08/24 09:06	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 09:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 09:06	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 09:06	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 09:06	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 09:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 09:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 09:06	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 09:06	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 09:06	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 09:06	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 09:06	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 09:06	1
2-Butanone	ND		10		ug/L			03/08/24 09:06	1
2-Hexanone	ND		3.0		ug/L			03/08/24 09:06	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 09:06	1
Acetone	ND		10		ug/L			03/08/24 09:06	1
Acrylonitrile	ND		10		ug/L			03/08/24 09:06	1
Benzene	ND		0.20		ug/L			03/08/24 09:06	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 09:06	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 09:06	1
Bromoform	ND		0.50		ug/L			03/08/24 09:06	1
Bromomethane	ND		0.50		ug/L			03/08/24 09:06	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 09:06	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 09:06	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 09:06	1
Chloroethane	ND		0.50		ug/L			03/08/24 09:06	1
Chloroform	ND		0.20		ug/L			03/08/24 09:06	1
Chloromethane	ND		0.50		ug/L			03/08/24 09:06	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 09:06	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 09:06	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 09:06	1
Dibromomethane	ND		0.20		ug/L			03/08/24 09:06	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 09:06	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 09:06	1
Methyl iodide	ND		0.50		ug/L			03/08/24 09:06	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 09:06	1
o-Xylene	ND		0.50		ug/L			03/08/24 09:06	1
Styrene	ND		1.0		ug/L			03/08/24 09:06	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 09:06	1

Client Sample ID: 0324-06

Date Collected: 03/05/24 12:14
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-6

Matrix: Water

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		ug/L			03/08/24 09:06	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 09:06	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 09:06	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 09:06	1
Trichloroethene	ND		0.20		ug/L			03/08/24 09:06	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 09:06	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 09:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*03/08/24 09:06*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/08/24 09:06*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/08/24 09:06*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/24 09:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**63**		0.50		mg/L		03/13/24 15:08	03/14/24 17:51	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 17:51	1
Magnesium	**33**		0.50		mg/L		03/13/24 15:08	03/14/24 17:51	1
Manganese	**0.51**		0.020		mg/L		03/13/24 15:08	03/14/24 17:51	1
Potassium	**5.6**		3.3		mg/L		03/13/24 15:08	03/14/24 17:51	1
Sodium	**33**		0.50		mg/L		03/13/24 15:08	03/14/24 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 16:16	1
Arsenic	**0.0016**		0.0010		mg/L		03/11/24 17:27	03/13/24 16:16	1
Barium	**0.082**		0.0012		mg/L		03/11/24 17:27	03/13/24 16:16	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:16	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:16	1
Chromium	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 16:16	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:16	1
Copper	ND		0.0020		mg/L		03/11/24 17:27	03/13/24 16:16	1
Iron	**1.3**		0.10		mg/L		03/11/24 17:27	03/13/24 16:16	1
Lead	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:16	1
Nickel	ND		0.0030		mg/L		03/11/24 17:27	03/13/24 16:16	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 16:16	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 16:16	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 16:16	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 16:16	1
Zinc	ND		0.0070		mg/L		03/11/24 17:27	03/13/24 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 12:00	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			03/06/24 18:57	1
Chloride (EPA 300.0)	**18**		1.5		mg/L			03/07/24 12:00	1
Sulfate (EPA 300.0)	**29**		1.5		mg/L			03/07/24 12:00	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 12:58	1
Carbon, Total Organic (SM 5310D)	**1.7**		0.50	0.26	mg/L			03/19/24 09:33	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-06
Date Collected: 03/05/24 12:14
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**330**		7.0	7.0	mg/L			03/13/24 18:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**330**		7.0	7.0	mg/L			03/13/24 18:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 18:19	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 18:19	1
Total Dissolved Solids (SM 2540C)	**420**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	**11**		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-07

Date Collected: 03/05/24 13:07
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**10**		0.020		ug/L			03/17/24 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 03:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 03:25*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*03/17/24 03:25*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/17/24 03:25*	*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		ug/L			03/08/24 09:29	1
1,1,1-Trichloroethane	**0.47**		0.20		ug/L			03/08/24 09:29	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 09:29	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 09:29	1
1,1-Dichloroethane	**0.27**		0.20		ug/L			03/08/24 09:29	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 09:29	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 09:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 09:29	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 09:29	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 09:29	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 09:29	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 09:29	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 09:29	1
2-Butanone	ND		10		ug/L			03/08/24 09:29	1
2-Hexanone	ND		3.0		ug/L			03/08/24 09:29	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 09:29	1
Acetone	ND		10		ug/L			03/08/24 09:29	1
Acrylonitrile	ND		10		ug/L			03/08/24 09:29	1
Benzene	ND		0.20		ug/L			03/08/24 09:29	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 09:29	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 09:29	1
Bromoform	ND		0.50		ug/L			03/08/24 09:29	1
Bromomethane	ND		0.50		ug/L			03/08/24 09:29	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 09:29	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 09:29	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 09:29	1
Chloroethane	ND		0.50		ug/L			03/08/24 09:29	1
Chloroform	ND		0.20		ug/L			03/08/24 09:29	1
Chloromethane	ND		0.50		ug/L			03/08/24 09:29	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 09:29	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 09:29	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 09:29	1
Dibromomethane	ND		0.20		ug/L			03/08/24 09:29	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 09:29	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 09:29	1
Methyl iodide	ND		0.50		ug/L			03/08/24 09:29	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 09:29	1
o-Xylene	ND		0.50		ug/L			03/08/24 09:29	1
Styrene	ND		1.0		ug/L			03/08/24 09:29	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 09:29	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-07
Date Collected: 03/05/24 13:07
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-7
Matrix: Water

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		ug/L			03/08/24 09:29	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 09:29	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 09:29	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 09:29	1
Trichloroethene	ND		0.20		ug/L			03/08/24 09:29	1
Trichlorofluoromethane	**3.0**		0.50		ug/L			03/08/24 09:29	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 09:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/08/24 09:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/08/24 09:29*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/08/24 09:29*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/24 09:29*	*1*

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

Job ID: 580-137348-1

Client Sample ID: 0324-08

Date Collected: 03/05/24 12:43
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-8

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		ug/L			03/17/24 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/17/24 03:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 03:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 125*		*03/17/24 03:48*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 03:48*	*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		ug/L			03/08/24 09:52	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 09:52	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 09:52	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 09:52	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 09:52	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 09:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 09:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 09:52	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 09:52	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 09:52	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 09:52	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 09:52	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 09:52	1
2-Butanone	ND		10		ug/L			03/08/24 09:52	1
2-Hexanone	ND		3.0		ug/L			03/08/24 09:52	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 09:52	1
Acetone	ND		10		ug/L			03/08/24 09:52	1
Acrylonitrile	ND		10		ug/L			03/08/24 09:52	1
Benzene	ND		0.20		ug/L			03/08/24 09:52	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 09:52	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 09:52	1
Bromoform	ND		0.50		ug/L			03/08/24 09:52	1
Bromomethane	ND		0.50		ug/L			03/08/24 09:52	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 09:52	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 09:52	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 09:52	1
Chloroethane	ND		0.50		ug/L			03/08/24 09:52	1
Chloroform	ND		0.20		ug/L			03/08/24 09:52	1
Chloromethane	ND		0.50		ug/L			03/08/24 09:52	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 09:52	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 09:52	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 09:52	1
Dibromomethane	ND		0.20		ug/L			03/08/24 09:52	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 09:52	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 09:52	1
Methyl iodide	ND		0.50		ug/L			03/08/24 09:52	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 09:52	1
o-Xylene	ND		0.50		ug/L			03/08/24 09:52	1
Styrene	ND		1.0		ug/L			03/08/24 09:52	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 09:52	1

Client Sample ID: 0324-08
Date Collected: 03/05/24 12:43
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-8
Matrix: Water

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		ug/L			03/08/24 09:52	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 09:52	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 09:52	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 09:52	1
Trichloroethene	ND		0.20		ug/L			03/08/24 09:52	1
Trichlorofluoromethane	**0.56**		0.50		ug/L			03/08/24 09:52	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*03/08/24 09:52*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/08/24 09:52*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/08/24 09:52*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/24 09:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**99**		0.50		mg/L		03/13/24 15:08	03/14/24 17:54	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 17:54	1
Magnesium	**69**		0.50		mg/L		03/13/24 15:08	03/14/24 17:54	1
Manganese	ND		0.020		mg/L		03/13/24 15:08	03/14/24 17:54	1
Potassium	**7.9**		3.3		mg/L		03/13/24 15:08	03/14/24 17:54	1
Sodium	**40**		0.50		mg/L		03/13/24 15:08	03/14/24 17:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:38	1
Arsenic	**0.0030**		0.0010		mg/L		03/11/24 17:27	03/13/24 18:38	1
Barium	**0.028**		0.0012		mg/L		03/11/24 17:27	03/13/24 18:38	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:38	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:38	1
Chromium	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:38	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:38	1
Copper	ND		0.0020		mg/L		03/11/24 17:27	03/13/24 18:38	1
Iron	ND		0.10		mg/L		03/11/24 17:27	03/13/24 18:38	1
Lead	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:38	1
Nickel	**0.0047**		0.0030		mg/L		03/11/24 17:27	03/13/24 18:38	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 18:38	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:38	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 18:38	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 18:38	1
Zinc	ND		0.0070		mg/L		03/11/24 17:27	03/13/24 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 12:12	1
Nitrate Nitrite as N (EPA 300.0)	**4.6**		2.0		mg/L			03/06/24 19:21	5
Chloride (EPA 300.0)	**75**		1.5		mg/L			03/07/24 12:12	1
Sulfate (EPA 300.0)	**72**		1.5		mg/L			03/07/24 12:12	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 13:00	1
Carbon, Total Organic (SM 5310D)	**2.2**		0.50	0.26	mg/L			03/19/24 09:07	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-08
Lab Sample ID: 580-137348-8
Date Collected: 03/05/24 12:43
Matrix: Water
Date Received: 03/06/24 11:15

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**420**		7.0	7.0	mg/L			03/13/24 18:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**420**		7.0	7.0	mg/L			03/13/24 18:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 18:19	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 18:19	1
Total Dissolved Solids (SM 2540C)	**670**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	**10**		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-09

Date Collected: 03/05/24 13:00
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-9

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		ug/L			03/17/24 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 04:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 04:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 125*		*03/17/24 04:12*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 04:12*	*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		ug/L			03/08/24 10:16	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 10:16	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 10:16	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 10:16	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 10:16	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 10:16	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 10:16	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 10:16	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 10:16	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 10:16	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 10:16	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 10:16	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 10:16	1
2-Butanone	ND		10		ug/L			03/08/24 10:16	1
2-Hexanone	ND		3.0		ug/L			03/08/24 10:16	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 10:16	1
Acetone	ND		10		ug/L			03/08/24 10:16	1
Acrylonitrile	ND		10		ug/L			03/08/24 10:16	1
Benzene	ND		0.20		ug/L			03/08/24 10:16	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 10:16	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 10:16	1
Bromoform	ND		0.50		ug/L			03/08/24 10:16	1
Bromomethane	ND		0.50		ug/L			03/08/24 10:16	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 10:16	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 10:16	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 10:16	1
Chloroethane	ND		0.50		ug/L			03/08/24 10:16	1
Chloroform	ND		0.20		ug/L			03/08/24 10:16	1
Chloromethane	ND		0.50		ug/L			03/08/24 10:16	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 10:16	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 10:16	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 10:16	1
Dibromomethane	ND		0.20		ug/L			03/08/24 10:16	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 10:16	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 10:16	1
Methyl iodide	ND		0.50		ug/L			03/08/24 10:16	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 10:16	1
o-Xylene	ND		0.50		ug/L			03/08/24 10:16	1
Styrene	ND		1.0		ug/L			03/08/24 10:16	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 10:16	1

Client Sample ID: 0324-09

Date Collected: 03/05/24 13:00
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-9

Matrix: Water

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		ug/L			03/08/24 10:16	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 10:16	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 10:16	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 10:16	1
Trichloroethene	ND		0.20		ug/L			03/08/24 10:16	1
Trichlorofluoromethane	**0.53**		0.50		ug/L			03/08/24 10:16	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*03/08/24 10:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/08/24 10:16*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/08/24 10:16*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/24 10:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**97**		0.50		mg/L		03/13/24 15:08	03/14/24 17:57	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 17:57	1
Magnesium	**68**		0.50		mg/L		03/13/24 15:08	03/14/24 17:57	1
Manganese	ND		0.020		mg/L		03/13/24 15:08	03/14/24 17:57	1
Potassium	**7.9**		3.3		mg/L		03/13/24 15:08	03/14/24 17:57	1
Sodium	**40**		0.50		mg/L		03/13/24 15:08	03/14/24 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:41	1
Arsenic	**0.0032**		0.0010		mg/L		03/11/24 17:27	03/13/24 18:41	1
Barium	**0.031**		0.0012		mg/L		03/11/24 17:27	03/13/24 18:41	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:41	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:41	1
Chromium	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:41	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:41	1
Copper	ND		0.0020		mg/L		03/11/24 17:27	03/13/24 18:41	1
Iron	ND		0.10		mg/L		03/11/24 17:27	03/13/24 18:41	1
Lead	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:41	1
Nickel	**0.0048**		0.0030		mg/L		03/11/24 17:27	03/13/24 18:41	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 18:41	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:41	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 18:41	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 18:41	1
Zinc	ND		0.0070		mg/L		03/11/24 17:27	03/13/24 18:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 12:24	1
Nitrate Nitrite as N (EPA 300.0)	**4.9**		4.0		mg/L			03/06/24 19:56	10
Chloride (EPA 300.0)	**75**		1.5		mg/L			03/07/24 12:24	1
Sulfate (EPA 300.0)	**71**		1.5		mg/L			03/07/24 12:24	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 13:02	1
Carbon, Total Organic (SM 5310D)	**2.3**		0.50	0.26	mg/L			03/19/24 08:41	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-09
Lab Sample ID: 580-137348-9
Date Collected: 03/05/24 13:00
Matrix: Water
Date Received: 03/06/24 11:15

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**430**		7.0	7.0	mg/L			03/13/24 18:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**430**		7.0	7.0	mg/L			03/13/24 18:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 18:19	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 18:19	1
Total Dissolved Solids (SM 2540C)	**690**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-10

Date Collected: 03/05/24 14:33
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-10

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		ug/L			03/17/24 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/17/24 05:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*03/17/24 05:21*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 125*		*03/17/24 05:21*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 05:21*	*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		ug/L			03/08/24 10:39	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 10:39	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 10:39	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 10:39	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 10:39	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 10:39	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 10:39	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 10:39	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 10:39	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 10:39	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 10:39	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 10:39	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 10:39	1
2-Butanone	ND		10		ug/L			03/08/24 10:39	1
2-Hexanone	ND		3.0		ug/L			03/08/24 10:39	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 10:39	1
Acetone	ND		10		ug/L			03/08/24 10:39	1
Acrylonitrile	ND		10		ug/L			03/08/24 10:39	1
Benzene	ND		0.20		ug/L			03/08/24 10:39	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 10:39	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 10:39	1
Bromoform	ND		0.50		ug/L			03/08/24 10:39	1
Bromomethane	ND		0.50		ug/L			03/08/24 10:39	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 10:39	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 10:39	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 10:39	1
Chloroethane	ND		0.50		ug/L			03/08/24 10:39	1
Chloroform	ND		0.20		ug/L			03/08/24 10:39	1
Chloromethane	ND		0.50		ug/L			03/08/24 10:39	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 10:39	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 10:39	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 10:39	1
Dibromomethane	ND		0.20		ug/L			03/08/24 10:39	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 10:39	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 10:39	1
Methyl iodide	ND		0.50		ug/L			03/08/24 10:39	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 10:39	1
o-Xylene	ND		0.50		ug/L			03/08/24 10:39	1
Styrene	ND		1.0		ug/L			03/08/24 10:39	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 10:39	1

Client Sample ID: 0324-10

Date Collected: 03/05/24 14:33
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-10

Matrix: Water

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		ug/L			03/08/24 10:39	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 10:39	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 10:39	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 10:39	1
Trichloroethene	ND		0.20		ug/L			03/08/24 10:39	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 10:39	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*03/08/24 10:39*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/08/24 10:39*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/08/24 10:39*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/24 10:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**19**		0.50		mg/L		03/13/24 15:08	03/14/24 18:12	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 18:12	1
Magnesium	**1.9**		0.50		mg/L		03/13/24 15:08	03/14/24 18:12	1
Manganese	**0.12**		0.020		mg/L		03/13/24 15:08	03/14/24 18:12	1
Potassium	ND		3.3		mg/L		03/13/24 15:08	03/14/24 18:12	1
Sodium	**8.2**		0.50		mg/L		03/13/24 15:08	03/15/24 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:44	1
Arsenic	**0.0013**		0.0010		mg/L		03/11/24 17:27	03/13/24 18:44	1
Barium	**0.049**		0.0012		mg/L		03/11/24 17:27	03/13/24 18:44	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:44	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:44	1
Chromium	**0.0068**		0.00080		mg/L		03/11/24 17:27	03/13/24 18:44	1
Cobalt	**0.0017**		0.00040		mg/L		03/11/24 17:27	03/13/24 18:44	1
Copper	**0.014**		0.0020		mg/L		03/11/24 17:27	03/13/24 18:44	1
Iron	**2.6**		0.10		mg/L		03/11/24 17:27	03/13/24 18:44	1
Lead	**0.013**		0.00040		mg/L		03/11/24 17:27	03/13/24 18:44	1
Nickel	**0.0066**		0.0030		mg/L		03/11/24 17:27	03/13/24 18:44	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 18:44	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:44	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 18:44	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 18:44	1
Zinc	**0.44**		0.0070		mg/L		03/11/24 17:27	03/13/24 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 12:36	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			03/06/24 20:08	1
Chloride (EPA 300.0)	**9.5**		1.5		mg/L			03/07/24 12:36	1
Sulfate (EPA 300.0)	**4.9**		1.5		mg/L			03/07/24 12:36	1
Ammonia (EPA 350.1)	**0.62**		0.075		mg/L		03/19/24 09:34	03/19/24 13:03	1
Carbon, Total Organic (SM 5310D)	**4.2**		0.50	0.26	mg/L			03/19/24 08:15	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-10
Date Collected: 03/05/24 14:33
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-10
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**67**		7.0	7.0	mg/L			03/13/24 18:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**67**		7.0	7.0	mg/L			03/13/24 18:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 18:19	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 18:19	1
Total Dissolved Solids (SM 2540C)	**67**		10	10	mg/L			03/11/24 09:26	1
Chemical Oxygen Demand (SM 5220D)	**39**		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-11

Date Collected: 03/05/24 10:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-11

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		ug/L			03/17/24 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/17/24 04:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*03/17/24 04:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*03/17/24 04:35*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 04:35*	*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		ug/L			03/08/24 11:02	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 11:02	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 11:02	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 11:02	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 11:02	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 11:02	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 11:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 11:02	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 11:02	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 11:02	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 11:02	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 11:02	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 11:02	1
2-Butanone	ND		10		ug/L			03/08/24 11:02	1
2-Hexanone	ND		3.0		ug/L			03/08/24 11:02	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 11:02	1
Acetone	ND		10		ug/L			03/08/24 11:02	1
Acrylonitrile	ND		10		ug/L			03/08/24 11:02	1
Benzene	ND		0.20		ug/L			03/08/24 11:02	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 11:02	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 11:02	1
Bromoform	ND		0.50		ug/L			03/08/24 11:02	1
Bromomethane	ND		0.50		ug/L			03/08/24 11:02	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 11:02	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 11:02	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 11:02	1
Chloroethane	ND		0.50		ug/L			03/08/24 11:02	1
Chloroform	ND		0.20		ug/L			03/08/24 11:02	1
Chloromethane	ND		0.50		ug/L			03/08/24 11:02	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 11:02	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 11:02	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 11:02	1
Dibromomethane	ND		0.20		ug/L			03/08/24 11:02	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 11:02	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 11:02	1
Methyl iodide	ND		0.50		ug/L			03/08/24 11:02	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 11:02	1
o-Xylene	ND		0.50		ug/L			03/08/24 11:02	1
Styrene	ND		1.0		ug/L			03/08/24 11:02	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 11:02	1

Client Sample ID: 0324-11

Date Collected: 03/05/24 10:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-11

Matrix: Water

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		ug/L			03/08/24 11:02	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 11:02	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 11:02	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 11:02	1
Trichloroethene	ND		0.20		ug/L			03/08/24 11:02	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 11:02	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*03/08/24 11:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/08/24 11:02*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/08/24 11:02*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*03/08/24 11:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**61**		0.50		mg/L		03/13/24 15:08	03/14/24 18:15	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 18:15	1
Magnesium	**43**		0.50		mg/L		03/13/24 15:08	03/14/24 18:15	1
Manganese	**0.17**		0.020		mg/L		03/13/24 15:08	03/14/24 18:15	1
Potassium	**6.1**		3.3		mg/L		03/13/24 15:08	03/14/24 18:15	1
Sodium	**25**		0.50		mg/L		03/13/24 15:08	03/15/24 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:46	1
Arsenic	**0.0069**		0.0010		mg/L		03/11/24 17:27	03/13/24 18:46	1
Barium	**0.032**		0.0012		mg/L		03/11/24 17:27	03/13/24 18:46	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:46	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:46	1
Chromium	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:46	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:46	1
Copper	**0.0020**		0.0020		mg/L		03/11/24 17:27	03/13/24 18:46	1
Iron	**0.60**		0.10		mg/L		03/11/24 17:27	03/13/24 18:46	1
Lead	**0.00044**		0.00040		mg/L		03/11/24 17:27	03/13/24 18:46	1
Nickel	ND		0.0030		mg/L		03/11/24 17:27	03/13/24 18:46	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 18:46	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:46	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 18:46	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 18:46	1
Zinc	**0.14**		0.0070		mg/L		03/11/24 17:27	03/13/24 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 12:48	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			03/06/24 20:19	1
Chloride (EPA 300.0)	**23**		1.5		mg/L			03/07/24 12:48	1
Sulfate (EPA 300.0)	**26**		1.5		mg/L			03/07/24 12:48	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 13:05	1
Carbon, Total Organic (SM 5310D)	**1.2**		0.50	0.26	mg/L			03/19/24 07:49	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-11
Date Collected: 03/05/24 10:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-11
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**340**		7.0	7.0	mg/L			03/13/24 18:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**340**		7.0	7.0	mg/L			03/13/24 18:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0	7.0	mg/L			03/13/24 18:19	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 18:19	1
Total Dissolved Solids (SM 2540C)	**400**		10	10	mg/L			03/11/24 09:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		03/07/24 16:23	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: 0324-12

Date Collected: 03/05/24 13:30
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-12

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		ug/L			03/17/24 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 04:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*03/17/24 04:58*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*03/17/24 04:58*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 04:58*	*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		ug/L			03/09/24 00:26	1
1,1,1-Trichloroethane	ND	*+	0.20		ug/L			03/09/24 00:26	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/09/24 00:26	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/09/24 00:26	1
1,1-Dichloroethane	ND	*+	0.20		ug/L			03/09/24 00:26	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			03/09/24 00:26	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/09/24 00:26	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/09/24 00:26	1
1,2-Dibromoethane	ND		0.10		ug/L			03/09/24 00:26	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/09/24 00:26	1
1,2-Dichloroethane	ND	*+	0.20		ug/L			03/09/24 00:26	1
1,2-Dichloropropane	ND	*+	0.20		ug/L			03/09/24 00:26	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/09/24 00:26	1
2-Butanone	ND	*+	10		ug/L			03/09/24 00:26	1
2-Hexanone	ND		3.0		ug/L			03/09/24 00:26	1
4-Methyl-2-pentanone	ND		10		ug/L			03/09/24 00:26	1
Acetone	ND	*+	10		ug/L			03/09/24 00:26	1
Acrylonitrile	ND	*+	10		ug/L			03/09/24 00:26	1
Benzene	ND	*+	0.20		ug/L			03/09/24 00:26	1
Bromochloromethane	ND	*+	0.20		ug/L			03/09/24 00:26	1
Bromodichloromethane	ND		0.20		ug/L			03/09/24 00:26	1
Bromoform	ND		0.50		ug/L			03/09/24 00:26	1
Bromomethane	ND		0.50		ug/L			03/09/24 00:26	1
Carbon disulfide	ND		0.30		ug/L			03/09/24 00:26	1
Carbon tetrachloride	ND	*+	0.20		ug/L			03/09/24 00:26	1
Chlorobenzene	ND		0.20		ug/L			03/09/24 00:26	1
Chloroethane	ND		0.50		ug/L			03/09/24 00:26	1
Chloroform	ND	*+	0.20		ug/L			03/09/24 00:26	1
Chloromethane	ND		0.50		ug/L			03/09/24 00:26	1
cis-1,2-Dichloroethene	ND	*+	0.20		ug/L			03/09/24 00:26	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/09/24 00:26	1
Dibromochloromethane	ND		0.20		ug/L			03/09/24 00:26	1
Dibromomethane	ND	*+	0.20		ug/L			03/09/24 00:26	1
Ethylbenzene	ND		0.20		ug/L			03/09/24 00:26	1
m,p-Xylene	ND		0.50		ug/L			03/09/24 00:26	1
Methyl iodide	ND		0.50		ug/L			03/09/24 00:26	1
Methylene Chloride	ND		5.0		ug/L			03/09/24 00:26	1
o-Xylene	ND		0.50		ug/L			03/09/24 00:26	1
Styrene	ND		1.0		ug/L			03/09/24 00:26	1
Tetrachloroethene	ND		0.50		ug/L			03/09/24 00:26	1

Client Sample ID: 0324-12

Date Collected: 03/05/24 13:30
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-12

Matrix: Water

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		ug/L			03/09/24 00:26	1
trans-1,2-Dichloroethene	ND	*+	0.20		ug/L			03/09/24 00:26	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/09/24 00:26	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/09/24 00:26	1
Trichloroethene	ND	*+	0.20		ug/L			03/09/24 00:26	1
Trichlorofluoromethane	ND		0.50		ug/L			03/09/24 00:26	1
Vinyl acetate	ND		2.0		ug/L			03/09/24 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*03/09/24 00:26*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/09/24 00:26*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*03/09/24 00:26*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*03/09/24 00:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**74**		0.50		mg/L		03/13/24 15:08	03/14/24 18:19	1
Iron	ND		0.30		mg/L		03/13/24 15:08	03/14/24 18:19	1
Magnesium	**45**		0.50		mg/L		03/13/24 15:08	03/14/24 18:19	1
Manganese	ND		0.020		mg/L		03/13/24 15:08	03/14/24 18:19	1
Potassium	**5.1**		3.3		mg/L		03/13/24 15:08	03/14/24 18:19	1
Sodium	**30**		0.50		mg/L		03/13/24 15:08	03/15/24 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 18:49	1
Arsenic	**0.0032**		0.0010		mg/L		03/11/24 17:27	03/13/24 18:49	1
Barium	**0.024**		0.0012		mg/L		03/11/24 17:27	03/13/24 18:49	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:49	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:49	1
Chromium	**0.0014**		0.00080		mg/L		03/11/24 17:27	03/13/24 18:49	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:49	1
Copper	**0.052**		0.0020		mg/L		03/11/24 17:27	03/13/24 18:49	1
Iron	ND		0.10		mg/L		03/11/24 17:27	03/13/24 18:49	1
Lead	**0.00084**		0.00040		mg/L		03/11/24 17:27	03/13/24 18:49	1
Nickel	ND		0.0030		mg/L		03/11/24 17:27	03/13/24 18:49	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 18:49	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 18:49	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 18:49	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 18:49	1
Zinc	**0.063**		0.0070		mg/L		03/11/24 17:27	03/13/24 18:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.20		mg/L			03/07/24 13:00	1
Nitrate Nitrite as N (EPA 300.0)	**0.85**		0.40		mg/L			03/06/24 20:31	1
Chloride (EPA 300.0)	**54**		1.5		mg/L			03/07/24 13:00	1
Sulfate (EPA 300.0)	**47**		1.5		mg/L			03/07/24 13:00	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		03/19/24 09:34	03/19/24 13:07	1
Carbon, Total Organic (SM 5310D)	**1.8**		0.50	0.26	mg/L			03/19/24 07:24	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-12
Lab Sample ID: 580-137348-12
Date Collected: 03/05/24 13:30
Matrix: Water
Date Received: 03/06/24 11:15

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**330**		7.0	7.0	mg/L			03/13/24 18:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**310**		7.0	7.0	mg/L			03/13/24 18:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	**15**		7.0	7.0	mg/L			03/13/24 18:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0	5.0	mg/L			03/13/24 18:53	1
Total Dissolved Solids (SM 2540C)	**510**		10	10	mg/L			03/11/24 09:55	1
Chemical Oxygen Demand (SM 5220D)	ND		10	10	mg/L		03/07/24 16:23	03/07/24 19:05	1

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

Job ID: 580-137348-1

Client Sample ID: Trip Blanks

Date Collected: 03/05/24 14:00
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-13
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		ug/L			03/17/24 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/17/24 00:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 120*		*03/17/24 00:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 125*		*03/17/24 00:43*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/17/24 00:43*	*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		ug/L			03/08/24 21:20	1
1,1,1-Trichloroethane	ND	*+	0.20		ug/L			03/08/24 21:20	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 21:20	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 21:20	1
1,1-Dichloroethane	ND	*+	0.20		ug/L			03/08/24 21:20	1
1,1-Dichloroethene	ND	*+	0.20		ug/L			03/08/24 21:20	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 21:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 21:20	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 21:20	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 21:20	1
1,2-Dichloroethane	ND	*+	0.20		ug/L			03/08/24 21:20	1
1,2-Dichloropropane	ND	*+	0.20		ug/L			03/08/24 21:20	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 21:20	1
2-Butanone	ND	*+	10		ug/L			03/08/24 21:20	1
2-Hexanone	ND		3.0		ug/L			03/08/24 21:20	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 21:20	1
Acetone	ND	*+	10		ug/L			03/08/24 21:20	1
Acrylonitrile	ND	*+	10		ug/L			03/08/24 21:20	1
Benzene	ND	*+	0.20		ug/L			03/08/24 21:20	1
Bromochloromethane	ND	*+	0.20		ug/L			03/08/24 21:20	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 21:20	1
Bromoform	ND		0.50		ug/L			03/08/24 21:20	1
Bromomethane	ND		0.50		ug/L			03/08/24 21:20	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 21:20	1
Carbon tetrachloride	ND	*+	0.20		ug/L			03/08/24 21:20	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 21:20	1
Chloroethane	ND		0.50		ug/L			03/08/24 21:20	1
Chloroform	ND	*+	0.20		ug/L			03/08/24 21:20	1
Chloromethane	ND		0.50		ug/L			03/08/24 21:20	1
cis-1,2-Dichloroethene	ND	*+	0.20		ug/L			03/08/24 21:20	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 21:20	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 21:20	1
Dibromomethane	ND	*+	0.20		ug/L			03/08/24 21:20	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 21:20	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 21:20	1
Methyl iodide	ND		0.50		ug/L			03/08/24 21:20	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 21:20	1
o-Xylene	ND		0.50		ug/L			03/08/24 21:20	1
Styrene	ND		1.0		ug/L			03/08/24 21:20	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 21:20	1

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: Trip Blanks
Lab Sample ID: 580-137348-13
Date Collected: 03/05/24 14:00
Matrix: Water
Date Received: 03/06/24 11:15

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		ug/L			03/08/24 21:20	1
trans-1,2-Dichloroethene	ND	*+	0.20		ug/L			03/08/24 21:20	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 21:20	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 21:20	1
Trichloroethene	ND	*+	0.20		ug/L			03/08/24 21:20	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 21:20	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*03/08/24 21:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*03/08/24 21:20*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/08/24 21:20*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*03/08/24 21:20*	*1*

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

Lab Sample ID: MB 580-453371/7
Matrix: Water
Analysis Batch: 453371

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		ug/L			03/08/24 04:27	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 04:27	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 04:27	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 04:27	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 04:27	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 04:27	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 04:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 04:27	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 04:27	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 04:27	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 04:27	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 04:27	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 04:27	1
2-Butanone	ND		10		ug/L			03/08/24 04:27	1
2-Hexanone	ND		3.0		ug/L			03/08/24 04:27	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 04:27	1
Acetone	ND		10		ug/L			03/08/24 04:27	1
Acrylonitrile	ND		10		ug/L			03/08/24 04:27	1
Benzene	ND		0.20		ug/L			03/08/24 04:27	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 04:27	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 04:27	1
Bromoform	ND		0.50		ug/L			03/08/24 04:27	1
Bromomethane	ND		0.50		ug/L			03/08/24 04:27	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 04:27	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 04:27	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 04:27	1
Chloroethane	ND		0.50		ug/L			03/08/24 04:27	1
Chloroform	ND		0.20		ug/L			03/08/24 04:27	1
Chloromethane	ND		0.50		ug/L			03/08/24 04:27	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 04:27	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 04:27	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 04:27	1
Dibromomethane	ND		0.20		ug/L			03/08/24 04:27	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 04:27	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 04:27	1
Methyl iodide	ND		0.50		ug/L			03/08/24 04:27	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 04:27	1
o-Xylene	ND		0.50		ug/L			03/08/24 04:27	1
Styrene	ND		1.0		ug/L			03/08/24 04:27	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 04:27	1
Toluene	ND		0.20		ug/L			03/08/24 04:27	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 04:27	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 04:27	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 04:27	1
Trichloroethene	ND		0.20		ug/L			03/08/24 04:27	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 04:27	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 04:27	1

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

Lab Sample ID: MB 580-453371/7
Matrix: Water
Analysis Batch: 453371

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*		*03/08/24 04:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*03/08/24 04:27*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/08/24 04:27*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/08/24 04:27*	*1*

Lab Sample ID: LCS 580-453371/4
Matrix: Water
Analysis Batch: 453371

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	5.05		ug/L		101	69 - 127
1,1,1-Trichloroethane	5.00	5.36		ug/L		107	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.31		ug/L		106	67 - 136
1,1,2-Trichloroethane	5.00	5.20		ug/L		104	73 - 127
1,1-Dichloroethane	5.00	5.58		ug/L		112	74 - 120
1,1-Dichloroethene	5.00	5.50		ug/L		110	60 - 129
1,2,3-Trichloropropane	5.00	5.50		ug/L		110	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.55		ug/L		91	55 - 135
1,2-Dibromoethane	5.00	5.43		ug/L		109	61 - 143
1,2-Dichlorobenzene	5.00	5.03		ug/L		101	72 - 129
1,2-Dichloroethane	5.00	5.34		ug/L		107	74 - 127
1,2-Dichloropropane	5.00	5.45		ug/L		109	69 - 130
1,4-Dichlorobenzene	5.00	4.86		ug/L		97	71 - 129
2-Butanone	25.0	29.0		ug/L		116	37 - 150
2-Hexanone	25.0	28.5		ug/L		114	56 - 150
4-Methyl-2-pentanone	25.0	26.4		ug/L		106	63 - 137
Acetone	25.0	30.6		ug/L		122	49 - 150
Acrylonitrile	50.0	58.7		ug/L		117	50 - 145
Benzene	5.00	5.42		ug/L		108	80 - 120
Bromochloromethane	5.00	5.72		ug/L		114	79 - 121
Bromodichloromethane	5.00	5.53		ug/L		111	74 - 131
Bromoform	5.00	4.96		ug/L		99	48 - 127
Bromomethane	5.00	4.81		ug/L		96	51 - 148
Carbon disulfide	5.00	5.68		ug/L		114	54 - 142
Carbon tetrachloride	5.00	5.50		ug/L		110	66 - 130
Chlorobenzene	5.00	4.98		ug/L		100	74 - 123
Chloroethane	5.00	5.13		ug/L		103	54 - 140
Chloroform	5.00	5.42		ug/L		108	75 - 120
Chloromethane	5.00	4.67		ug/L		93	32 - 150
cis-1,2-Dichloroethene	5.00	5.61		ug/L		112	72 - 120
cis-1,3-Dichloropropene	5.00	4.47		ug/L		89	77 - 131
Dibromochloromethane	5.00	5.32		ug/L		106	62 - 141
Dibromomethane	5.00	5.59		ug/L		112	65 - 141
Ethylbenzene	5.00	4.93		ug/L		99	80 - 124
m,p-Xylene	5.00	4.68		ug/L		94	75 - 124
Methyl iodide	5.00	4.21		ug/L		84	60 - 128
Methylene Chloride	5.00	6.06		ug/L		121	40 - 142
o-Xylene	5.00	4.85		ug/L		97	71 - 124

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

Lab Sample ID: LCS 580-453371/4
Matrix: Water
Analysis Batch: 453371

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	4.78		ug/L		96	74 - 127
Tetrachloroethene	5.00	4.84		ug/L		97	75 - 124
Toluene	5.00	4.63		ug/L		93	80 - 126
trans-1,2-Dichloroethene	5.00	5.19		ug/L		104	69 - 121
trans-1,3-Dichloropropene	5.00	5.44		ug/L		109	71 - 138
trans-1,4-Dichloro-2-butene	5.00	5.08		ug/L		102	20 - 150
Trichloroethene	5.00	5.30		ug/L		106	72 - 120
Trichlorofluoromethane	5.00	5.23		ug/L		105	60 - 132
Vinyl acetate	12.5	12.8		ug/L		103	38 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 580-453371/5
Matrix: Water
Analysis Batch: 453371

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	5.24		ug/L		105	69 - 127	4	22
1,1,1-Trichloroethane	5.00	5.62		ug/L		112	70 - 121	5	24
1,1,2,2-Tetrachloroethane	5.00	5.62		ug/L		112	67 - 136	6	24
1,1,2-Trichloroethane	5.00	5.56		ug/L		111	73 - 127	7	22
1,1-Dichloroethane	5.00	5.74		ug/L		115	74 - 120	3	26
1,1-Dichloroethene	5.00	5.59		ug/L		112	60 - 129	2	29
1,2,3-Trichloropropane	5.00	5.65		ug/L		113	67 - 135	3	25
1,2-Dibromo-3-Chloropropane	5.00	4.71		ug/L		94	55 - 135	4	29
1,2-Dibromoethane	5.00	5.80		ug/L		116	61 - 143	7	22
1,2-Dichlorobenzene	5.00	5.24		ug/L		105	72 - 129	4	22
1,2-Dichloroethane	5.00	5.61		ug/L		112	74 - 127	5	21
1,2-Dichloropropane	5.00	5.65		ug/L		113	69 - 130	4	22
1,4-Dichlorobenzene	5.00	5.10		ug/L		102	71 - 129	5	22
2-Butanone	25.0	30.8		ug/L		123	37 - 150	6	35
2-Hexanone	25.0	29.8		ug/L		119	56 - 150	4	29
4-Methyl-2-pentanone	25.0	28.3		ug/L		113	63 - 137	7	26
Acetone	25.0	32.1		ug/L		128	49 - 150	5	24
Acrylonitrile	50.0	62.8		ug/L		126	50 - 145	7	33
Benzene	5.00	5.68		ug/L		114	80 - 120	5	22
Bromochloromethane	5.00	5.96		ug/L		119	79 - 121	4	20
Bromodichloromethane	5.00	5.71		ug/L		114	74 - 131	3	21
Bromoform	5.00	5.37		ug/L		107	48 - 127	8	23
Bromomethane	5.00	5.01		ug/L		100	51 - 148	4	35
Carbon disulfide	5.00	5.79		ug/L		116	54 - 142	2	34
Carbon tetrachloride	5.00	5.73		ug/L		115	66 - 130	4	24
Chlorobenzene	5.00	5.18		ug/L		104	74 - 123	4	21
Chloroethane	5.00	5.28		ug/L		106	54 - 140	3	33

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

Lab Sample ID: LCSD 580-453371/5
Matrix: Water
Analysis Batch: 453371

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	5.70		ug/L		114	75 - 120	5	21
Chloromethane			5.00	4.82		ug/L		96	32 - 150	3	33
cis-1,2-Dichloroethene			5.00	5.78		ug/L		116	72 - 120	3	22
cis-1,3-Dichloropropene			5.00	4.79		ug/L		96	77 - 131	7	24
Dibromochloromethane			5.00	5.64		ug/L		113	62 - 141	6	22
Dibromomethane			5.00	6.02		ug/L		120	65 - 141	8	22
Ethylbenzene			5.00	5.10		ug/L		102	80 - 124	3	22
m,p-Xylene			5.00	4.90		ug/L		98	75 - 124	5	22
Methyl iodide			5.00	4.48		ug/L		90	60 - 128	6	39
Methylene Chloride			5.00	6.14		ug/L		123	40 - 142	1	25
o-Xylene			5.00	5.03		ug/L		101	71 - 124	4	23
Styrene			5.00	4.95		ug/L		99	74 - 127	3	22
Tetrachloroethene			5.00	4.90		ug/L		98	75 - 124	1	20
Toluene			5.00	4.82		ug/L		96	80 - 126	4	20
trans-1,2-Dichloroethene			5.00	5.58		ug/L		112	69 - 121	7	27
trans-1,3-Dichloropropene			5.00	5.83		ug/L		117	71 - 138	7	26
trans-1,4-Dichloro-2-butene			5.00	5.16		ug/L		103	20 - 150	2	35
Trichloroethene			5.00	5.53		ug/L		111	72 - 120	4	22
Trichlorofluoromethane			5.00	5.51		ug/L		110	60 - 132	5	32
Vinyl acetate			12.5	13.6		ug/L		109	38 - 150	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 580-453449/7
Matrix: Water
Analysis Batch: 453449

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		ug/L			03/08/24 20:10	1
1,1,1-Trichloroethane	ND		0.20		ug/L			03/08/24 20:10	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			03/08/24 20:10	1
1,1,2-Trichloroethane	ND		0.20		ug/L			03/08/24 20:10	1
1,1-Dichloroethane	ND		0.20		ug/L			03/08/24 20:10	1
1,1-Dichloroethene	ND		0.20		ug/L			03/08/24 20:10	1
1,2,3-Trichloropropane	ND		0.20		ug/L			03/08/24 20:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			03/08/24 20:10	1
1,2-Dibromoethane	ND		0.10		ug/L			03/08/24 20:10	1
1,2-Dichlorobenzene	ND		0.30		ug/L			03/08/24 20:10	1
1,2-Dichloroethane	ND		0.20		ug/L			03/08/24 20:10	1
1,2-Dichloropropane	ND		0.20		ug/L			03/08/24 20:10	1
1,4-Dichlorobenzene	ND		0.30		ug/L			03/08/24 20:10	1
2-Butanone	ND		10		ug/L			03/08/24 20:10	1
2-Hexanone	ND		3.0		ug/L			03/08/24 20:10	1
4-Methyl-2-pentanone	ND		10		ug/L			03/08/24 20:10	1

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

Lab Sample ID: MB 580-453449/7
Matrix: Water
Analysis Batch: 453449

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		ug/L			03/08/24 20:10	1
Acrylonitrile	ND		10		ug/L			03/08/24 20:10	1
Benzene	ND		0.20		ug/L			03/08/24 20:10	1
Bromochloromethane	ND		0.20		ug/L			03/08/24 20:10	1
Bromodichloromethane	ND		0.20		ug/L			03/08/24 20:10	1
Bromoform	ND		0.50		ug/L			03/08/24 20:10	1
Bromomethane	ND		0.50		ug/L			03/08/24 20:10	1
Carbon disulfide	ND		0.30		ug/L			03/08/24 20:10	1
Carbon tetrachloride	ND		0.20		ug/L			03/08/24 20:10	1
Chlorobenzene	ND		0.20		ug/L			03/08/24 20:10	1
Chloroethane	ND		0.50		ug/L			03/08/24 20:10	1
Chloroform	ND		0.20		ug/L			03/08/24 20:10	1
Chloromethane	ND		0.50		ug/L			03/08/24 20:10	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 20:10	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 20:10	1
Dibromochloromethane	ND		0.20		ug/L			03/08/24 20:10	1
Dibromomethane	ND		0.20		ug/L			03/08/24 20:10	1
Ethylbenzene	ND		0.20		ug/L			03/08/24 20:10	1
m,p-Xylene	ND		0.50		ug/L			03/08/24 20:10	1
Methyl iodide	ND		0.50		ug/L			03/08/24 20:10	1
Methylene Chloride	ND		5.0		ug/L			03/08/24 20:10	1
o-Xylene	ND		0.50		ug/L			03/08/24 20:10	1
Styrene	ND		1.0		ug/L			03/08/24 20:10	1
Tetrachloroethene	ND		0.50		ug/L			03/08/24 20:10	1
Toluene	ND		0.20		ug/L			03/08/24 20:10	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			03/08/24 20:10	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			03/08/24 20:10	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			03/08/24 20:10	1
Trichloroethene	ND		0.20		ug/L			03/08/24 20:10	1
Trichlorofluoromethane	ND		0.50		ug/L			03/08/24 20:10	1
Vinyl acetate	ND		2.0		ug/L			03/08/24 20:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*03/08/24 20:10*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*03/08/24 20:10*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/08/24 20:10*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*03/08/24 20:10*	*1*

Lab Sample ID: LCS 580-453449/4
Matrix: Water
Analysis Batch: 453449

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	5.54		ug/L		111	69 - 127
1,1,1-Trichloroethane	5.00	6.71	*+	ug/L		134	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.98		ug/L		120	67 - 136
1,1,2-Trichloroethane	5.00	5.94		ug/L		119	73 - 127
1,1-Dichloroethane	5.00	6.91	*+	ug/L		138	74 - 120

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

Lab Sample ID: LCS 580-453449/4
Matrix: Water
Analysis Batch: 453449

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	6.79	*+	ug/L		136	60 - 129
1,2,3-Trichloropropane	5.00	6.10		ug/L		122	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	5.60		ug/L		112	55 - 135
1,2-Dibromoethane	5.00	6.35		ug/L		127	61 - 143
1,2-Dichlorobenzene	5.00	5.35		ug/L		107	72 - 129
1,2-Dichloroethane	5.00	6.78	*+	ug/L		136	74 - 127
1,2-Dichloropropane	5.00	6.60	*+	ug/L		132	69 - 130
1,4-Dichlorobenzene	5.00	5.22		ug/L		104	71 - 129
2-Butanone	25.0	42.7	*+	ug/L		171	37 - 150
2-Hexanone	25.0	36.1		ug/L		144	56 - 150
4-Methyl-2-pentanone	25.0	33.5		ug/L		134	63 - 137
Acetone	25.0	44.9	*+	ug/L		180	49 - 150
Acrylonitrile	50.0	80.8	*+	ug/L		162	50 - 145
Benzene	5.00	6.53	*+	ug/L		131	80 - 120
Bromochloromethane	5.00	6.90	*+	ug/L		138	79 - 121
Bromodichloromethane	5.00	6.53		ug/L		131	74 - 131
Bromoform	5.00	5.90		ug/L		118	48 - 127
Bromomethane	5.00	5.24		ug/L		105	51 - 148
Carbon disulfide	5.00	6.86		ug/L		137	54 - 142
Carbon tetrachloride	5.00	6.67	*+	ug/L		133	66 - 130
Chlorobenzene	5.00	5.56		ug/L		111	74 - 123
Chloroethane	5.00	5.93		ug/L		119	54 - 140
Chloroform	5.00	6.63	*+	ug/L		133	75 - 120
Chloromethane	5.00	5.64		ug/L		113	32 - 150
cis-1,2-Dichloroethene	5.00	6.68	*+	ug/L		134	72 - 120
cis-1,3-Dichloropropene	5.00	5.12		ug/L		102	77 - 131
Dibromochloromethane	5.00	5.80		ug/L		116	62 - 141
Dibromomethane	5.00	7.26	*+	ug/L		145	65 - 141
Ethylbenzene	5.00	5.40		ug/L		108	80 - 124
m,p-Xylene	5.00	5.25		ug/L		105	75 - 124
Methyl iodide	5.00	4.68		ug/L		94	60 - 128
Methylene Chloride	5.00	6.95		ug/L		139	40 - 142
o-Xylene	5.00	5.29		ug/L		106	71 - 124
Styrene	5.00	5.13		ug/L		103	74 - 127
Tetrachloroethene	5.00	5.14		ug/L		103	75 - 124
Toluene	5.00	5.25		ug/L		105	80 - 126
trans-1,2-Dichloroethene	5.00	6.79	*+	ug/L		136	69 - 121
trans-1,3-Dichloropropene	5.00	6.27		ug/L		125	71 - 138
trans-1,4-Dichloro-2-butene	5.00	5.89		ug/L		118	20 - 150
Trichloroethene	5.00	6.43	*+	ug/L		129	72 - 120
Trichlorofluoromethane	5.00	6.49		ug/L		130	60 - 132
Vinyl acetate	12.5	16.3		ug/L		130	38 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*93*		*80 - 120*

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

Lab Sample ID: LCSD 580-453449/5
Matrix: Water
Analysis Batch: 453449

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	5.07		ug/L		101	69 - 127	9	22
1,1,1-Trichloroethane			5.00	6.00		ug/L		120	70 - 121	11	24
1,1,2,2-Tetrachloroethane			5.00	5.68		ug/L		114	67 - 136	5	24
1,1,2-Trichloroethane			5.00	5.54		ug/L		111	73 - 127	7	22
1,1-Dichloroethane			5.00	6.19	*+	ug/L		124	74 - 120	11	26
1,1-Dichloroethene			5.00	6.34		ug/L		127	60 - 129	7	29
1,2,3-Trichloropropane			5.00	5.84		ug/L		117	67 - 135	4	25
1,2-Dibromo-3-Chloropropane			5.00	5.49		ug/L		110	55 - 135	2	29
1,2-Dibromoethane			5.00	6.03		ug/L		121	61 - 143	5	22
1,2-Dichlorobenzene			5.00	5.05		ug/L		101	72 - 129	6	22
1,2-Dichloroethane			5.00	6.34		ug/L		127	74 - 127	7	21
1,2-Dichloropropane			5.00	6.08		ug/L		122	69 - 130	8	22
1,4-Dichlorobenzene			5.00	4.89		ug/L		98	71 - 129	6	22
2-Butanone			25.0	40.3	*+	ug/L		161	37 - 150	6	35
2-Hexanone			25.0	34.4		ug/L		138	56 - 150	5	29
4-Methyl-2-pentanone			25.0	31.4		ug/L		126	63 - 137	6	26
Acetone			25.0	39.8	*+	ug/L		159	49 - 150	12	24
Acrylonitrile			50.0	75.4	*+	ug/L		151	50 - 145	7	33
Benzene			5.00	6.04	*+	ug/L		121	80 - 120	8	22
Bromochloromethane			5.00	6.50	*+	ug/L		130	79 - 121	6	20
Bromodichloromethane			5.00	6.07		ug/L		121	74 - 131	7	21
Bromoform			5.00	5.28		ug/L		106	48 - 127	11	23
Bromomethane			5.00	4.96		ug/L		99	51 - 148	6	35
Carbon disulfide			5.00	6.22		ug/L		124	54 - 142	10	34
Carbon tetrachloride			5.00	6.00		ug/L		120	66 - 130	11	24
Chlorobenzene			5.00	5.08		ug/L		102	74 - 123	9	21
Chloroethane			5.00	5.40		ug/L		108	54 - 140	9	33
Chloroform			5.00	6.18	*+	ug/L		124	75 - 120	7	21
Chloromethane			5.00	5.09		ug/L		102	32 - 150	10	33
cis-1,2-Dichloroethene			5.00	6.19	*+	ug/L		124	72 - 120	8	22
cis-1,3-Dichloropropene			5.00	4.84		ug/L		97	77 - 131	6	24
Dibromochloromethane			5.00	5.53		ug/L		111	62 - 141	5	22
Dibromomethane			5.00	6.73		ug/L		135	65 - 141	8	22
Ethylbenzene			5.00	5.02		ug/L		100	80 - 124	7	22
m,p-Xylene			5.00	4.84		ug/L		97	75 - 124	8	22
Methyl iodide			5.00	4.39		ug/L		88	60 - 128	6	39
Methylene Chloride			5.00	6.31		ug/L		126	40 - 142	10	25
o-Xylene			5.00	4.89		ug/L		98	71 - 124	8	23
Styrene			5.00	4.83		ug/L		97	74 - 127	6	22
Tetrachloroethene			5.00	4.90		ug/L		98	75 - 124	5	20
Toluene			5.00	4.86		ug/L		97	80 - 126	8	20
trans-1,2-Dichloroethene			5.00	5.99		ug/L		120	69 - 121	13	27
trans-1,3-Dichloropropene			5.00	5.93		ug/L		119	71 - 138	6	26
trans-1,4-Dichloro-2-butene			5.00	5.43		ug/L		109	20 - 150	8	35
Trichloroethene			5.00	6.11	*+	ug/L		122	72 - 120	5	22
Trichlorofluoromethane			5.00	6.11		ug/L		122	60 - 132	6	32
Vinyl acetate			12.5	14.3		ug/L		114	38 - 150	13	35

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

Lab Sample ID: LCSD 580-453449/5
Matrix: Water
Analysis Batch: 453449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		80 - 120
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	108		80 - 120
Toluene-d8 (Surr)	93		80 - 120

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

Lab Sample ID: MB 580-454002/7
Matrix: Water
Analysis Batch: 454002

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		ug/L			03/17/24 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		03/17/24 00:19	1
1,2-Dichloroethane-d4 (Surr)	101		68 - 120		03/17/24 00:19	1
4-Bromofluorobenzene (Surr)	98		80 - 125		03/17/24 00:19	1
Dibromofluoromethane (Surr)	106		80 - 120		03/17/24 00:19	1

Lab Sample ID: LCS 580-454002/4
Matrix: Water
Analysis Batch: 454002

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	5.38		ug/L		108	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)	103		80 - 125
Dibromofluoromethane (Surr)	99		80 - 120

Lab Sample ID: LCSD 580-454002/5
Matrix: Water
Analysis Batch: 454002

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	5.60		ug/L		112	68 - 150	4	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		68 - 120
4-Bromofluorobenzene (Surr)	104		80 - 125
Dibromofluoromethane (Surr)	99		80 - 120

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-453657/14-B
Matrix: Water
Analysis Batch: 453922

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 453750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		03/13/24 15:10	03/14/24 16:57	1
Iron	ND		0.30		mg/L		03/13/24 15:10	03/14/24 16:57	1
Magnesium	ND		0.50		mg/L		03/13/24 15:10	03/14/24 16:57	1
Manganese	ND		0.020		mg/L		03/13/24 15:10	03/14/24 16:57	1
Potassium	ND		3.3		mg/L		03/13/24 15:10	03/14/24 16:57	1
Sodium	ND		0.50		mg/L		03/13/24 15:10	03/14/24 16:57	1

Lab Sample ID: LCS 580-453657/15-B
Matrix: Water
Analysis Batch: 453922

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 453750

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			20.0	18.8		mg/L		94	80 - 120		
Iron			20.0	20.1		mg/L		101	80 - 120		
Magnesium			20.0	20.0		mg/L		100	80 - 120		
Manganese			1.00	1.01		mg/L		101	80 - 120		
Potassium			20.0	19.5		mg/L		98	80 - 120		
Sodium			20.0	19.9		mg/L		100	80 - 120		

Lab Sample ID: LCSD 580-453657/16-B
Matrix: Water
Analysis Batch: 453922

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 453750

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			20.0	19.4		mg/L		97	80 - 120	4	20
Iron			20.0	19.5		mg/L		98	80 - 120	3	20
Magnesium			20.0	19.3		mg/L		96	80 - 120	4	20
Manganese			1.00	0.969		mg/L		97	80 - 120	4	20
Potassium			20.0	18.8		mg/L		94	80 - 120	4	20
Sodium			20.0	19.3		mg/L		96	80 - 120	3	20

Lab Sample ID: 580-137348-1 MS
Matrix: Water
Analysis Batch: 453922

Client Sample ID: 0324-01
Prep Type: Dissolved
Prep Batch: 453750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	91		20.0	113	4	mg/L		112	80 - 120		
Iron	ND		20.0	19.9		mg/L		99	80 - 120		
Magnesium	53		20.0	73.3		mg/L		102	80 - 120		
Manganese	0.087		1.00	1.08		mg/L		99	80 - 120		
Potassium	7.1		20.0	26.7		mg/L		98	80 - 120		
Sodium	29		20.0	48.9		mg/L		102	80 - 120		

Lab Sample ID: 580-137348-1 MSD
Matrix: Water
Analysis Batch: 453922

Client Sample ID: 0324-01
Prep Type: Dissolved
Prep Batch: 453750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	91		20.0	115	4	mg/L		119	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-137348-1 MSD
Matrix: Water
Analysis Batch: 453922

Client Sample ID: 0324-01
Prep Type: Dissolved
Prep Batch: 453750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		20.0	20.3		mg/L		102	80 - 120	2	20
Magnesium	53		20.0	74.9		mg/L		110	80 - 120	2	20
Manganese	0.087		1.00	1.10		mg/L		101	80 - 120	1	20
Potassium	7.1		20.0	27.2		mg/L		101	80 - 120	2	20
Sodium	29		20.0	50.0		mg/L		108	80 - 120	2	20

Lab Sample ID: 580-137348-4 MS
Matrix: Water
Analysis Batch: 453922

Client Sample ID: 0324-04
Prep Type: Dissolved
Prep Batch: 453750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	160		20.0	190	4	mg/L		172	80 - 120
Iron	ND		20.0	20.7		mg/L		103	80 - 120
Magnesium	78	F1	20.0	103	F1	mg/L		125	80 - 120
Manganese	0.39		1.00	1.43		mg/L		103	80 - 120
Potassium	7.9		20.0	28.3		mg/L		102	80 - 120
Sodium	34		20.0	56.8		mg/L		115	80 - 120

Lab Sample ID: 580-137348-4 MSD
Matrix: Water
Analysis Batch: 453922

Client Sample ID: 0324-04
Prep Type: Dissolved
Prep Batch: 453750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	160		20.0	177	4	mg/L		111	80 - 120	7	20
Iron	ND		20.0	19.5		mg/L		97	80 - 120	6	20
Magnesium	78	F1	20.0	95.9		mg/L		90	80 - 120	7	20
Manganese	0.39		1.00	1.34		mg/L		95	80 - 120	6	20
Potassium	7.9		20.0	26.7		mg/L		94	80 - 120	6	20
Sodium	34		20.0	53.2		mg/L		97	80 - 120	7	20

Lab Sample ID: 580-137348-1 DU
Matrix: Water
Analysis Batch: 453922

Client Sample ID: 0324-01
Prep Type: Dissolved
Prep Batch: 453750

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	91		93.9		mg/L		3	20
Iron	ND		ND		mg/L		NC	20
Magnesium	53		53.4		mg/L		0.9	20
Manganese	0.087		0.0873		mg/L		0.1	20
Potassium	7.1		7.06		mg/L		0.07	20
Sodium	29		28.7		mg/L		0.8	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-453424/12-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 453424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/08/24 15:26	03/14/24 02:32	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-453424/12-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 453424

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		03/08/24 15:26	03/14/24 02:32	1
Barium	ND		0.0012		mg/L		03/08/24 15:26	03/14/24 02:32	1
Beryllium	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 02:32	1
Cadmium	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 02:32	1
Chromium	ND		0.00080		mg/L		03/08/24 15:26	03/14/24 02:32	1
Cobalt	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 02:32	1
Copper	ND		0.0020		mg/L		03/08/24 15:26	03/14/24 02:32	1
Iron	ND		0.10		mg/L		03/08/24 15:26	03/14/24 02:32	1
Lead	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 02:32	1
Nickel	ND		0.0030		mg/L		03/08/24 15:26	03/14/24 02:32	1
Selenium	ND		0.0080		mg/L		03/08/24 15:26	03/14/24 02:32	1
Silver	ND		0.00040		mg/L		03/08/24 15:26	03/14/24 02:32	1
Thallium	ND		0.0010		mg/L		03/08/24 15:26	03/14/24 02:32	1
Vanadium	ND		0.0040		mg/L		03/08/24 15:26	03/14/24 02:32	1
Zinc	ND		0.0070		mg/L		03/08/24 15:26	03/14/24 02:32	1

Lab Sample ID: LCS 580-453424/13-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 453424

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.02		mg/L		102	80 - 120
Arsenic	1.00	1.02		mg/L		102	80 - 120
Barium	1.00	0.967		mg/L		97	80 - 120
Beryllium	1.00	0.981		mg/L		98	80 - 120
Cadmium	1.00	1.01		mg/L		101	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Cobalt	1.00	1.05		mg/L		105	80 - 120
Copper	1.00	1.04		mg/L		104	80 - 120
Iron	20.0	20.1		mg/L		101	80 - 120
Lead	1.00	1.08		mg/L		108	80 - 120
Nickel	1.00	1.06		mg/L		106	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	1.00	1.04		mg/L		104	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	1.00	1.02		mg/L		102	80 - 120
Zinc	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: LCSD 580-453424/14-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 453424

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	1.03		mg/L		103	80 - 120	1	20
Arsenic	1.00	1.02		mg/L		102	80 - 120	0	20
Barium	1.00	0.982		mg/L		98	80 - 120	2	20
Beryllium	1.00	1.02		mg/L		102	80 - 120	4	20
Cadmium	1.00	1.03		mg/L		103	80 - 120	2	20
Chromium	1.00	1.01		mg/L		101	80 - 120	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-453424/14-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 453424

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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	19.8		mg/L		99	80 - 120	2	20
Lead			1.00	1.09		mg/L		109	80 - 120	1	20
Nickel			1.00	1.05		mg/L		105	80 - 120	1	20
Selenium			1.00	1.07		mg/L		107	80 - 120	6	20
Silver			1.00	1.05		mg/L		105	80 - 120	1	20
Thallium			1.00	0.998		mg/L		100	80 - 120	2	20
Vanadium			1.00	1.02		mg/L		102	80 - 120	0	20
Zinc			1.00	1.05		mg/L		105	80 - 120	0	20

Lab Sample ID: MB 580-453539/21-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 453539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 15:13	1
Arsenic	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 15:13	1
Barium	ND		0.0012		mg/L		03/11/24 17:27	03/13/24 15:13	1
Beryllium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 15:13	1
Cadmium	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 15:13	1
Chromium	ND		0.00080		mg/L		03/11/24 17:27	03/13/24 15:13	1
Cobalt	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 15:13	1
Copper	ND		0.0020		mg/L		03/11/24 17:27	03/13/24 15:13	1
Iron	ND		0.10		mg/L		03/11/24 17:27	03/13/24 15:13	1
Lead	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 15:13	1
Nickel	ND		0.0030		mg/L		03/11/24 17:27	03/13/24 15:13	1
Selenium	ND		0.0080		mg/L		03/11/24 17:27	03/13/24 15:13	1
Silver	ND		0.00040		mg/L		03/11/24 17:27	03/13/24 15:13	1
Thallium	ND		0.0010		mg/L		03/11/24 17:27	03/13/24 15:13	1
Vanadium	ND		0.0040		mg/L		03/11/24 17:27	03/13/24 15:13	1
Zinc	ND		0.0070		mg/L		03/11/24 17:27	03/13/24 15:13	1

Lab Sample ID: LCS 580-453539/22-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 453539

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			1.00	1.05		mg/L		105	80 - 120		
Arsenic			1.00	1.03		mg/L		103	80 - 120		
Barium			1.00	1.06		mg/L		106	80 - 120		
Beryllium			1.00	1.01		mg/L		101	80 - 120		
Cadmium			1.00	1.04		mg/L		104	80 - 120		
Chromium			1.00	1.03		mg/L		103	80 - 120		
Cobalt			1.00	1.04		mg/L		104	80 - 120		
Copper			1.00	1.07		mg/L		107	80 - 120		
Iron			20.0	20.3		mg/L		102	80 - 120		
Lead			1.00	1.07		mg/L		107	80 - 120		
Nickel			1.00	1.06		mg/L		106	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-453539/22-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 453539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	1.00	1.10		mg/L		110	80 - 120
Silver	1.00	1.06		mg/L		106	80 - 120
Thallium	1.00	1.03		mg/L		103	80 - 120
Vanadium	1.00	1.02		mg/L		102	80 - 120
Zinc	1.00	1.04		mg/L		104	80 - 120

Lab Sample ID: LCSD 580-453539/23-A
Matrix: Water
Analysis Batch: 453802

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 453539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	1.07		mg/L		107	80 - 120	2	20
Arsenic	1.00	1.06		mg/L		106	80 - 120	2	20
Barium	1.00	1.08		mg/L		108	80 - 120	2	20
Beryllium	1.00	1.03		mg/L		103	80 - 120	2	20
Cadmium	1.00	1.07		mg/L		107	80 - 120	2	20
Chromium	1.00	1.04		mg/L		104	80 - 120	1	20
Cobalt	1.00	1.05		mg/L		105	80 - 120	1	20
Copper	1.00	1.06		mg/L		106	80 - 120	1	20
Iron	20.0	20.7		mg/L		103	80 - 120	2	20
Lead	1.00	1.07		mg/L		107	80 - 120	0	20
Nickel	1.00	1.07		mg/L		107	80 - 120	1	20
Selenium	1.00	1.11		mg/L		111	80 - 120	1	20
Silver	1.00	1.08		mg/L		108	80 - 120	2	20
Thallium	1.00	1.07		mg/L		107	80 - 120	5	20
Vanadium	1.00	1.04		mg/L		104	80 - 120	2	20
Zinc	1.00	1.04		mg/L		104	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-453334/3
Matrix: Water
Analysis Batch: 453334

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		mg/L			03/07/24 09:54	1
Chloride	ND		1.5		mg/L			03/07/24 09:54	1
Sulfate	ND		1.5		mg/L			03/07/24 09:54	1

Lab Sample ID: LCS 580-453334/4
Matrix: Water
Analysis Batch: 453334

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	4.93		mg/L		99	90 - 110
Chloride	50.0	52.1		mg/L		104	90 - 110
Sulfate	50.0	51.2		mg/L		102	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 580-453334/5
Matrix: Water
Analysis Batch: 453334

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	0	15
Chloride			50.0	52.2		mg/L		104	90 - 110	0	15
Sulfate			50.0	51.2		mg/L		102	90 - 110	0	15

Lab Sample ID: 580-137348-5 MS
Matrix: Water
Analysis Batch: 453334

Client Sample ID: 0324-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND	H	5.00	5.08		mg/L		100	90 - 110
Chloride	12	H	50.0	64.5		mg/L		104	90 - 110
Sulfate	23	H	50.0	74.4		mg/L		103	90 - 110

Lab Sample ID: 580-137348-5 MSD
Matrix: Water
Analysis Batch: 453334

Client Sample ID: 0324-05
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	H	5.00	5.11		mg/L		101	90 - 110	1	15
Chloride	12	H	50.0	64.6		mg/L		104	90 - 110	0	15
Sulfate	23	H	50.0	74.4		mg/L		103	90 - 110	0	15

Lab Sample ID: MB 580-453393/3
Matrix: Water
Analysis Batch: 453393

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		mg/L			03/06/24 11:16	1

Lab Sample ID: LCS 580-453393/4
Matrix: Water
Analysis Batch: 453393

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	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 580-453393/5
Matrix: Water
Analysis Batch: 453393

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	10.1		mg/L		101	90 - 110	0	15

Lab Sample ID: 580-137348-5 MS
Matrix: Water
Analysis Batch: 453393

Client Sample ID: 0324-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	ND		10.0	9.72		mg/L		97	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-137348-5 MSD
Matrix: Water
Analysis Batch: 453393

Client Sample ID: 0324-05
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	9.73		mg/L		97	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-421782/5-A
Matrix: Water
Analysis Batch: 421798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 421782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075	0.029	mg/L		03/19/24 09:34	03/19/24 12:18	1

Lab Sample ID: LCS 570-421782/6-A
Matrix: Water
Analysis Batch: 421798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 421782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.500	0.474		mg/L		95	90 - 110

Lab Sample ID: LCSD 570-421782/7-A
Matrix: Water
Analysis Batch: 421798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 421782

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.500	0.476		mg/L		95	90 - 110	0	20

Lab Sample ID: 580-137348-1 MS
Matrix: Water
Analysis Batch: 421798

Client Sample ID: 0324-01
Prep Type: Total/NA
Prep Batch: 421782

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	ND		0.500	0.473		mg/L		95	90 - 110

Lab Sample ID: 580-137348-1 MSD
Matrix: Water
Analysis Batch: 421798

Client Sample ID: 0324-01
Prep Type: Total/NA
Prep Batch: 421782

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND		0.500	0.506		mg/L		101	90 - 110	7	25

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-453766/2
Matrix: Water
Analysis Batch: 453766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	96.0		mg/L		96	85 - 115

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 580-453789/2
Matrix: Water
Analysis Batch: 453789

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	92.6		mg/L		93	85 - 115

Lab Sample ID: 580-137348-12 DU
Matrix: Water
Analysis Batch: 453789

Client Sample ID: 0324-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	330		334		mg/L		2	17
Bicarbonate Alkalinity as CaCO3	310		334		mg/L		7	20
Carbonate Alkalinity as CaCO3	15		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 580-453495/1
Matrix: Water
Analysis Batch: 453495

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			03/11/24 09:26	1

Lab Sample ID: LCS 580-453495/2
Matrix: Water
Analysis Batch: 453495

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	1030		mg/L		102	80 - 120

Lab Sample ID: 580-137348-12 DU
Matrix: Water
Analysis Batch: 453495

Client Sample ID: 0324-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	510		444		mg/L		13	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-453342/3-A
Matrix: Water
Analysis Batch: 453374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 453342

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	10	mg/L		03/07/24 16:17	03/07/24 19:05	1

Lab Sample ID: LCS 580-453342/4-A
Matrix: Water
Analysis Batch: 453374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 453342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	79.3		mg/L		106	80 - 120

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-453342/5-A
Matrix: Water
Analysis Batch: 453374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 453342

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	79.3		mg/L		106	80 - 120	0	20

Lab Sample ID: 580-137348-1 MS
Matrix: Water
Analysis Batch: 453374

Client Sample ID: 0324-01
Prep Type: Total/NA
Prep Batch: 453342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	ND		25.0	26.6		mg/L		106	75 - 125		

Lab Sample ID: 580-137348-1 DU
Matrix: Water
Analysis Batch: 453374

Client Sample ID: 0324-01
Prep Type: Total/NA
Prep Batch: 453342

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 570-421701/3
Matrix: Water
Analysis Batch: 421701

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			03/19/24 04:25	1

Lab Sample ID: LCS 570-421701/4
Matrix: Water
Analysis Batch: 421701

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	5.05		mg/L		100	85 - 115		

Lab Sample ID: LCSD 570-421701/5
Matrix: Water
Analysis Batch: 421701

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	4.94		mg/L		98	85 - 115	2	15

Lab Chronicle

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-01
Date Collected: 03/05/24 09:28
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 07:10
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 01:06
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 17:07
Total Recoverable	Prep	3005A			453424	AUA	EET SEA	03/08/24 15:26
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/14/24 03:14
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 17:47
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 11:13
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 12:51
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 16:03
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 13:28

Client Sample ID: 0324-02
Date Collected: 03/05/24 10:23
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 07:33
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 01:29
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 17:34
Total Recoverable	Prep	3005A			453424	AUA	EET SEA	03/08/24 15:26
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/14/24 03:16
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 18:10
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 11:25
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 12:52
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 16:03
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 12:27

Lab Chronicle

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-03
Date Collected: 03/05/24 11:29
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 07:56
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 01:52

Client Sample ID: 0324-04
Date Collected: 03/05/24 09:45
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 08:19
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 02:16
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 17:38
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 16:10
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 18:34
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 11:37
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 12:54
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 16:03
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 10:26

Client Sample ID: 0324-05
Date Collected: 03/05/24 11:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 08:43
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 02:39
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 17:47
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 16:13
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 18:46
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 11:49
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 12:56
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 16:03
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26

Client Sample ID: 0324-05
Lab Sample ID: 580-137348-5
Date Collected: 03/05/24 11:20
Matrix: Water
Date Received: 03/06/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 09:59

Client Sample ID: 0324-06
Lab Sample ID: 580-137348-6
Date Collected: 03/05/24 12:14
Matrix: Water
Date Received: 03/06/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 09:06
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 03:02
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 17:51
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 16:16
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 18:57
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 12:00
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 12:58
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 18:19
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 09:33

Client Sample ID: 0324-07
Lab Sample ID: 580-137348-7
Date Collected: 03/05/24 13:07
Matrix: Water
Date Received: 03/06/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 09:29
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 03:25

Client Sample ID: 0324-08
Lab Sample ID: 580-137348-8
Date Collected: 03/05/24 12:43
Matrix: Water
Date Received: 03/06/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 09:52
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 03:48
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 17:54

Lab Chronicle

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-08
Lab Sample ID: 580-137348-8
Date Collected: 03/05/24 12:43
Matrix: Water
Date Received: 03/06/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 18:38
Total/NA	Analysis	300.0		5	453393	CA	EET SEA	03/06/24 19:21
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 12:12
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 13:00
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 18:19
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 09:07

Client Sample ID: 0324-09
Lab Sample ID: 580-137348-9
Date Collected: 03/05/24 13:00
Matrix: Water
Date Received: 03/06/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 10:16
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 04:12
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 17:57
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 18:41
Total/NA	Analysis	300.0		10	453393	CA	EET SEA	03/06/24 19:56
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 12:24
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 13:02
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 18:19
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 08:41

Client Sample ID: 0324-10
Lab Sample ID: 580-137348-10
Date Collected: 03/05/24 14:33
Matrix: Water
Date Received: 03/06/24 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 10:39
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 05:21
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 18:12

Lab Chronicle

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-10
Date Collected: 03/05/24 14:33
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	454043	TMH	EET SEA	03/15/24 20:32
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 18:44
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 20:08
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 12:36
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 13:03
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 18:19
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:26
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:17
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 08:15

Client Sample ID: 0324-11
Date Collected: 03/05/24 10:20
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453371	JBT	EET SEA	03/08/24 11:02
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 04:35
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 18:15
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	454043	TMH	EET SEA	03/15/24 20:35
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 18:46
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 20:19
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 12:48
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 13:05
Total/NA	Analysis	SM 2320B		1	453766	MLT	EET SEA	03/13/24 18:19
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:55
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:23
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 07:49

Lab Chronicle

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0324-12
Date Collected: 03/05/24 13:30
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453449	K1K	EET SEA	03/09/24 00:26
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 04:58
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	453922	JLS	EET SEA	03/14/24 18:19
Dissolved	Filtration	FILTRATION			453657	JL	EET SEA	03/12/24 17:53
Dissolved	Prep	3005A			453750	AUA	EET SEA	03/13/24 15:08
Dissolved	Analysis	6010D		1	454043	TMH	EET SEA	03/15/24 20:38
Total Recoverable	Prep	3005A			453539	MJ	EET SEA	03/11/24 17:27
Total Recoverable	Analysis	6020B		1	453802	FCW	EET SEA	03/13/24 18:49
Total/NA	Analysis	300.0		1	453393	CA	EET SEA	03/06/24 20:31
Total/NA	Analysis	300.0		1	453334	CA	EET SEA	03/07/24 13:00
Total/NA	Prep	Distill/Ammonia			421782	UXCH	EET CAL 4	03/19/24 09:34
Total/NA	Analysis	350.1		1	421798	UXCH	EET CAL 4	03/19/24 13:07
Total/NA	Analysis	SM 2320B		1	453789	MLT	EET SEA	03/13/24 18:53
Total/NA	Analysis	SM 2540C		1	453495	AUA	EET SEA	03/11/24 09:55
Total/NA	Prep	SM 5220			453342	MLT	EET SEA	03/07/24 16:23
Total/NA	Analysis	SM 5220D		1	453374	MLT	EET SEA	03/07/24 19:05
Total/NA	Analysis	SM 5310D		1	421701	ZL4M	EET CAL 4	03/19/24 07:24

Client Sample ID: Trip Blanks
Date Collected: 03/05/24 14:00
Date Received: 03/06/24 11:15

Lab Sample ID: 580-137348-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	453449	K1K	EET SEA	03/08/24 21:20
Total/NA	Analysis	8260D SIM		1	454002	JBT	EET SEA	03/17/24 00:43

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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

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	Nitrate Nitrite as N
300.0		Water	Sulfate
8260D SIM		Water	Vinyl chloride
SM 2320B		Water	Alkalinity
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity as CaCO3
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	11-16-24
California	Los Angeles County Sanitation Districts	10109	08-01-24
California	State	3082	07-31-24
Kansas	NELAP	E-10420	08-01-24
Nevada	State	CA00111	07-31-24
Oregon	NELAP	4175	02-03-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

Sample Summary

Client: SCS Engineers
Job ID: 580-137348-1
Project/Site: Coupeville SW Facility GW Q2 2022

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-137348-1	0324-01	Water	03/05/24 09:28	03/06/24 11:15
580-137348-2	0324-02	Water	03/05/24 10:23	03/06/24 11:15
580-137348-3	0324-03	Water	03/05/24 11:29	03/06/24 11:15
580-137348-4	0324-04	Water	03/05/24 09:45	03/06/24 11:15
580-137348-5	0324-05	Water	03/05/24 11:20	03/06/24 11:15
580-137348-6	0324-06	Water	03/05/24 12:14	03/06/24 11:15
580-137348-7	0324-07	Water	03/05/24 13:07	03/06/24 11:15
580-137348-8	0324-08	Water	03/05/24 12:43	03/06/24 11:15
580-137348-9	0324-09	Water	03/05/24 13:00	03/06/24 11:15
580-137348-10	0324-10	Water	03/05/24 14:33	03/06/24 11:15
580-137348-11	0324-11	Water	03/05/24 10:20	03/06/24 11:15
580-137348-12	0324-12	Water	03/05/24 13:30	03/06/24 11:15
580-137348-13	Trip Blanks	Water	03/05/24 14:00	03/06/24 11:15

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: JE	Lab PM: Katie Grant	Carrier Tracking No(s):	COC No:
Client Contact: Dan Venchiarutti	Phone: 425-507-6703	E-Mail: jestrada@scsengineers.com	State of Origin: WA	Page: 1 of 1
Company: SCS Engineer	PWSID:			Job #: 04223020.04
Address: 2405 140th Ave. NE	Due Date Requested:			
City: Bellevue	TAT Requested (days):			
State, Zip: WA, 98005	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order not required			
Email:	WO #:			
Project Name: CSWF	Project #:			
Site:	SSOW#:			

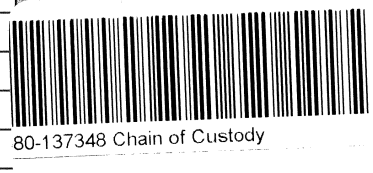
Analysis Requested

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, Z - other (specify)

Other:

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)	350.1 - Ammonia	5220D - COD	300.0_28D - Chloride, Fluoride, Sulfate	2320B - Alkalinity, Carbonate, Bicarbonate	300_48HR - Nitrate/Nitrite	6020B_LL - Total Metals	2010D - Field Filtered Metals	415.1 - TOC	2540C - Solids, Total Dissolved (TDS)	8260D_SIM_AK - Vinyl Chloride	8260D_LL - (MOD) Volatiles, Custom list, low level			Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
0324-01	3/5/24	0928	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-02	3/5/24	1023	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-03	3/5/24	1129	G	W	Y	N										X	X				
0324-04	3/5/24	0945	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-05	3/5/24	1120	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-06	3/5/24	1214	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-07	3/5/24	1307	G	W	Y	N										X	X				
0324-08	3/5/24	1243	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-09	3/5/24	1300	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-10	3/5/24	1433	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-11	3/5/24	1020	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
0324-12	3/5/24	1330	G	W	Y	N	X	X	X	X	X	X	X	X	X	X	X				
Trip Blanks	3/5/24	1400	G	W	N	N										X	X				



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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	3/6/24 1115	SCS	[signature]	3/6/24 1115	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:

Ver: 01/16/2019

3/21/2024 (Rev. 1)

1

Therm. ID: Dig IR11 Cust. Seal: Y / N
Uncorr./Corr. Temp: 4.2 / 4.3 °C
Delivery: UPS / FedEx / Other: Courier
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: None

2

Therm. ID: Dig IR11 Cust. Seal: Y / N
Uncorr./Corr. Temp: 0.5 / 0.6 °C
Delivery: UPS / FedEx / Other: Courier
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: Bub

3

Therm. ID: Dig IR11 Cust. Seal: Y / N
Uncorr./Corr. Temp: 3.4 / 3.5 °C
Delivery: UPS / FedEx / Other: Courier
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: Bub

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone 253-922-2310

Chain of Custody Record

eurofins

Loc 580
137348

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-130758.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State Washington		Job #: 580-137348-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 3/19/2024			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q2 2022	Project #: 58017834			
Site:	SSOW#:			

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)
Other:

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)	SM5310D/ Total Organic Carbon	350.1/Distill_Ammonia (MOD) Copy Analytes	Total Number of containers	Special Instr
			Preservation Code:							
0324-01 (580-137348-1)	3/5/24	09:28 Pacific		Water			X	X	1	
0324-02 (580-137348-2)	3/5/24	10:23 Pacific		Water			X	X	1	
0324-04 (580-137348-4)	3/5/24	09:45 Pacific		Water			X	X	1	
0324-05 (580-137348-5)	3/5/24	11:20 Pacific		Water			X	X	1	
0324-06 (580-137348-6)	3/5/24	12:14 Pacific		Water			X	X	1	
0324-08 (580-137348-8)	3/5/24	12:43 Pacific		Water			X	X	1	
0324-09 (580-137348-9)	3/5/24	13:00 Pacific		Water			X	X	1	
0324-10 (580-137348-10)	3/5/24	14:33 Pacific		Water			X	X	1	
0324-11 (580-137348-11)	3/5/24	10:20 Pacific		Water			X	X	1	

580-137348 Chain of Custody

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:	Company
	[signature] (FedEx)	3/8/24 1415	ET N			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				[signature]	3.9.24 9 45	
	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: 0.3/0.3 SCR

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-130758.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State Washington		Job #: 580-137348-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 3/19/2024			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q2 2022	Project #: 58017834			
Site:	SSOW#:			

Analysis Requested

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:

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)	SM5310D/ Total Organic Carbon	350.1/Distill_Ammonia (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note
			Preservation Code:							
0324-12 (580-137348-12)	3/5/24	13:30 Pacific		Water			X	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 *Unconfirmed*	***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) Primary Deliverable Rank. 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time: 3/6/24 1115	Company: EETN	Received by:	Date/Time:	Company
Relinquished by: FedEx	Date/Time:	Company	Received by:	Date/Time: 3.9.24 9:45	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: 03/03 SCR

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-137348-1

Login Number: 137348
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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: 580-137348-1

Login Number: 137348
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 03/11/24 04:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2372782
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	0.3
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?	N/A	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

SECOND QTR. 2024 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04224035.24	**Site Name**	Island County Coupeville SWF
Data Validator	Jovany Estrada	**Data Level**	Level 2
Date	8/15/2024	**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)
580-140344-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA
580-140446-3	See case narrative.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-140344-1	X	X	X	X	X	X
580-140446-1	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	580-140344-1	N/A	See detailed results below.

Trip Blank	580-140344-1	N/A	See detailed results below.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
*-	LCS and/or LCSD is outside acceptance limits, low biased.	580-140344-1
E	Result exceeded calibration range.	580-140344-1
*1	LCS/LCSD RPD exceeds control limits.	580-140344-1
*+	LCS and/or LCSD is outside acceptance limits, high biased.	580-140446-1
S1+	Surrogate recovery exceeds control limits, high biased.	580-140446-1
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.	580-140446-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)	N3D	N3D (Dup)	RPD (%)
Alkalinity	mg/L	380	370	2.7	230	230	0
Arsenic	mg/L	0.003	0.0031	3.3	0.0087	0.0087	0
Barium	mg/L	0.027	0.028	3.6	0.031	0.028	10.2
Bicarbonate	mg/L	380	370	2.7	230	230	0
Calcium	mg/L	100	99	1	71	67	5.8
Chloride	mg/L	75	75	0	38	37	2.7
Iron	mg/L	0.1U	0.1U	0	0.25	0.22	12.8
Magnesium	mg/L	71	70	1.4	29	27	7.1
Manganese	mg/L	0.021	0.02 U	4.9	0.031	0.03	3.3
Nickel	mg/L	0.0045	0.0048	6.5	0.003 U	0.003 U	0.0
Nitrate/Nitrite, Total	mg/L	1.8	3.2	56	0.15 U	0.15 U	0.0
Potassium	mg/L	8.4	8.2	2.4	6.3	6.1	3.2
Sodium	mg/L	41	40	2.5	22	21	4.7
Sulfate	mg/L	73	72	1.4	27	26	3.8
Total Dissolved Solids	mg/L	630	660	4.7	430	360	17.7
Total Organic Carbon	mg/L	2.2	2.1	4.7	0.98	0.92	6.3
Trichlorofluoromethane	mg/L	0.59	0.66	11.2	0.5 U	0.5 U	0

* 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.

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/4/2024 4:38:58 PM

JOB DESCRIPTION

Coupeville SW Facility GW Q2 2022

JOB NUMBER

580-140344-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

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



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6/4/2024 4:38:58 PM

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

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Job Narrative
580-140344-1

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 5/22/2024 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 3.4°C, 5.1°C, 5.3°C, 5.7°C and 7.1°C.

Receipt Exceptions
Nitric Containers not noted that they have been field filtered on container COC lists 6010 (FF) and 6020 LL as (Not FF) labeled in reference to the COC. 0524-02 (580-140344-1), 0524-03 (580-140344-2), 0524-04 (580-140344-3), 0524-05 (580-140344-4), 0524-06 (580-140344-5), 0524-07 (580-140344-6), 0524-08 (580-140344-7), 0524-11 (580-140344-8), 0524-16 (580-140344-9), 0524-17 (580-140344-10), 0524-18 (580-140344-11), 0524-19 (580-140344-12), 0524-20 (580-140344-13), 0524-21 (580-140344-14), 0524-22 (580-140344-15), 0524-26 (580-140344-16), 0524-27 (580-140344-17), 0524-28 (580-140344-18), 0524-29 (580-140344-19) and Trip Blanks (580-140344-20)
<&commaMerge&>

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): 0524-06 (580-140344-5), 0524-08 (580-140344-7) and 0524-16 (580-140344-9).

Sample 5, the container labels list Time sampled 1001, while the COC lists 1013.

Sample 7, the container labels list Time sampled 1050, while the COC lists 1120.

Sample 9, the container labels list Time sampled 1403, while the COC lists 1603.

Logged in reference to the COC pending client verification. 0524-06 (580-140344-5), 0524-08 (580-140344-7) and 0524-16 (580-140344-9)

GC/MS VOA
Method 8260D_SIM_AK: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-460640 recovered outside control limits for the following analytes: Vinyl chloride.

Method 8260D_SIM_AK: The laboratory control sample duplicate (LCSD) for analytical batch 580-460640 recovered outside the lower control limit for the following analytes: Vinyl chloride. Matrix spike (MS) and matrix spike duplicate (MSD) recovered within control limit for Vinyl chloride and all other batch QC was within control limits; therefore, the data have been reported. The following samples are affected: 0524-02 (580-140344-1), 0524-03 (580-140344-2), 0524-06 (580-140344-5), 0524-07 (580-140344-6), 0524-08 (580-140344-7), 0524-11 (580-140344-8), 0524-16 (580-140344-9), 0524-17 (580-140344-10), 0524-18 (580-140344-11), 0524-19 (580-140344-12), 0524-20 (580-140344-13), 0524-21 (580-140344-14), 0524-22 (580-140344-15), 0524-26 (580-140344-16), 0524-27 (580-140344-17), 0524-28 (580-140344-18), 0524-29 (580-140344-19), Trip Blanks (580-140344-20), (LCS 580-460640/29), (LCSD 580-460640/5), (580-140328-B-1), (580-140328-A-1 MS) and (580-140328-B-1 MSD).

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

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

Job ID: 580-140344-1 (Continued) Eurofins Seattle

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
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.

Metals

Qualifier	Qualifier Description
E	Result exceeded calibration range.

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: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-02
Lab Sample ID: 580-140344-1
Date Collected: 05/21/24 14:02
Matrix: Water
Date Received: 05/22/24 17:00

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		ug/L			05/28/24 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/28/24 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 120*		*05/28/24 16:31*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 16:31*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*05/28/24 16:31*	*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		ug/L			05/24/24 14:06	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 14:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 14:06	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 14:06	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 14:06	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 14:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 14:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 14:06	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 14:06	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 14:06	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 14:06	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 14:06	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 14:06	1
2-Butanone	ND		10		ug/L			05/24/24 14:06	1
2-Hexanone	ND		3.0		ug/L			05/24/24 14:06	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 14:06	1
Acetone	ND		10		ug/L			05/24/24 14:06	1
Acrylonitrile	ND		10		ug/L			05/24/24 14:06	1
Benzene	ND		0.20		ug/L			05/24/24 14:06	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 14:06	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 14:06	1
Bromoform	ND		0.50		ug/L			05/24/24 14:06	1
Bromomethane	ND		0.50		ug/L			05/24/24 14:06	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 14:06	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 14:06	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 14:06	1
Chloroethane	ND		0.50		ug/L			05/24/24 14:06	1
Chloroform	ND		0.20		ug/L			05/24/24 14:06	1
Chloromethane	ND		0.50		ug/L			05/24/24 14:06	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 14:06	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 14:06	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 14:06	1
Dibromomethane	ND		0.20		ug/L			05/24/24 14:06	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 14:06	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 14:06	1
Methyl iodide	ND		1.0		ug/L			05/24/24 14:06	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 14:06	1
o-Xylene	ND		0.50		ug/L			05/24/24 14:06	1
Styrene	ND		1.0		ug/L			05/24/24 14:06	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 14:06	1

Client Sample ID: 0524-02

Date Collected: 05/21/24 14:02
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-1

Matrix: Water

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		ug/L			05/24/24 14:06	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 14:06	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 14:06	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 14:06	1
Trichloroethene	ND		0.20		ug/L			05/24/24 14:06	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 14:06	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/24/24 14:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/24/24 14:06*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/24/24 14:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/24 14:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**65**		0.50		mg/L		05/28/24 17:25	05/29/24 13:31	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 13:31	1
Magnesium	**43**		0.50		mg/L		05/28/24 17:25	05/29/24 13:31	1
Manganese	**0.30**		0.020		mg/L		05/28/24 17:25	05/29/24 13:31	1
Potassium	**6.5**		3.3		mg/L		05/28/24 17:25	05/29/24 13:31	1
Sodium	**26**		0.50		mg/L		05/28/24 17:25	05/29/24 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		mg/L		05/29/24 16:01	05/30/24 16:56	1
Arsenic	**0.0067**		0.0010		mg/L		05/29/24 16:01	05/30/24 16:56	1
Barium	**0.030**		0.0012		mg/L		05/29/24 16:01	05/30/24 16:56	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:56	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:56	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 16:56	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:56	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 16:56	1
Iron	ND		0.10		mg/L		05/29/24 16:01	05/30/24 16:56	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:56	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 16:56	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 16:56	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:56	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 16:56	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 16:56	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 16:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 11:45	1
Chloride (EPA 300.0)	**34**		1.5		mg/L			05/23/24 11:45	1
Sulfate (EPA 300.0)	**15**		1.5		mg/L			05/23/24 11:45	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:15	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/24/24 16:32	1
Carbon, Total Organic (SM 5310D)	**1.4**		0.50		mg/L			06/01/24 10:11	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-02
Lab Sample ID: 580-140344-1
Date Collected: 05/21/24 14:02
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**290**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**290**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**420**		10		mg/L			05/24/24 15:12	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-03
Date Collected: 05/21/24 12:57
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-2
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		ug/L			05/28/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/28/24 16:55*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 16:55*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*05/28/24 16:55*	*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		ug/L			05/24/24 14:29	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 14:29	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 14:29	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 14:29	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 14:29	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 14:29	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 14:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 14:29	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 14:29	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 14:29	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 14:29	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 14:29	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 14:29	1
2-Butanone	ND		10		ug/L			05/24/24 14:29	1
2-Hexanone	ND		3.0		ug/L			05/24/24 14:29	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 14:29	1
Acetone	ND		10		ug/L			05/24/24 14:29	1
Acrylonitrile	ND		10		ug/L			05/24/24 14:29	1
Benzene	ND		0.20		ug/L			05/24/24 14:29	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 14:29	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 14:29	1
Bromoform	ND		0.50		ug/L			05/24/24 14:29	1
Bromomethane	ND		0.50		ug/L			05/24/24 14:29	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 14:29	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 14:29	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 14:29	1
Chloroethane	ND		0.50		ug/L			05/24/24 14:29	1
Chloroform	ND		0.20		ug/L			05/24/24 14:29	1
Chloromethane	ND		0.50		ug/L			05/24/24 14:29	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 14:29	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 14:29	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 14:29	1
Dibromomethane	ND		0.20		ug/L			05/24/24 14:29	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 14:29	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 14:29	1
Methyl iodide	ND		1.0		ug/L			05/24/24 14:29	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 14:29	1
o-Xylene	ND		0.50		ug/L			05/24/24 14:29	1
Styrene	ND		1.0		ug/L			05/24/24 14:29	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 14:29	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-03

Date Collected: 05/21/24 12:57
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-2

Matrix: Water

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		ug/L			05/24/24 14:29	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 14:29	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 14:29	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 14:29	1
Trichloroethene	ND		0.20		ug/L			05/24/24 14:29	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 14:29	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/24/24 14:29*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/24/24 14:29*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*05/24/24 14:29*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 14:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**180**		0.50		mg/L		05/28/24 17:25	05/29/24 14:10	1
Iron	**2.6**		0.30		mg/L		05/28/24 17:25	05/29/24 14:10	1
Magnesium	**90**		0.50		mg/L		05/28/24 17:25	05/29/24 14:10	1
Manganese	**0.35**		0.020		mg/L		05/28/24 17:25	05/29/24 14:10	1
Potassium	**8.7**		3.3		mg/L		05/28/24 17:25	05/29/24 14:10	1
Sodium	**37**		0.50		mg/L		05/28/24 17:25	05/29/24 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:14	1
Arsenic	**0.0066**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:14	1
Barium	**0.085**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:14	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:14	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:14	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:14	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:14	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:14	1
Iron	**2.2**	**E**	0.10		mg/L		05/29/24 16:01	05/30/24 17:14	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:14	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:14	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:14	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:14	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:14	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:14	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 11:09	1
Chloride (EPA 300.0)	**28**		1.5		mg/L			05/23/24 11:09	1
Sulfate (EPA 300.0)	**39**		1.5		mg/L			05/23/24 11:09	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:16	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/24/24 16:34	1
Carbon, Total Organic (SM 5310D)	**2.3**		0.50		mg/L			06/01/24 10:37	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-03
Lab Sample ID: 580-140344-2
Date Collected: 05/21/24 12:57
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**710**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**710**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**940**		10		mg/L			05/24/24 15:12	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-04
Date Collected: 05/22/24 11:17
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-3
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		ug/L			05/31/24 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/31/24 16:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/31/24 16:36*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 125*		*05/31/24 16:36*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 120*		*05/31/24 16:36*	*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		ug/L			05/24/24 14:53	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 14:53	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 14:53	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 14:53	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 14:53	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 14:53	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 14:53	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 14:53	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 14:53	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 14:53	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 14:53	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 14:53	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 14:53	1
2-Butanone	ND		10		ug/L			05/24/24 14:53	1
2-Hexanone	ND		3.0		ug/L			05/24/24 14:53	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 14:53	1
Acetone	ND		10		ug/L			05/24/24 14:53	1
Acrylonitrile	ND		10		ug/L			05/24/24 14:53	1
Benzene	ND		0.20		ug/L			05/24/24 14:53	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 14:53	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 14:53	1
Bromoform	ND		0.50		ug/L			05/24/24 14:53	1
Bromomethane	ND		0.50		ug/L			05/24/24 14:53	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 14:53	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 14:53	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 14:53	1
Chloroethane	ND		0.50		ug/L			05/24/24 14:53	1
Chloroform	ND		0.20		ug/L			05/24/24 14:53	1
Chloromethane	ND		0.50		ug/L			05/24/24 14:53	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 14:53	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 14:53	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 14:53	1
Dibromomethane	ND		0.20		ug/L			05/24/24 14:53	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 14:53	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 14:53	1
Methyl iodide	ND		1.0		ug/L			05/24/24 14:53	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 14:53	1
o-Xylene	ND		0.50		ug/L			05/24/24 14:53	1
Styrene	ND		1.0		ug/L			05/24/24 14:53	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 14:53	1

Client Sample ID: 0524-04
Date Collected: 05/22/24 11:17
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-3
Matrix: Water

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		ug/L			05/24/24 14:53	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 14:53	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 14:53	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 14:53	1
Trichloroethene	ND		0.20		ug/L			05/24/24 14:53	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 14:53	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/24/24 14:53*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/24/24 14:53*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*05/24/24 14:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 14:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**68**		0.50		mg/L		05/28/24 17:25	05/29/24 14:13	1
Iron	**1.7**		0.30		mg/L		05/28/24 17:25	05/29/24 14:13	1
Magnesium	**37**		0.50		mg/L		05/28/24 17:25	05/29/24 14:13	1
Manganese	**0.55**		0.020		mg/L		05/28/24 17:25	05/29/24 14:13	1
Potassium	**6.2**		3.3		mg/L		05/28/24 17:25	05/29/24 14:13	1
Sodium	**34**		0.50		mg/L		05/28/24 17:25	05/29/24 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:16	1
Arsenic	**0.0020**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:16	1
Barium	**0.079**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:16	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:16	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:16	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:16	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:16	1
Copper	**0.0039**		0.0020		mg/L		05/29/24 16:01	05/30/24 17:16	1
Iron	**1.8**		0.10		mg/L		05/29/24 16:01	05/30/24 17:16	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:16	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:16	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:16	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:16	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:16	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:16	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 14:56	1
Chloride (EPA 300.0)	**17**		1.5		mg/L			05/23/24 14:56	1
Sulfate (EPA 300.0)	**29**		1.5		mg/L			05/23/24 14:56	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:18	1
Nitrate Nitrite as N (EPA 353.2)	**0.15**		0.15		mg/L			05/24/24 16:35	1
Carbon, Total Organic (SM 5310D)	**1.3**		0.50		mg/L			06/01/24 11:03	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-04
Lab Sample ID: 580-140344-3
Date Collected: 05/22/24 11:17
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**310**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**310**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**520**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-05
Date Collected: 05/22/24 10:13
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-4
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		ug/L			05/31/24 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/31/24 16:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 120*		*05/31/24 16:59*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 125*		*05/31/24 16:59*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*05/31/24 16:59*	*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		ug/L			05/24/24 15:16	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 15:16	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 15:16	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 15:16	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 15:16	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 15:16	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 15:16	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 15:16	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 15:16	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 15:16	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 15:16	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 15:16	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 15:16	1
2-Butanone	ND		10		ug/L			05/24/24 15:16	1
2-Hexanone	ND		3.0		ug/L			05/24/24 15:16	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 15:16	1
Acetone	ND		10		ug/L			05/24/24 15:16	1
Acrylonitrile	ND		10		ug/L			05/24/24 15:16	1
Benzene	ND		0.20		ug/L			05/24/24 15:16	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 15:16	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 15:16	1
Bromoform	ND		0.50		ug/L			05/24/24 15:16	1
Bromomethane	ND		0.50		ug/L			05/24/24 15:16	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 15:16	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 15:16	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 15:16	1
Chloroethane	ND		0.50		ug/L			05/24/24 15:16	1
Chloroform	ND		0.20		ug/L			05/24/24 15:16	1
Chloromethane	ND		0.50		ug/L			05/24/24 15:16	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 15:16	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 15:16	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 15:16	1
Dibromomethane	ND		0.20		ug/L			05/24/24 15:16	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 15:16	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 15:16	1
Methyl iodide	ND		1.0		ug/L			05/24/24 15:16	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 15:16	1
o-Xylene	ND		0.50		ug/L			05/24/24 15:16	1
Styrene	ND		1.0		ug/L			05/24/24 15:16	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 15:16	1

Client Sample ID: 0524-05
Date Collected: 05/22/24 10:13
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-4
Matrix: Water

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		ug/L			05/24/24 15:16	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 15:16	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 15:16	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 15:16	1
Trichloroethene	ND		0.20		ug/L			05/24/24 15:16	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 15:16	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/24/24 15:16*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/24/24 15:16*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/24/24 15:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 15:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**27**		0.50		mg/L		05/28/24 17:25	05/29/24 14:17	1
Iron	**2.3**		0.30		mg/L		05/28/24 17:25	05/29/24 14:17	1
Magnesium	**4.7**		0.50		mg/L		05/28/24 17:25	05/29/24 14:17	1
Manganese	**0.20**		0.020		mg/L		05/28/24 17:25	05/29/24 14:17	1
Potassium	ND		3.3		mg/L		05/28/24 17:25	05/29/24 14:17	1
Sodium	**11**		0.50		mg/L		05/28/24 17:25	05/29/24 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:18	1
Arsenic	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:18	1
Barium	**0.047**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:18	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:18	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:18	1
Chromium	**0.0036**		0.00080		mg/L		05/29/24 16:01	05/30/24 17:18	1
Cobalt	**0.00066**		0.00040		mg/L		05/29/24 16:01	05/30/24 17:18	1
Copper	**0.010**		0.0020		mg/L		05/29/24 16:01	05/30/24 17:18	1
Iron	**1.9**		0.10		mg/L		05/29/24 16:01	05/30/24 17:18	1
Lead	**0.0044**		0.00040		mg/L		05/29/24 16:01	05/30/24 17:18	1
Nickel	**0.0035**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:18	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:18	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:18	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:18	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:18	1
Zinc	**0.27**		0.0070		mg/L		05/29/24 16:01	05/30/24 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 14:44	1
Chloride (EPA 300.0)	**10**		1.5		mg/L			05/23/24 14:44	1
Sulfate (EPA 300.0)	ND		1.5		mg/L			05/23/24 14:44	1
Ammonia (EPA 350.1)	**0.99**		0.075		mg/L		06/03/24 09:05	06/03/24 12:31	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/24/24 16:37	1
Carbon, Total Organic (SM 5310D)	**5.1**		1.0		mg/L			06/01/24 11:29	2

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-05
Lab Sample ID: 580-140344-4
Date Collected: 05/22/24 10:13
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**93**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**93**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**120**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	**10**		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-06
Lab Sample ID: 580-140344-5
Date Collected: 05/21/24 15:25
Matrix: Water
Date Received: 05/22/24 17:00

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		ug/L			05/28/24 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 21:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 120*		*05/28/24 21:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 21:57*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 21:57*	*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		ug/L			05/24/24 15:39	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 15:39	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 15:39	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 15:39	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 15:39	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 15:39	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 15:39	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 15:39	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 15:39	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 15:39	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 15:39	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 15:39	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 15:39	1
2-Butanone	ND		10		ug/L			05/24/24 15:39	1
2-Hexanone	ND		3.0		ug/L			05/24/24 15:39	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 15:39	1
Acetone	ND		10		ug/L			05/24/24 15:39	1
Acrylonitrile	ND		10		ug/L			05/24/24 15:39	1
Benzene	ND		0.20		ug/L			05/24/24 15:39	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 15:39	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 15:39	1
Bromoform	ND		0.50		ug/L			05/24/24 15:39	1
Bromomethane	ND		0.50		ug/L			05/24/24 15:39	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 15:39	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 15:39	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 15:39	1
Chloroethane	ND		0.50		ug/L			05/24/24 15:39	1
Chloroform	ND		0.20		ug/L			05/24/24 15:39	1
Chloromethane	ND		0.50		ug/L			05/24/24 15:39	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 15:39	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 15:39	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 15:39	1
Dibromomethane	ND		0.20		ug/L			05/24/24 15:39	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 15:39	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 15:39	1
Methyl iodide	ND		1.0		ug/L			05/24/24 15:39	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 15:39	1
o-Xylene	ND		0.50		ug/L			05/24/24 15:39	1
Styrene	ND		1.0		ug/L			05/24/24 15:39	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 15:39	1

Client Sample ID: 0524-06
Date Collected: 05/21/24 15:25
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-5
Matrix: Water

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		ug/L			05/24/24 15:39	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 15:39	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 15:39	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 15:39	1
Trichloroethene	ND		0.20		ug/L			05/24/24 15:39	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 15:39	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/24/24 15:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/24/24 15:39*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/24/24 15:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 15:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**55**		0.50		mg/L		05/28/24 17:25	05/29/24 13:59	1
Iron	**1.4**		0.30		mg/L		05/28/24 17:25	05/29/24 13:59	1
Magnesium	**31**		0.50		mg/L		05/28/24 17:25	05/29/24 13:59	1
Manganese	**0.33**		0.020		mg/L		05/28/24 17:25	05/29/24 13:59	1
Potassium	**5.3**		3.3		mg/L		05/28/24 17:25	05/29/24 13:59	1
Sodium	**25**		0.50		mg/L		05/28/24 17:25	05/29/24 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		mg/L		05/29/24 16:01	05/30/24 17:25	1
Arsenic	**0.0073**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:25	1
Barium	**0.069**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:25	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:25	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:25	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:25	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:25	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:25	1
Iron	**2.6**	**E**	0.10		mg/L		05/29/24 16:01	05/30/24 17:25	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:25	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:25	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:25	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:25	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:25	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:25	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 13:20	1
Chloride (EPA 300.0)	**12**		1.5		mg/L			05/23/24 13:20	1
Sulfate (EPA 300.0)	**23**		1.5		mg/L			05/23/24 13:20	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:20	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/24/24 16:39	1
Carbon, Total Organic (SM 5310D)	**1.0**		0.50		mg/L			06/01/24 11:55	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-06
Lab Sample ID: 580-140344-5
Date Collected: 05/21/24 15:25
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**240**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**240**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**300**		10		mg/L			05/24/24 15:12	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-07
Date Collected: 05/21/24 09:55
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.023	*- *1	0.020		ug/L			05/28/24 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/28/24 17:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 125*		*05/28/24 17:18*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*05/28/24 17:18*	*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		ug/L			05/24/24 16:02	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 16:02	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 16:02	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 16:02	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 16:02	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 16:02	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 16:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 16:02	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 16:02	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 16:02	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 16:02	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 16:02	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 16:02	1
2-Butanone	ND		10		ug/L			05/24/24 16:02	1
2-Hexanone	ND		3.0		ug/L			05/24/24 16:02	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 16:02	1
Acetone	ND		10		ug/L			05/24/24 16:02	1
Acrylonitrile	ND		10		ug/L			05/24/24 16:02	1
Benzene	ND		0.20		ug/L			05/24/24 16:02	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 16:02	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 16:02	1
Bromoform	ND		0.50		ug/L			05/24/24 16:02	1
Bromomethane	ND		0.50		ug/L			05/24/24 16:02	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 16:02	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 16:02	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 16:02	1
Chloroethane	ND		0.50		ug/L			05/24/24 16:02	1
Chloroform	ND		0.20		ug/L			05/24/24 16:02	1
Chloromethane	ND		0.50		ug/L			05/24/24 16:02	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 16:02	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 16:02	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 16:02	1
Dibromomethane	ND		0.20		ug/L			05/24/24 16:02	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 16:02	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 16:02	1
Methyl iodide	ND		1.0		ug/L			05/24/24 16:02	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 16:02	1
o-Xylene	ND		0.50		ug/L			05/24/24 16:02	1
Styrene	ND		1.0		ug/L			05/24/24 16:02	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 16:02	1

Client Sample ID: 0524-07
Date Collected: 05/21/24 09:55
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-6
Matrix: Water

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		ug/L			05/24/24 16:02	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 16:02	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 16:02	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 16:02	1
Trichloroethene	ND		0.20		ug/L			05/24/24 16:02	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 16:02	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/24/24 16:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/24/24 16:02*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*05/24/24 16:02*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/24 16:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**140**		0.50		mg/L		05/28/24 17:25	05/29/24 14:20	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:20	1
Magnesium	**54**		0.50		mg/L		05/28/24 17:25	05/29/24 14:20	1
Manganese	ND		0.020		mg/L		05/28/24 17:25	05/29/24 14:20	1
Potassium	**6.4**		3.3		mg/L		05/28/24 17:25	05/29/24 14:20	1
Sodium	**30**		0.50		mg/L		05/28/24 17:25	05/29/24 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:27	1
Arsenic	**0.0024**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:27	1
Barium	**0.044**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:27	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:27	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:27	1
Chromium	**0.0049**		0.00080		mg/L		05/29/24 16:01	05/30/24 17:27	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:27	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:27	1
Iron	**0.11**		0.10		mg/L		05/29/24 16:01	05/30/24 17:27	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:27	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:27	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:27	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:27	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:27	1
Vanadium	**0.0059**		0.0040		mg/L		05/29/24 16:01	05/30/24 17:27	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 10:10	1
Chloride (EPA 300.0)	**22**		1.5		mg/L			05/23/24 10:10	1
Sulfate (EPA 300.0)	**43**		1.5		mg/L			05/23/24 10:10	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:22	1
Nitrate Nitrite as N (EPA 353.2)	**6.1**		0.15		mg/L			05/29/24 23:04	1
Carbon, Total Organic (SM 5310D)	**1.2**		0.50		mg/L			06/01/24 12:21	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-07
Lab Sample ID: 580-140344-6
Date Collected: 05/21/24 09:55
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**460**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**460**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**650**		10		mg/L			05/24/24 15:12	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-08
Date Collected: 05/21/24 11:20
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-7
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		ug/L			05/28/24 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/28/24 17:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 125*		*05/28/24 17:41*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*05/28/24 17:41*	*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		ug/L			05/24/24 16:26	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 16:26	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 16:26	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 16:26	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 16:26	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 16:26	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 16:26	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 16:26	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 16:26	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 16:26	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 16:26	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 16:26	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 16:26	1
2-Butanone	ND		10		ug/L			05/24/24 16:26	1
2-Hexanone	ND		3.0		ug/L			05/24/24 16:26	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 16:26	1
Acetone	ND		10		ug/L			05/24/24 16:26	1
Acrylonitrile	ND		10		ug/L			05/24/24 16:26	1
Benzene	ND		0.20		ug/L			05/24/24 16:26	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 16:26	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 16:26	1
Bromoform	ND		0.50		ug/L			05/24/24 16:26	1
Bromomethane	ND		0.50		ug/L			05/24/24 16:26	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 16:26	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 16:26	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 16:26	1
Chloroethane	ND		0.50		ug/L			05/24/24 16:26	1
Chloroform	ND		0.20		ug/L			05/24/24 16:26	1
Chloromethane	ND		0.50		ug/L			05/24/24 16:26	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 16:26	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 16:26	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 16:26	1
Dibromomethane	ND		0.20		ug/L			05/24/24 16:26	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 16:26	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 16:26	1
Methyl iodide	ND		1.0		ug/L			05/24/24 16:26	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 16:26	1
o-Xylene	ND		0.50		ug/L			05/24/24 16:26	1
Styrene	ND		1.0		ug/L			05/24/24 16:26	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 16:26	1

Client Sample ID: 0524-08
Date Collected: 05/21/24 11:20
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-7
Matrix: Water

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		ug/L			05/24/24 16:26	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 16:26	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 16:26	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 16:26	1
Trichloroethene	ND		0.20		ug/L			05/24/24 16:26	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 16:26	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*05/24/24 16:26*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/24/24 16:26*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/24/24 16:26*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 16:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**45**		0.50		mg/L		05/28/24 17:25	05/29/24 14:24	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:24	1
Magnesium	**33**		0.50		mg/L		05/28/24 17:25	05/29/24 14:24	1
Manganese	**0.093**		0.020		mg/L		05/28/24 17:25	05/29/24 14:24	1
Potassium	**11**		3.3		mg/L		05/28/24 17:25	05/29/24 14:24	1
Sodium	**25**		0.50		mg/L		05/28/24 17:25	05/29/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:29	1
Arsenic	**0.017**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:29	1
Barium	**0.039**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:29	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:29	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:29	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:29	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:29	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:29	1
Iron	**0.17**		0.10		mg/L		05/29/24 16:01	05/30/24 17:29	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:29	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:29	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:29	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:29	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:29	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:29	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 10:33	1
Chloride (EPA 300.0)	**32**		1.5		mg/L			05/23/24 10:33	1
Sulfate (EPA 300.0)	**14**		1.5		mg/L			05/23/24 10:33	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:24	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/29/24 22:44	1
Carbon, Total Organic (SM 5310D)	**2.2**		0.50		mg/L			06/01/24 12:47	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-08
Lab Sample ID: 580-140344-7
Date Collected: 05/21/24 11:20
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**200**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**200**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**310**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-11
Date Collected: 05/21/24 11:28
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-8
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		ug/L			05/28/24 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*05/28/24 18:04*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 125*		*05/28/24 18:04*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 18:04*	*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		ug/L			05/24/24 16:49	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 16:49	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 16:49	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 16:49	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 16:49	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 16:49	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 16:49	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 16:49	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 16:49	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 16:49	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 16:49	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 16:49	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 16:49	1
2-Butanone	ND		10		ug/L			05/24/24 16:49	1
2-Hexanone	ND		3.0		ug/L			05/24/24 16:49	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 16:49	1
Acetone	ND		10		ug/L			05/24/24 16:49	1
Acrylonitrile	ND		10		ug/L			05/24/24 16:49	1
Benzene	ND		0.20		ug/L			05/24/24 16:49	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 16:49	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 16:49	1
Bromoform	ND		0.50		ug/L			05/24/24 16:49	1
Bromomethane	ND		0.50		ug/L			05/24/24 16:49	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 16:49	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 16:49	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 16:49	1
Chloroethane	ND		0.50		ug/L			05/24/24 16:49	1
Chloroform	ND		0.20		ug/L			05/24/24 16:49	1
Chloromethane	ND		0.50		ug/L			05/24/24 16:49	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 16:49	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 16:49	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 16:49	1
Dibromomethane	ND		0.20		ug/L			05/24/24 16:49	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 16:49	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 16:49	1
Methyl iodide	ND		1.0		ug/L			05/24/24 16:49	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 16:49	1
o-Xylene	ND		0.50		ug/L			05/24/24 16:49	1
Styrene	ND		1.0		ug/L			05/24/24 16:49	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 16:49	1

Client Sample ID: 0524-11
Date Collected: 05/21/24 11:28
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-8
Matrix: Water

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		ug/L			05/24/24 16:49	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 16:49	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 16:49	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 16:49	1
Trichloroethene	ND		0.20		ug/L			05/24/24 16:49	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 16:49	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/24/24 16:49*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/24/24 16:49*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/24/24 16:49*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 16:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		05/28/24 17:25	05/29/24 14:27	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:27	1
Magnesium	**88**		0.50		mg/L		05/28/24 17:25	05/29/24 14:27	1
Manganese	**0.13**		0.020		mg/L		05/28/24 17:25	05/29/24 14:27	1
Potassium	**9.9**		3.3		mg/L		05/28/24 17:25	05/29/24 14:27	1
Sodium	**45**		0.50		mg/L		05/28/24 17:25	05/29/24 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		mg/L		05/29/24 16:01	05/30/24 17:32	1
Arsenic	**0.0033**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:32	1
Barium	**0.082**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:32	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:32	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:32	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:32	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:32	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:32	1
Iron	ND		0.10		mg/L		05/29/24 16:01	05/30/24 17:32	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:32	1
Nickel	**0.0069**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:32	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:32	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:32	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:32	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:32	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 10:45	1
Chloride (EPA 300.0)	**87**		1.5		mg/L			05/23/24 10:45	1
Sulfate (EPA 300.0)	**86**		1.5		mg/L			05/23/24 10:45	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:26	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/30/24 19:33	1
Carbon, Total Organic (SM 5310D)	**2.6**		0.50		mg/L			06/01/24 13:13	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-11
Lab Sample ID: 580-140344-8
Date Collected: 05/21/24 11:28
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**450**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**450**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**760**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-16
Date Collected: 05/21/24 16:03
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-9
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	*- *1	0.020		ug/L			05/28/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/28/24 18:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 18:28*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 18:28*	*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		ug/L			05/24/24 17:12	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 17:12	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 17:12	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 17:12	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 17:12	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 17:12	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 17:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 17:12	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 17:12	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 17:12	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 17:12	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 17:12	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 17:12	1
2-Butanone	ND		10		ug/L			05/24/24 17:12	1
2-Hexanone	ND		3.0		ug/L			05/24/24 17:12	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 17:12	1
Acetone	ND		10		ug/L			05/24/24 17:12	1
Acrylonitrile	ND		10		ug/L			05/24/24 17:12	1
Benzene	ND		0.20		ug/L			05/24/24 17:12	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 17:12	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 17:12	1
Bromoform	ND		0.50		ug/L			05/24/24 17:12	1
Bromomethane	ND		0.50		ug/L			05/24/24 17:12	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 17:12	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 17:12	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 17:12	1
Chloroethane	ND		0.50		ug/L			05/24/24 17:12	1
Chloroform	ND		0.20		ug/L			05/24/24 17:12	1
Chloromethane	ND		0.50		ug/L			05/24/24 17:12	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 17:12	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 17:12	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 17:12	1
Dibromomethane	ND		0.20		ug/L			05/24/24 17:12	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 17:12	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 17:12	1
Methyl iodide	ND		1.0		ug/L			05/24/24 17:12	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 17:12	1
o-Xylene	ND		0.50		ug/L			05/24/24 17:12	1
Styrene	ND		1.0		ug/L			05/24/24 17:12	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 17:12	1

Client Sample ID: 0524-16
Date Collected: 05/21/24 16:03
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-9
Matrix: Water

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		ug/L			05/24/24 17:12	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 17:12	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 17:12	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 17:12	1
Trichloroethene	ND		0.20		ug/L			05/24/24 17:12	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 17:12	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/24/24 17:12*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/24/24 17:12*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/24/24 17:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/24 17:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		05/28/24 17:25	05/29/24 14:39	1
Iron	**0.39**		0.30		mg/L		05/28/24 17:25	05/29/24 14:39	1
Magnesium	**94**		0.50		mg/L		05/28/24 17:25	05/29/24 14:39	1
Manganese	**0.34**		0.020		mg/L		05/28/24 17:25	05/29/24 14:39	1
Potassium	**9.4**		3.3		mg/L		05/28/24 17:25	05/29/24 14:39	1
Sodium	**47**		0.50		mg/L		05/28/24 17:25	05/29/24 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:34	1
Arsenic	**0.0057**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:34	1
Barium	**0.099**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:34	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:34	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:34	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:34	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:34	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:34	1
Iron	**0.41**		0.10		mg/L		05/29/24 16:01	05/30/24 17:34	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:34	1
Nickel	**0.0081**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:34	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:34	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:34	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:34	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:34	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 13:32	1
Chloride (EPA 300.0)	**100**		1.5		mg/L			05/23/24 13:32	1
Sulfate (EPA 300.0)	**140**		15		mg/L			05/24/24 16:36	10
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:27	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/30/24 19:42	1
Carbon, Total Organic (SM 5310D)	**3.5**		0.50		mg/L			06/01/24 13:39	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-16
Lab Sample ID: 580-140344-9
Date Collected: 05/21/24 16:03
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**390**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**390**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**830**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-17
Date Collected: 05/21/24 15:04
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-10
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		ug/L			05/28/24 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*05/28/24 18:51*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 125*		*05/28/24 18:51*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 18:51*	*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		ug/L			05/24/24 17:36	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 17:36	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 17:36	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 17:36	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 17:36	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 17:36	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 17:36	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 17:36	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 17:36	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 17:36	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 17:36	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 17:36	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 17:36	1
2-Butanone	ND		10		ug/L			05/24/24 17:36	1
2-Hexanone	ND		3.0		ug/L			05/24/24 17:36	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 17:36	1
Acetone	ND		10		ug/L			05/24/24 17:36	1
Acrylonitrile	ND		10		ug/L			05/24/24 17:36	1
Benzene	ND		0.20		ug/L			05/24/24 17:36	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 17:36	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 17:36	1
Bromoform	ND		0.50		ug/L			05/24/24 17:36	1
Bromomethane	ND		0.50		ug/L			05/24/24 17:36	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 17:36	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 17:36	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 17:36	1
Chloroethane	ND		0.50		ug/L			05/24/24 17:36	1
Chloroform	ND		0.20		ug/L			05/24/24 17:36	1
Chloromethane	ND		0.50		ug/L			05/24/24 17:36	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 17:36	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 17:36	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 17:36	1
Dibromomethane	ND		0.20		ug/L			05/24/24 17:36	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 17:36	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 17:36	1
Methyl iodide	ND		1.0		ug/L			05/24/24 17:36	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 17:36	1
o-Xylene	ND		0.50		ug/L			05/24/24 17:36	1
Styrene	ND		1.0		ug/L			05/24/24 17:36	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 17:36	1

Client Sample ID: 0524-17

Date Collected: 05/21/24 15:04
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-10

Matrix: Water

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		ug/L			05/24/24 17:36	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 17:36	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 17:36	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 17:36	1
Trichloroethene	ND		0.20		ug/L			05/24/24 17:36	1
Trichlorofluoromethane	**0.59**		0.50		ug/L			05/24/24 17:36	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*05/24/24 17:36*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/24/24 17:36*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/24/24 17:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 17:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50		mg/L		05/28/24 17:25	05/29/24 14:42	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:42	1
Magnesium	**71**		0.50		mg/L		05/28/24 17:25	05/29/24 14:42	1
Manganese	**0.021**		0.020		mg/L		05/28/24 17:25	05/29/24 14:42	1
Potassium	**8.4**		3.3		mg/L		05/28/24 17:25	05/29/24 14:42	1
Sodium	**41**		0.50		mg/L		05/28/24 17:25	05/29/24 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:40	1
Arsenic	**0.0030**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:40	1
Barium	**0.027**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:40	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:40	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:40	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:40	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:40	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:40	1
Iron	ND		0.10		mg/L		05/29/24 16:01	05/30/24 17:40	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:40	1
Nickel	**0.0045**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:40	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:40	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:40	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:40	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:40	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 12:56	1
Chloride (EPA 300.0)	**75**		1.5		mg/L			05/23/24 12:56	1
Sulfate (EPA 300.0)	**73**		1.5		mg/L			05/23/24 12:56	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:29	1
Nitrate Nitrite as N (EPA 353.2)	**1.8**		0.15		mg/L			05/30/24 19:44	1
Carbon, Total Organic (SM 5310D)	**2.2**		0.50		mg/L			06/01/24 15:06	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-17
Lab Sample ID: 580-140344-10
Date Collected: 05/21/24 15:04
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**380**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**380**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**630**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-18
Date Collected: 05/21/24 14:11
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-11
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	*- *1	0.020		ug/L			05/28/24 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*05/28/24 19:14*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 19:14*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 19:14*	*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		ug/L			05/24/24 17:59	1
1,1,1-Trichloroethane	**0.26**		0.20		ug/L			05/24/24 17:59	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 17:59	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 17:59	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 17:59	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 17:59	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 17:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 17:59	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 17:59	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 17:59	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 17:59	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 17:59	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 17:59	1
2-Butanone	ND		10		ug/L			05/24/24 17:59	1
2-Hexanone	ND		3.0		ug/L			05/24/24 17:59	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 17:59	1
Acetone	ND		10		ug/L			05/24/24 17:59	1
Acrylonitrile	ND		10		ug/L			05/24/24 17:59	1
Benzene	ND		0.20		ug/L			05/24/24 17:59	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 17:59	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 17:59	1
Bromoform	ND		0.50		ug/L			05/24/24 17:59	1
Bromomethane	ND		0.50		ug/L			05/24/24 17:59	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 17:59	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 17:59	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 17:59	1
Chloroethane	ND		0.50		ug/L			05/24/24 17:59	1
Chloroform	ND		0.20		ug/L			05/24/24 17:59	1
Chloromethane	ND		0.50		ug/L			05/24/24 17:59	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 17:59	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 17:59	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 17:59	1
Dibromomethane	ND		0.20		ug/L			05/24/24 17:59	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 17:59	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 17:59	1
Methyl iodide	ND		1.0		ug/L			05/24/24 17:59	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 17:59	1
o-Xylene	ND		0.50		ug/L			05/24/24 17:59	1
Styrene	ND		1.0		ug/L			05/24/24 17:59	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 17:59	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-18

Date Collected: 05/21/24 14:11
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-11

Matrix: Water

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		ug/L			05/24/24 17:59	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 17:59	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 17:59	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 17:59	1
Trichloroethene	ND		0.20		ug/L			05/24/24 17:59	1
Trichlorofluoromethane	**3.0**		0.50		ug/L			05/24/24 17:59	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*05/24/24 17:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/24/24 17:59*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/24/24 17:59*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/24/24 17:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**130**		0.50		mg/L		05/28/24 17:25	05/29/24 14:46	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:46	1
Magnesium	**74**		0.50		mg/L		05/28/24 17:25	05/29/24 14:46	1
Manganese	ND		0.020		mg/L		05/28/24 17:25	05/29/24 14:46	1
Potassium	**9.3**		3.3		mg/L		05/28/24 17:25	05/29/24 14:46	1
Sodium	**32**		0.50		mg/L		05/28/24 17:25	05/29/24 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:43	1
Arsenic	**0.0012**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:43	1
Barium	**0.044**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:43	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:43	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:43	1
Chromium	**0.016**		0.00080		mg/L		05/29/24 16:01	05/30/24 17:43	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:43	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:43	1
Iron	**0.11**		0.10		mg/L		05/29/24 16:01	05/30/24 17:43	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:43	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:43	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:43	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:43	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:43	1
Vanadium	**0.0045**		0.0040		mg/L		05/29/24 16:01	05/30/24 17:43	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 12:44	1
Chloride (EPA 300.0)	**21**		1.5		mg/L			05/23/24 12:44	1
Sulfate (EPA 300.0)	**52**		1.5		mg/L			05/23/24 12:44	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:42	1
Nitrate Nitrite as N (EPA 353.2)	**5.6**		0.15		mg/L			05/30/24 20:18	1
Carbon, Total Organic (SM 5310D)	**1.6**		0.50		mg/L			06/01/24 15:32	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-18
Lab Sample ID: 580-140344-11
Date Collected: 05/21/24 14:11
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**530**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**530**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**730**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-19
Date Collected: 05/21/24 13:01
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-12
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	*- *1	0.020		ug/L			05/28/24 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 20:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*05/28/24 20:01*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 20:01*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 20:01*	*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		ug/L			05/24/24 18:22	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 18:22	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 18:22	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 18:22	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 18:22	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 18:22	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 18:22	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 18:22	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 18:22	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 18:22	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 18:22	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 18:22	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 18:22	1
2-Butanone	ND		10		ug/L			05/24/24 18:22	1
2-Hexanone	ND		3.0		ug/L			05/24/24 18:22	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 18:22	1
Acetone	ND		10		ug/L			05/24/24 18:22	1
Acrylonitrile	ND		10		ug/L			05/24/24 18:22	1
Benzene	ND		0.20		ug/L			05/24/24 18:22	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 18:22	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 18:22	1
Bromoform	ND		0.50		ug/L			05/24/24 18:22	1
Bromomethane	ND		0.50		ug/L			05/24/24 18:22	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 18:22	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 18:22	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 18:22	1
Chloroethane	ND		0.50		ug/L			05/24/24 18:22	1
Chloroform	ND		0.20		ug/L			05/24/24 18:22	1
Chloromethane	ND		0.50		ug/L			05/24/24 18:22	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 18:22	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 18:22	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 18:22	1
Dibromomethane	ND		0.20		ug/L			05/24/24 18:22	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 18:22	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 18:22	1
Methyl iodide	ND		1.0		ug/L			05/24/24 18:22	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 18:22	1
o-Xylene	ND		0.50		ug/L			05/24/24 18:22	1
Styrene	ND		1.0		ug/L			05/24/24 18:22	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 18:22	1

Client Sample ID: 0524-19
Date Collected: 05/21/24 13:01
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-12
Matrix: Water

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		ug/L			05/24/24 18:22	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 18:22	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 18:22	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 18:22	1
Trichloroethene	ND		0.20		ug/L			05/24/24 18:22	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 18:22	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/24/24 18:22*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/24/24 18:22*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/24/24 18:22*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 18:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**71**		0.50		mg/L		05/28/24 17:25	05/29/24 14:49	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:49	1
Magnesium	**29**		0.50		mg/L		05/28/24 17:25	05/29/24 14:49	1
Manganese	**0.031**		0.020		mg/L		05/28/24 17:25	05/29/24 14:49	1
Potassium	**6.3**		3.3		mg/L		05/28/24 17:25	05/29/24 14:49	1
Sodium	**22**		0.50		mg/L		05/28/24 17:25	05/29/24 14:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:45	1
Arsenic	**0.0087**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:45	1
Barium	**0.031**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:45	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:45	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:45	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:45	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:45	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:45	1
Iron	**0.25**		0.10		mg/L		05/29/24 16:01	05/30/24 17:45	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:45	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:45	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:45	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:45	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:45	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:45	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 11:21	1
Chloride (EPA 300.0)	**38**		1.5		mg/L			05/23/24 11:21	1
Sulfate (EPA 300.0)	**27**		1.5		mg/L			05/23/24 11:21	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:44	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/30/24 19:48	1
Carbon, Total Organic (SM 5310D)	**0.98**		0.50		mg/L			06/01/24 15:58	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-19
Lab Sample ID: 580-140344-12
Date Collected: 05/21/24 13:01
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**230**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**230**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**430**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-20
Date Collected: 05/21/24 12:25
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-13
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		ug/L			05/28/24 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 19:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*05/28/24 19:37*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 19:37*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*05/28/24 19:37*	*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		ug/L			05/24/24 18:45	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 18:45	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 18:45	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 18:45	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 18:45	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 18:45	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 18:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 18:45	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 18:45	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 18:45	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 18:45	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 18:45	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 18:45	1
2-Butanone	ND		10		ug/L			05/24/24 18:45	1
2-Hexanone	ND		3.0		ug/L			05/24/24 18:45	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 18:45	1
Acetone	ND		10		ug/L			05/24/24 18:45	1
Acrylonitrile	ND		10		ug/L			05/24/24 18:45	1
Benzene	ND		0.20		ug/L			05/24/24 18:45	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 18:45	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 18:45	1
Bromoform	ND		0.50		ug/L			05/24/24 18:45	1
Bromomethane	ND		0.50		ug/L			05/24/24 18:45	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 18:45	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 18:45	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 18:45	1
Chloroethane	ND		0.50		ug/L			05/24/24 18:45	1
Chloroform	ND		0.20		ug/L			05/24/24 18:45	1
Chloromethane	ND		0.50		ug/L			05/24/24 18:45	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 18:45	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 18:45	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 18:45	1
Dibromomethane	ND		0.20		ug/L			05/24/24 18:45	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 18:45	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 18:45	1
Methyl iodide	ND		1.0		ug/L			05/24/24 18:45	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 18:45	1
o-Xylene	ND		0.50		ug/L			05/24/24 18:45	1
Styrene	ND		1.0		ug/L			05/24/24 18:45	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 18:45	1

Client Sample ID: 0524-20
Lab Sample ID: 580-140344-13
Date Collected: 05/21/24 12:25
Matrix: Water
Date Received: 05/22/24 17:00

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		ug/L			05/24/24 18:45	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 18:45	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 18:45	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 18:45	1
Trichloroethene	ND		0.20		ug/L			05/24/24 18:45	1
Trichlorofluoromethane	**1.0**		0.50		ug/L			05/24/24 18:45	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*05/24/24 18:45*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/24/24 18:45*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/24/24 18:45*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/24/24 18:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		05/28/24 17:25	05/29/24 14:53	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:53	1
Magnesium	**45**		0.50		mg/L		05/28/24 17:25	05/29/24 14:53	1
Manganese	ND		0.020		mg/L		05/28/24 17:25	05/29/24 14:53	1
Potassium	**5.9**		3.3		mg/L		05/28/24 17:25	05/29/24 14:53	1
Sodium	**28**		0.50		mg/L		05/28/24 17:25	05/29/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:47	1
Arsenic	**0.0024**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:47	1
Barium	**0.033**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:47	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:47	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:47	1
Chromium	**0.010**		0.00080		mg/L		05/29/24 16:01	05/30/24 17:47	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:47	1
Copper	**0.0047**		0.0020		mg/L		05/29/24 16:01	05/30/24 17:47	1
Iron	ND		0.10		mg/L		05/29/24 16:01	05/30/24 17:47	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:47	1
Nickel	**0.0036**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:47	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:47	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:47	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:47	1
Vanadium	**0.0055**		0.0040		mg/L		05/29/24 16:01	05/30/24 17:47	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 10:57	1
Chloride (EPA 300.0)	**31**		1.5		mg/L			05/23/24 10:57	1
Sulfate (EPA 300.0)	**43**		1.5		mg/L			05/23/24 10:57	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:46	1
Nitrate Nitrite as N (EPA 353.2)	**5.8**		0.15		mg/L			05/30/24 20:19	1
Carbon, Total Organic (SM 5310D)	**1.3**		0.50		mg/L			06/01/24 16:24	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-20
Lab Sample ID: 580-140344-13
Date Collected: 05/21/24 12:25
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**380**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**380**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**590**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-21
Date Collected: 05/22/24 12:44
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**7.2**	***- *1**	0.020		ug/L			05/28/24 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 22:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*05/28/24 22:20*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 22:20*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 22:20*	*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		ug/L			05/24/24 19:09	1
1,1,1-Trichloroethane	**0.43**		0.20		ug/L			05/24/24 19:09	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 19:09	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 19:09	1
1,1-Dichloroethane	**0.20**		0.20		ug/L			05/24/24 19:09	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 19:09	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 19:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 19:09	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 19:09	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 19:09	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 19:09	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 19:09	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 19:09	1
2-Butanone	ND		10		ug/L			05/24/24 19:09	1
2-Hexanone	ND		3.0		ug/L			05/24/24 19:09	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 19:09	1
Acetone	ND		10		ug/L			05/24/24 19:09	1
Acrylonitrile	ND		10		ug/L			05/24/24 19:09	1
Benzene	ND		0.20		ug/L			05/24/24 19:09	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 19:09	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 19:09	1
Bromoform	ND		0.50		ug/L			05/24/24 19:09	1
Bromomethane	ND		0.50		ug/L			05/24/24 19:09	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 19:09	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 19:09	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 19:09	1
Chloroethane	ND		0.50		ug/L			05/24/24 19:09	1
Chloroform	ND		0.20		ug/L			05/24/24 19:09	1
Chloromethane	ND		0.50		ug/L			05/24/24 19:09	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 19:09	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 19:09	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 19:09	1
Dibromomethane	ND		0.20		ug/L			05/24/24 19:09	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 19:09	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 19:09	1
Methyl iodide	ND		1.0		ug/L			05/24/24 19:09	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 19:09	1
o-Xylene	ND		0.50		ug/L			05/24/24 19:09	1
Styrene	ND		1.0		ug/L			05/24/24 19:09	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 19:09	1

Client Sample ID: 0524-21
Date Collected: 05/22/24 12:44
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-14
Matrix: Water

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		ug/L			05/24/24 19:09	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 19:09	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 19:09	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 19:09	1
Trichloroethene	ND		0.20		ug/L			05/24/24 19:09	1
Trichlorofluoromethane	**2.6**		0.50		ug/L			05/24/24 19:09	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/24/24 19:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/24/24 19:09*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/24/24 19:09*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/24 19:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		0.50		mg/L		05/28/24 17:25	05/29/24 14:56	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:56	1
Magnesium	**79**		0.50		mg/L		05/28/24 17:25	05/29/24 14:56	1
Manganese	**0.058**		0.020		mg/L		05/28/24 17:25	05/29/24 14:56	1
Potassium	**8.1**		3.3		mg/L		05/28/24 17:25	05/29/24 14:56	1
Sodium	**32**		0.50		mg/L		05/28/24 17:25	05/29/24 14:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:49	1
Arsenic	**0.0019**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:49	1
Barium	**0.036**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:49	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:49	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:49	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:49	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:49	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:49	1
Iron	**0.11**		0.10		mg/L		05/29/24 16:01	05/30/24 17:49	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:49	1
Nickel	**0.0082**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:49	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:49	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:49	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:49	1
Vanadium	**0.0057**		0.0040		mg/L		05/29/24 16:01	05/30/24 17:49	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 15:19	1
Chloride (EPA 300.0)	**43**		1.5		mg/L			05/23/24 15:19	1
Sulfate (EPA 300.0)	**91**		1.5		mg/L			05/23/24 15:19	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:48	1
Nitrate Nitrite as N (EPA 353.2)	**15**		0.15		mg/L			05/30/24 20:20	1
Carbon, Total Organic (SM 5310D)	**2.4**		0.50		mg/L			06/01/24 16:50	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-21
Lab Sample ID: 580-140344-14
Date Collected: 05/22/24 12:44
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**480**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**480**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**840**		10		mg/L			05/24/24 15:12	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-22
Date Collected: 05/22/24 12:09
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-15
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		ug/L			05/28/24 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 22:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 120*		*05/28/24 22:44*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 22:44*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*05/28/24 22:44*	*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		ug/L			05/24/24 19:32	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 19:32	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 19:32	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 19:32	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 19:32	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 19:32	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 19:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 19:32	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 19:32	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 19:32	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 19:32	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 19:32	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 19:32	1
2-Butanone	ND		10		ug/L			05/24/24 19:32	1
2-Hexanone	ND		3.0		ug/L			05/24/24 19:32	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 19:32	1
Acetone	ND		10		ug/L			05/24/24 19:32	1
Acrylonitrile	ND		10		ug/L			05/24/24 19:32	1
Benzene	ND		0.20		ug/L			05/24/24 19:32	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 19:32	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 19:32	1
Bromoform	ND		0.50		ug/L			05/24/24 19:32	1
Bromomethane	ND		0.50		ug/L			05/24/24 19:32	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 19:32	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 19:32	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 19:32	1
Chloroethane	ND		0.50		ug/L			05/24/24 19:32	1
Chloroform	ND		0.20		ug/L			05/24/24 19:32	1
Chloromethane	ND		0.50		ug/L			05/24/24 19:32	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 19:32	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 19:32	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 19:32	1
Dibromomethane	ND		0.20		ug/L			05/24/24 19:32	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 19:32	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 19:32	1
Methyl iodide	ND		1.0		ug/L			05/24/24 19:32	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 19:32	1
o-Xylene	ND		0.50		ug/L			05/24/24 19:32	1
Styrene	ND		1.0		ug/L			05/24/24 19:32	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 19:32	1

Client Sample ID: 0524-22
Date Collected: 05/22/24 12:09
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-15
Matrix: Water

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		ug/L			05/24/24 19:32	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 19:32	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 19:32	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 19:32	1
Trichloroethene	ND		0.20		ug/L			05/24/24 19:32	1
Trichlorofluoromethane	**2.6**		0.50		ug/L			05/24/24 19:32	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*05/24/24 19:32*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/24/24 19:32*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/24/24 19:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/24 19:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50		mg/L		05/28/24 17:25	05/29/24 15:00	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 15:00	1
Magnesium	**52**		0.50		mg/L		05/28/24 17:25	05/29/24 15:00	1
Manganese	**0.46**		0.020		mg/L		05/28/24 17:25	05/29/24 15:00	1
Potassium	**6.7**		3.3		mg/L		05/28/24 17:25	05/29/24 15:00	1
Sodium	**28**		0.50		mg/L		05/28/24 17:25	05/29/24 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:51	1
Arsenic	**0.0014**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:51	1
Barium	**0.045**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:51	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:51	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:51	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:51	1
Cobalt	**0.00082**		0.00040		mg/L		05/29/24 16:01	05/30/24 17:51	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:51	1
Iron	**0.12**		0.10		mg/L		05/29/24 16:01	05/30/24 17:51	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:51	1
Nickel	**0.0044**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:51	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:51	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:51	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:51	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:51	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 15:08	1
Chloride (EPA 300.0)	**20**		1.5		mg/L			05/23/24 15:08	1
Sulfate (EPA 300.0)	**43**		1.5		mg/L			05/23/24 15:08	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:49	1
Nitrate Nitrite as N (EPA 353.2)	**4.6**		0.15		mg/L			05/30/24 19:52	1
Carbon, Total Organic (SM 5310D)	**1.3**		0.50		mg/L			06/01/24 17:16	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-22
Lab Sample ID: 580-140344-15
Date Collected: 05/22/24 12:09
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**430**		7.0		mg/L			05/30/24 18:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**430**		7.0		mg/L			05/30/24 18:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:52	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:52	1
Total Dissolved Solids (SM 2540C)	**690**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-26
Lab Sample ID: 580-140344-16
Date Collected: 05/21/24 10:29
Matrix: Water
Date Received: 05/22/24 17:00

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		ug/L			05/28/24 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 20:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 120*		*05/28/24 20:24*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 125*		*05/28/24 20:24*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 20:24*	*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		ug/L			05/24/24 19:55	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 19:55	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 19:55	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 19:55	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 19:55	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 19:55	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 19:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 19:55	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 19:55	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 19:55	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 19:55	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 19:55	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 19:55	1
2-Butanone	ND		10		ug/L			05/24/24 19:55	1
2-Hexanone	ND		3.0		ug/L			05/24/24 19:55	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 19:55	1
Acetone	ND		10		ug/L			05/24/24 19:55	1
Acrylonitrile	ND		10		ug/L			05/24/24 19:55	1
Benzene	ND		0.20		ug/L			05/24/24 19:55	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 19:55	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 19:55	1
Bromoform	ND		0.50		ug/L			05/24/24 19:55	1
Bromomethane	ND		0.50		ug/L			05/24/24 19:55	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 19:55	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 19:55	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 19:55	1
Chloroethane	ND		0.50		ug/L			05/24/24 19:55	1
Chloroform	ND		0.20		ug/L			05/24/24 19:55	1
Chloromethane	ND		0.50		ug/L			05/24/24 19:55	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 19:55	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 19:55	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 19:55	1
Dibromomethane	ND		0.20		ug/L			05/24/24 19:55	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 19:55	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 19:55	1
Methyl iodide	ND		1.0		ug/L			05/24/24 19:55	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 19:55	1
o-Xylene	ND		0.50		ug/L			05/24/24 19:55	1
Styrene	ND		1.0		ug/L			05/24/24 19:55	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 19:55	1

Client Sample ID: 0524-26
Date Collected: 05/21/24 10:29
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-16
Matrix: Water

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		ug/L			05/24/24 19:55	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 19:55	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 19:55	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 19:55	1
Trichloroethene	ND		0.20		ug/L			05/24/24 19:55	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 19:55	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*05/24/24 19:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/24/24 19:55*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/24/24 19:55*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/24 19:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**29**		0.50		mg/L		05/28/24 17:25	05/29/24 15:03	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 15:03	1
Magnesium	**34**		0.50		mg/L		05/28/24 17:25	05/29/24 15:03	1
Manganese	**0.030**		0.020		mg/L		05/28/24 17:25	05/29/24 15:03	1
Potassium	**14**		3.3		mg/L		05/28/24 17:25	05/29/24 15:03	1
Sodium	**15**		0.50		mg/L		05/28/24 17:25	05/29/24 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:53	1
Arsenic	**0.021**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:53	1
Barium	**0.025**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:53	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:53	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:53	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:53	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:53	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:53	1
Iron	**0.13**		0.10		mg/L		05/29/24 16:01	05/30/24 17:53	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:53	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:53	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:53	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:53	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:53	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:53	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 10:22	1
Chloride (EPA 300.0)	**41**		1.5		mg/L			05/23/24 10:22	1
Sulfate (EPA 300.0)	**19**		1.5		mg/L			05/23/24 10:22	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:51	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/30/24 19:53	1
Carbon, Total Organic (SM 5310D)	**1.3**		0.50		mg/L			06/01/24 17:43	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-26
Lab Sample ID: 580-140344-16
Date Collected: 05/21/24 10:29
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**160**		7.0		mg/L			05/30/24 18:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**160**		7.0		mg/L			05/30/24 18:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:53	1
Total Dissolved Solids (SM 2540C)	**290**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:12	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-27
Date Collected: 05/21/24 09:39
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-17
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		ug/L			05/28/24 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*05/28/24 20:47*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 125*		*05/28/24 20:47*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 20:47*	*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		ug/L			05/24/24 20:18	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 20:18	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 20:18	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 20:18	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 20:18	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 20:18	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 20:18	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 20:18	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 20:18	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 20:18	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 20:18	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 20:18	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 20:18	1
2-Butanone	ND		10		ug/L			05/24/24 20:18	1
2-Hexanone	ND		3.0		ug/L			05/24/24 20:18	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 20:18	1
Acetone	ND		10		ug/L			05/24/24 20:18	1
Acrylonitrile	ND		10		ug/L			05/24/24 20:18	1
Benzene	ND		0.20		ug/L			05/24/24 20:18	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 20:18	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 20:18	1
Bromoform	ND		0.50		ug/L			05/24/24 20:18	1
Bromomethane	ND		0.50		ug/L			05/24/24 20:18	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 20:18	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 20:18	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 20:18	1
Chloroethane	ND		0.50		ug/L			05/24/24 20:18	1
Chloroform	ND		0.20		ug/L			05/24/24 20:18	1
Chloromethane	ND		0.50		ug/L			05/24/24 20:18	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 20:18	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 20:18	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 20:18	1
Dibromomethane	ND		0.20		ug/L			05/24/24 20:18	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 20:18	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 20:18	1
Methyl iodide	ND		1.0		ug/L			05/24/24 20:18	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 20:18	1
o-Xylene	ND		0.50		ug/L			05/24/24 20:18	1
Styrene	ND		1.0		ug/L			05/24/24 20:18	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 20:18	1

Client Sample ID: 0524-27
Date Collected: 05/21/24 09:39
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-17
Matrix: Water

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		ug/L			05/24/24 20:18	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 20:18	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 20:18	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 20:18	1
Trichloroethene	ND		0.20		ug/L			05/24/24 20:18	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 20:18	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*05/24/24 20:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/24/24 20:18*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/24/24 20:18*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/24 20:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**99**		0.50		mg/L		05/28/24 17:25	05/29/24 15:07	1
Iron	**0.89**		0.30		mg/L		05/28/24 17:25	05/29/24 15:07	1
Magnesium	**60**		0.50		mg/L		05/28/24 17:25	05/29/24 15:07	1
Manganese	**0.091**		0.020		mg/L		05/28/24 17:25	05/29/24 15:07	1
Potassium	**7.7**		3.3		mg/L		05/28/24 17:25	05/29/24 15:07	1
Sodium	**31**		0.50		mg/L		05/28/24 17:25	05/29/24 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:56	1
Arsenic	**0.0066**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:56	1
Barium	**0.045**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:56	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:56	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:56	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:56	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:56	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:56	1
Iron	**0.80**		0.10		mg/L		05/29/24 16:01	05/30/24 17:56	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:56	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:56	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:56	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:56	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:56	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:56	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 09:58	1
Chloride (EPA 300.0)	**59**		1.5		mg/L			05/23/24 09:58	1
Sulfate (EPA 300.0)	**49**		1.5		mg/L			05/23/24 09:58	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:53	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/30/24 19:54	1
Carbon, Total Organic (SM 5310D)	**1.5**		0.50		mg/L			06/01/24 18:09	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-27
Lab Sample ID: 580-140344-17
Date Collected: 05/21/24 09:39
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**380**		7.0		mg/L			05/30/24 18:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**380**		7.0		mg/L			05/30/24 18:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:53	1
Total Dissolved Solids (SM 2540C)	**520**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:12	05/24/24 19:33	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-28
Lab Sample ID: 580-140344-18
Date Collected: 05/21/24 15:24
Matrix: Water
Date Received: 05/22/24 17:00

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		ug/L			05/28/24 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 21:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 120*		*05/28/24 21:34*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 125*		*05/28/24 21:34*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*05/28/24 21:34*	*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		ug/L			05/24/24 20:42	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 20:42	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 20:42	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 20:42	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 20:42	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 20:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 20:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 20:42	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 20:42	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 20:42	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 20:42	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 20:42	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 20:42	1
2-Butanone	ND		10		ug/L			05/24/24 20:42	1
2-Hexanone	ND		3.0		ug/L			05/24/24 20:42	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 20:42	1
Acetone	ND		10		ug/L			05/24/24 20:42	1
Acrylonitrile	ND		10		ug/L			05/24/24 20:42	1
Benzene	ND		0.20		ug/L			05/24/24 20:42	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 20:42	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 20:42	1
Bromoform	ND		0.50		ug/L			05/24/24 20:42	1
Bromomethane	ND		0.50		ug/L			05/24/24 20:42	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 20:42	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 20:42	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 20:42	1
Chloroethane	ND		0.50		ug/L			05/24/24 20:42	1
Chloroform	ND		0.20		ug/L			05/24/24 20:42	1
Chloromethane	ND		0.50		ug/L			05/24/24 20:42	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 20:42	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 20:42	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 20:42	1
Dibromomethane	ND		0.20		ug/L			05/24/24 20:42	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 20:42	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 20:42	1
Methyl iodide	ND		1.0		ug/L			05/24/24 20:42	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 20:42	1
o-Xylene	ND		0.50		ug/L			05/24/24 20:42	1
Styrene	ND		1.0		ug/L			05/24/24 20:42	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 20:42	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-28
Date Collected: 05/21/24 15:24
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-18
Matrix: Water

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		ug/L			05/24/24 20:42	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 20:42	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 20:42	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 20:42	1
Trichloroethene	ND		0.20		ug/L			05/24/24 20:42	1
Trichlorofluoromethane	**0.66**		0.50		ug/L			05/24/24 20:42	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*05/24/24 20:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/24/24 20:42*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/24/24 20:42*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/24/24 20:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**99**		0.50		mg/L		05/28/24 17:25	05/29/24 14:06	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:06	1
Magnesium	**70**		0.50		mg/L		05/28/24 17:25	05/29/24 14:06	1
Manganese	ND		0.020		mg/L		05/28/24 17:25	05/29/24 14:06	1
Potassium	**8.2**		3.3		mg/L		05/28/24 17:25	05/29/24 14:06	1
Sodium	**40**		0.50		mg/L		05/28/24 17:25	05/29/24 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:23	1
Arsenic	**0.0031**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:23	1
Barium	**0.028**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:23	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:23	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:23	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:23	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:23	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:23	1
Iron	ND		0.10		mg/L		05/29/24 16:01	05/30/24 17:23	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:23	1
Nickel	**0.0048**		0.0030		mg/L		05/29/24 16:01	05/30/24 17:23	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:23	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:23	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:23	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:23	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 13:08	1
Chloride (EPA 300.0)	**75**		1.5		mg/L			05/23/24 13:08	1
Sulfate (EPA 300.0)	**72**		1.5		mg/L			05/23/24 13:08	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:55	1
Nitrate Nitrite as N (EPA 353.2)	**3.2**		0.15		mg/L			05/30/24 19:55	1
Carbon, Total Organic (SM 5310D)	**2.1**		0.50		mg/L			06/01/24 18:35	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-28
Lab Sample ID: 580-140344-18
Date Collected: 05/21/24 15:24
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**370**		7.0		mg/L			05/30/24 18:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**370**		7.0		mg/L			05/30/24 18:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:53	1
Total Dissolved Solids (SM 2540C)	**660**		10		mg/L			05/24/24 14:15	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:12	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: 0524-29
Date Collected: 05/21/24 13:31
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-19
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		ug/L			05/28/24 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/28/24 21:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*05/28/24 21:10*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 125*		*05/28/24 21:10*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 21:10*	*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		ug/L			05/24/24 21:05	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 21:05	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 21:05	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 21:05	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 21:05	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 21:05	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 21:05	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 21:05	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 21:05	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 21:05	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 21:05	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 21:05	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 21:05	1
2-Butanone	ND		10		ug/L			05/24/24 21:05	1
2-Hexanone	ND		3.0		ug/L			05/24/24 21:05	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 21:05	1
Acetone	ND		10		ug/L			05/24/24 21:05	1
Acrylonitrile	ND		10		ug/L			05/24/24 21:05	1
Benzene	ND		0.20		ug/L			05/24/24 21:05	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 21:05	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 21:05	1
Bromoform	ND		0.50		ug/L			05/24/24 21:05	1
Bromomethane	ND		0.50		ug/L			05/24/24 21:05	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 21:05	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 21:05	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 21:05	1
Chloroethane	ND		0.50		ug/L			05/24/24 21:05	1
Chloroform	ND		0.20		ug/L			05/24/24 21:05	1
Chloromethane	ND		0.50		ug/L			05/24/24 21:05	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 21:05	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 21:05	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 21:05	1
Dibromomethane	ND		0.20		ug/L			05/24/24 21:05	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 21:05	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 21:05	1
Methyl iodide	ND		1.0		ug/L			05/24/24 21:05	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 21:05	1
o-Xylene	ND		0.50		ug/L			05/24/24 21:05	1
Styrene	ND		1.0		ug/L			05/24/24 21:05	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 21:05	1

Client Sample ID: 0524-29
Date Collected: 05/21/24 13:31
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-19
Matrix: Water

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		ug/L			05/24/24 21:05	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 21:05	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 21:05	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 21:05	1
Trichloroethene	ND		0.20		ug/L			05/24/24 21:05	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 21:05	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*05/24/24 21:05*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/24/24 21:05*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/24/24 21:05*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/24/24 21:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**67**		0.50		mg/L		05/28/24 17:25	05/29/24 14:03	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 14:03	1
Magnesium	**27**		0.50		mg/L		05/28/24 17:25	05/29/24 14:03	1
Manganese	**0.030**		0.020		mg/L		05/28/24 17:25	05/29/24 14:03	1
Potassium	**6.1**		3.3		mg/L		05/28/24 17:25	05/29/24 14:03	1
Sodium	**21**		0.50		mg/L		05/28/24 17:25	05/29/24 14:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:20	1
Arsenic	**0.0087**		0.0010		mg/L		05/29/24 16:01	05/30/24 17:20	1
Barium	**0.028**		0.0012		mg/L		05/29/24 16:01	05/30/24 17:20	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:20	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:20	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 17:20	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:20	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 17:20	1
Iron	**0.22**		0.10		mg/L		05/29/24 16:01	05/30/24 17:20	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:20	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 17:20	1
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 17:20	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 17:20	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 17:20	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 17:20	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/23/24 11:33	1
Chloride (EPA 300.0)	**37**		1.5		mg/L			05/23/24 11:33	1
Sulfate (EPA 300.0)	**26**		1.5		mg/L			05/23/24 11:33	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:57	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			05/30/24 19:57	1
Carbon, Total Organic (SM 5310D)	**0.92**		0.50		mg/L			06/01/24 19:01	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-29
Lab Sample ID: 580-140344-19
Date Collected: 05/21/24 13:31
Matrix: Water
Date Received: 05/22/24 17:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**230**		7.0		mg/L			05/30/24 18:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**230**		7.0		mg/L			05/30/24 18:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			05/30/24 18:53	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			05/30/24 18:53	1
Total Dissolved Solids (SM 2540C)	**360**		10		mg/L			05/24/24 15:12	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/24/24 15:12	05/24/24 19:33	1

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

Job ID: 580-140344-1

Client Sample ID: Trip Blanks

Date Collected: 05/22/24 13:30
Date Received: 05/22/24 17:00

Lab Sample ID: 580-140344-20

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		ug/L			05/28/24 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/28/24 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 120*		*05/28/24 16:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*05/28/24 16:08*	*1*
Dibromofluoromethane (Surr)	*118*		*80 - 120*		*05/28/24 16:08*	*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		ug/L			05/24/24 13:43	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 13:43	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 13:43	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 13:43	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 13:43	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 13:43	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 13:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 13:43	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 13:43	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 13:43	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 13:43	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 13:43	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 13:43	1
2-Butanone	ND		10		ug/L			05/24/24 13:43	1
2-Hexanone	ND		3.0		ug/L			05/24/24 13:43	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 13:43	1
Acetone	ND		10		ug/L			05/24/24 13:43	1
Acrylonitrile	ND		10		ug/L			05/24/24 13:43	1
Benzene	ND		0.20		ug/L			05/24/24 13:43	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 13:43	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 13:43	1
Bromoform	ND		0.50		ug/L			05/24/24 13:43	1
Bromomethane	ND		0.50		ug/L			05/24/24 13:43	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 13:43	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 13:43	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 13:43	1
Chloroethane	ND		0.50		ug/L			05/24/24 13:43	1
Chloroform	ND		0.20		ug/L			05/24/24 13:43	1
Chloromethane	ND		0.50		ug/L			05/24/24 13:43	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 13:43	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 13:43	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 13:43	1
Dibromomethane	ND		0.20		ug/L			05/24/24 13:43	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 13:43	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 13:43	1
Methyl iodide	ND		1.0		ug/L			05/24/24 13:43	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 13:43	1
o-Xylene	ND		0.50		ug/L			05/24/24 13:43	1
Styrene	ND		1.0		ug/L			05/24/24 13:43	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 13:43	1

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: Trip Blanks
Lab Sample ID: 580-140344-20
Date Collected: 05/22/24 13:30
Matrix: Water
Date Received: 05/22/24 17:00

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		ug/L			05/24/24 13:43	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 13:43	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 13:43	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 13:43	1
Trichloroethene	ND		0.20		ug/L			05/24/24 13:43	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 13:43	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 13:43	1
Vinyl chloride	ND		0.10		ug/L			05/24/24 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/24/24 13:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/24/24 13:43*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*05/24/24 13:43*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/24 13:43*	*1*

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

Lab Sample ID: MB 580-460435/11
Matrix: Water
Analysis Batch: 460435

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		ug/L			05/24/24 13:15	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/24/24 13:15	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/24/24 13:15	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/24/24 13:15	1
1,1-Dichloroethane	ND		0.20		ug/L			05/24/24 13:15	1
1,1-Dichloroethene	ND		0.20		ug/L			05/24/24 13:15	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/24/24 13:15	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/24/24 13:15	1
1,2-Dibromoethane	ND		0.15		ug/L			05/24/24 13:15	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/24/24 13:15	1
1,2-Dichloroethane	ND		0.25		ug/L			05/24/24 13:15	1
1,2-Dichloropropane	ND		0.20		ug/L			05/24/24 13:15	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/24/24 13:15	1
2-Butanone	ND		10		ug/L			05/24/24 13:15	1
2-Hexanone	ND		3.0		ug/L			05/24/24 13:15	1
4-Methyl-2-pentanone	ND		10		ug/L			05/24/24 13:15	1
Acetone	ND		10		ug/L			05/24/24 13:15	1
Acrylonitrile	ND		10		ug/L			05/24/24 13:15	1
Benzene	ND		0.20		ug/L			05/24/24 13:15	1
Bromochloromethane	ND		0.20		ug/L			05/24/24 13:15	1
Bromodichloromethane	ND		0.20		ug/L			05/24/24 13:15	1
Bromoform	ND		0.50		ug/L			05/24/24 13:15	1
Bromomethane	ND		0.50		ug/L			05/24/24 13:15	1
Carbon disulfide	ND		0.40		ug/L			05/24/24 13:15	1
Carbon tetrachloride	ND		0.20		ug/L			05/24/24 13:15	1
Chlorobenzene	ND		0.20		ug/L			05/24/24 13:15	1
Chloroethane	ND		0.50		ug/L			05/24/24 13:15	1
Chloroform	ND		0.20		ug/L			05/24/24 13:15	1
Chloromethane	ND		0.50		ug/L			05/24/24 13:15	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 13:15	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 13:15	1
Dibromochloromethane	ND		0.20		ug/L			05/24/24 13:15	1
Dibromomethane	ND		0.20		ug/L			05/24/24 13:15	1
Ethylbenzene	ND		0.20		ug/L			05/24/24 13:15	1
m,p-Xylene	ND		0.50		ug/L			05/24/24 13:15	1
Methyl iodide	ND		1.0		ug/L			05/24/24 13:15	1
Methylene Chloride	ND		5.0		ug/L			05/24/24 13:15	1
o-Xylene	ND		0.50		ug/L			05/24/24 13:15	1
Styrene	ND		1.0		ug/L			05/24/24 13:15	1
Tetrachloroethene	ND		0.50		ug/L			05/24/24 13:15	1
Toluene	ND		0.20		ug/L			05/24/24 13:15	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/24/24 13:15	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/24/24 13:15	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/24/24 13:15	1
Trichloroethene	ND		0.20		ug/L			05/24/24 13:15	1
Trichlorofluoromethane	ND		0.50		ug/L			05/24/24 13:15	1
Vinyl acetate	ND		2.0		ug/L			05/24/24 13:15	1
Vinyl chloride	ND		0.10		ug/L			05/24/24 13:15	1

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

Lab Sample ID: MB 580-460435/11
Matrix: Water
Analysis Batch: 460435

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		05/24/24 13:15	1
4-Bromofluorobenzene (Surr)	99		80 - 120		05/24/24 13:15	1
Dibromofluoromethane (Surr)	103		80 - 120		05/24/24 13:15	1
Toluene-d8 (Surr)	99		80 - 120		05/24/24 13:15	1

Lab Sample ID: LCS 580-460435/6
Matrix: Water
Analysis Batch: 460435

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	4.76		ug/L		95	69 - 127
1,1,1-Trichloroethane	5.00	4.72		ug/L		94	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.78		ug/L		96	67 - 136
1,1,2-Trichloroethane	5.00	4.70		ug/L		94	73 - 127
1,1-Dichloroethane	5.00	4.67		ug/L		93	74 - 120
1,1-Dichloroethene	5.00	4.58		ug/L		92	60 - 129
1,2,3-Trichloropropane	5.00	4.60		ug/L		92	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.22		ug/L		84	55 - 135
1,2-Dibromoethane	5.00	4.74		ug/L		95	61 - 143
1,2-Dichlorobenzene	5.00	4.69		ug/L		94	72 - 129
1,2-Dichloroethane	5.00	4.48		ug/L		90	74 - 127
1,2-Dichloropropane	5.00	4.79		ug/L		96	69 - 130
1,4-Dichlorobenzene	5.00	4.66		ug/L		93	71 - 129
2-Butanone	25.0	23.0		ug/L		92	37 - 150
2-Hexanone	25.0	23.6		ug/L		94	56 - 150
4-Methyl-2-pentanone	25.0	21.7		ug/L		87	63 - 137
Acetone	25.0	22.7		ug/L		91	49 - 150
Acrylonitrile	50.0	47.5		ug/L		95	50 - 145
Benzene	5.00	4.77		ug/L		95	80 - 120
Bromochloromethane	5.00	4.79		ug/L		96	79 - 121
Bromodichloromethane	5.00	4.73		ug/L		95	74 - 131
Bromoform	5.00	4.27		ug/L		85	48 - 127
Bromomethane	5.00	5.08		ug/L		102	51 - 148
Carbon disulfide	5.00	4.62		ug/L		92	54 - 142
Carbon tetrachloride	5.00	4.86		ug/L		97	66 - 130
Chlorobenzene	5.00	4.71		ug/L		94	74 - 123
Chloroethane	5.00	4.54		ug/L		91	54 - 140
Chloroform	5.00	4.81		ug/L		96	75 - 120
Chloromethane	5.00	4.14		ug/L		83	32 - 150
cis-1,2-Dichloroethene	5.00	4.73		ug/L		95	72 - 120
cis-1,3-Dichloropropene	5.00	4.45		ug/L		89	77 - 131
Dibromochloromethane	5.00	4.51		ug/L		90	62 - 141
Dibromomethane	5.00	4.67		ug/L		93	65 - 141
Ethylbenzene	5.00	4.92		ug/L		98	80 - 124
m,p-Xylene	5.00	4.82		ug/L		96	75 - 124
Methyl iodide	5.00	3.99		ug/L		80	60 - 128
Methylene Chloride	5.00	5.25		ug/L		105	40 - 142
o-Xylene	5.00	5.01		ug/L		100	71 - 124

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

Lab Sample ID: LCS 580-460435/6
Matrix: Water
Analysis Batch: 460435

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	4.85		ug/L		97	74 - 127
Tetrachloroethene	5.00	4.99		ug/L		100	75 - 124
Toluene	5.00	4.73		ug/L		95	80 - 126
trans-1,2-Dichloroethene	5.00	4.64		ug/L		93	69 - 121
trans-1,3-Dichloropropene	5.00	4.68		ug/L		94	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.39		ug/L		88	20 - 150
Trichloroethene	5.00	4.61		ug/L		92	72 - 120
Trichlorofluoromethane	5.00	4.85		ug/L		97	60 - 132
Vinyl acetate	12.5	13.3		ug/L		106	38 - 150
Vinyl chloride	5.00	4.58		ug/L		92	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-460435/7
Matrix: Water
Analysis Batch: 460435

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	4.81		ug/L		96	69 - 127	1	22
1,1,1-Trichloroethane	5.00	4.71		ug/L		94	70 - 121	0	24
1,1,2,2-Tetrachloroethane	5.00	4.90		ug/L		98	67 - 136	2	24
1,1,2-Trichloroethane	5.00	4.62		ug/L		92	73 - 127	2	22
1,1-Dichloroethane	5.00	4.85		ug/L		97	74 - 120	4	26
1,1-Dichloroethene	5.00	4.80		ug/L		96	60 - 129	5	29
1,2,3-Trichloropropane	5.00	4.70		ug/L		94	67 - 135	2	25
1,2-Dibromo-3-Chloropropane	5.00	4.17		ug/L		83	55 - 135	1	29
1,2-Dibromoethane	5.00	4.73		ug/L		95	61 - 143	0	22
1,2-Dichlorobenzene	5.00	4.73		ug/L		95	72 - 129	1	22
1,2-Dichloroethane	5.00	4.67		ug/L		93	74 - 127	4	21
1,2-Dichloropropane	5.00	4.91		ug/L		98	69 - 130	2	22
1,4-Dichlorobenzene	5.00	4.74		ug/L		95	71 - 129	2	22
2-Butanone	25.0	24.1		ug/L		96	37 - 150	4	35
2-Hexanone	25.0	24.5		ug/L		98	56 - 150	4	29
4-Methyl-2-pentanone	25.0	22.3		ug/L		89	63 - 137	3	26
Acetone	25.0	23.9		ug/L		96	49 - 150	5	24
Acrylonitrile	50.0	49.4		ug/L		99	50 - 145	4	33
Benzene	5.00	4.86		ug/L		97	80 - 120	2	22
Bromochloromethane	5.00	4.68		ug/L		94	79 - 121	2	20
Bromodichloromethane	5.00	4.87		ug/L		97	74 - 131	3	21
Bromoform	5.00	4.36		ug/L		87	48 - 127	2	23
Bromomethane	5.00	4.92		ug/L		98	51 - 148	3	35
Carbon disulfide	5.00	4.63		ug/L		93	54 - 142	0	34
Carbon tetrachloride	5.00	4.69		ug/L		94	66 - 130	3	24
Chlorobenzene	5.00	4.76		ug/L		95	74 - 123	1	21

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

Lab Sample ID: LCSD 580-460435/7
Matrix: Water
Analysis Batch: 460435

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	4.51		ug/L		90	54 - 140	1	33
Chloroform	5.00	4.85		ug/L		97	75 - 120	1	21
Chloromethane	5.00	4.07		ug/L		81	32 - 150	2	33
cis-1,2-Dichloroethene	5.00	4.80		ug/L		96	72 - 120	1	22
cis-1,3-Dichloropropene	5.00	4.50		ug/L		90	77 - 131	1	24
Dibromochloromethane	5.00	4.61		ug/L		92	62 - 141	2	22
Dibromomethane	5.00	4.82		ug/L		96	65 - 141	3	22
Ethylbenzene	5.00	4.91		ug/L		98	80 - 124	0	22
m,p-Xylene	5.00	4.78		ug/L		96	75 - 124	1	22
Methyl iodide	5.00	4.04		ug/L		81	60 - 128	1	39
Methylene Chloride	5.00	5.36		ug/L		107	40 - 142	2	25
o-Xylene	5.00	5.00		ug/L		100	71 - 124	0	23
Styrene	5.00	4.85		ug/L		97	74 - 127	0	22
Tetrachloroethene	5.00	4.88		ug/L		98	75 - 124	2	20
Toluene	5.00	4.70		ug/L		94	80 - 126	1	20
trans-1,2-Dichloroethene	5.00	4.75		ug/L		95	69 - 121	2	27
trans-1,3-Dichloropropene	5.00	4.91		ug/L		98	71 - 138	5	26
trans-1,4-Dichloro-2-butene	5.00	4.61		ug/L		92	20 - 150	5	35
Trichloroethene	5.00	4.71		ug/L		94	72 - 120	2	22
Trichlorofluoromethane	5.00	4.78		ug/L		96	60 - 132	1	32
Vinyl acetate	12.5	14.3		ug/L		114	38 - 150	7	35
Vinyl chloride	5.00	4.64		ug/L		93	41 - 150	1	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 580-460640/7
Matrix: Water
Analysis Batch: 460640

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		0.035		ug/L			05/28/24 15:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/28/24 15:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/28/24 15:21*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 125*		*05/28/24 15:21*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*05/28/24 15:21*	*1*

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

Lab Sample ID: LCS 580-460640/29
Matrix: Water
Analysis Batch: 460640

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	4.14		ug/L		83	68 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*68 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 125*
Dibromofluoromethane (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 580-460640/5
Matrix: Water
Analysis Batch: 460640

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	3.10	*- *1	ug/L		62	68 - 150	29	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 125*
Dibromofluoromethane (Surr)	*106*		*80 - 120*

Lab Sample ID: MB 580-461015/7
Matrix: Water
Analysis Batch: 461015

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		0.035		ug/L			05/31/24 15:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*05/31/24 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/31/24 15:26*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 125*		*05/31/24 15:26*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*05/31/24 15:26*	*1*

Lab Sample ID: LCS 580-461015/4
Matrix: Water
Analysis Batch: 461015

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	4.22		ug/L		84	68 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 120*
4-Bromofluorobenzene (Surr)	*112*		*80 - 125*
Dibromofluoromethane (Surr)	*109*		*80 - 120*

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

Lab Sample ID: LCSD 580-461015/5
Matrix: Water
Analysis Batch: 461015

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	4.12		ug/L		82	68 - 150	2	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 120*
4-Bromofluorobenzene (Surr)	*110*		*80 - 125*
Dibromofluoromethane (Surr)	*108*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-460683/23-A
Matrix: Water
Analysis Batch: 460838

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 460683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		05/28/24 17:25	05/29/24 13:22	1
Iron	ND		0.30		mg/L		05/28/24 17:25	05/29/24 13:22	1
Magnesium	ND		0.50		mg/L		05/28/24 17:25	05/29/24 13:22	1
Manganese	ND		0.020		mg/L		05/28/24 17:25	05/29/24 13:22	1
Potassium	ND		3.3		mg/L		05/28/24 17:25	05/29/24 13:22	1
Sodium	ND		0.50		mg/L		05/28/24 17:25	05/29/24 13:22	1

Lab Sample ID: LCS 580-460683/24-A
Matrix: Water
Analysis Batch: 460838

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 460683

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium			20.0	18.7		mg/L		94	80 - 120
Iron			20.0	21.0		mg/L		105	80 - 120
Magnesium			20.0	20.4		mg/L		102	80 - 120
Manganese			1.00	1.02		mg/L		102	80 - 120
Potassium			20.0	19.6		mg/L		98	80 - 120
Sodium			20.0	19.9		mg/L		100	80 - 120

Lab Sample ID: LCSD 580-460683/25-A
Matrix: Water
Analysis Batch: 460838

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 460683

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			20.0	18.7		mg/L		94	80 - 120	0	20
Iron			20.0	21.2		mg/L		106	80 - 120	1	20
Magnesium			20.0	20.7		mg/L		103	80 - 120	1	20
Manganese			1.00	1.03		mg/L		103	80 - 120	1	20
Potassium			20.0	19.7		mg/L		99	80 - 120	1	20
Sodium			20.0	20.2		mg/L		101	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-140344-1 MS — **Client Sample ID: 0524-02**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 460838 — **Prep Batch: 460683**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	65		20.0	82.7		mg/L		90	80 - 120
Iron	ND		20.0	20.9		mg/L		104	80 - 120
Magnesium	43		20.0	62.3		mg/L		97	80 - 120
Manganese	0.30		1.00	1.31		mg/L		101	80 - 120
Potassium	6.5		20.0	26.4		mg/L		99	80 - 120
Sodium	26		20.0	45.8		mg/L		99	80 - 120

Lab Sample ID: 580-140344-1 MSD — **Client Sample ID: 0524-02**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 460838 — **Prep Batch: 460683**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	65		20.0	83.5		mg/L		94	80 - 120	1	20
Iron	ND		20.0	20.8		mg/L		104	80 - 120	0	20
Magnesium	43		20.0	62.4		mg/L		98	80 - 120	0	20
Manganese	0.30		1.00	1.30		mg/L		100	80 - 120	0	20
Potassium	6.5		20.0	26.5		mg/L		100	80 - 120	0	20
Sodium	26		20.0	45.9		mg/L		100	80 - 120	0	20

Lab Sample ID: 580-140344-1 DU — **Client Sample ID: 0524-02**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 460838 — **Prep Batch: 460683**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	65		65.6		mg/L		1	20
Iron	ND		ND		mg/L		NC	20
Magnesium	43		43.3		mg/L		1	20
Manganese	0.30		0.299		mg/L		0.7	20
Potassium	6.5		6.53		mg/L		0.2	20
Sodium	26		26.2		mg/L		1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-460796/23-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 460939 — **Prep Batch: 460796**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 16:49	1
Arsenic	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 16:49	1
Barium	ND		0.0012		mg/L		05/29/24 16:01	05/30/24 16:49	1
Beryllium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:49	1
Cadmium	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:49	1
Chromium	ND		0.00080		mg/L		05/29/24 16:01	05/30/24 16:49	1
Cobalt	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:49	1
Copper	ND		0.0020		mg/L		05/29/24 16:01	05/30/24 16:49	1
Iron	ND		0.10		mg/L		05/29/24 16:01	05/30/24 16:49	1
Lead	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:49	1
Nickel	ND		0.0030		mg/L		05/29/24 16:01	05/30/24 16:49	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-460796/23-A
Matrix: Water
Analysis Batch: 460939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 460796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.0080		mg/L		05/29/24 16:01	05/30/24 16:49	1
Silver	ND		0.00040		mg/L		05/29/24 16:01	05/30/24 16:49	1
Thallium	ND		0.0010		mg/L		05/29/24 16:01	05/30/24 16:49	1
Vanadium	ND		0.0040		mg/L		05/29/24 16:01	05/30/24 16:49	1
Zinc	ND		0.0070		mg/L		05/29/24 16:01	05/30/24 16:49	1

Lab Sample ID: LCS 580-460796/24-A
Matrix: Water
Analysis Batch: 460939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 460796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.03		mg/L		103	80 - 120
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	1.00	1.11		mg/L		111	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.09		mg/L		109	80 - 120
Cobalt	1.00	1.03		mg/L		103	80 - 120
Copper	1.00	1.00		mg/L		100	80 - 120
Iron	20.0	21.1		mg/L		105	80 - 120
Lead	1.00	1.01		mg/L		101	80 - 120
Nickel	1.00	0.999		mg/L		100	80 - 120
Selenium	1.00	1.05		mg/L		105	80 - 120
Silver	1.00	1.01		mg/L		101	80 - 120
Thallium	1.00	1.01		mg/L		101	80 - 120
Vanadium	1.00	1.06		mg/L		106	80 - 120
Zinc	1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: LCSD 580-460796/25-A
Matrix: Water
Analysis Batch: 460939

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 460796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	1.04		mg/L		104	80 - 120	1	20
Arsenic	1.00	1.04		mg/L		104	80 - 120	3	20
Barium	1.00	1.02		mg/L		102	80 - 120	2	20
Beryllium	1.00	1.08		mg/L		108	80 - 120	3	20
Cadmium	1.00	1.04		mg/L		104	80 - 120	1	20
Chromium	1.00	1.07		mg/L		107	80 - 120	2	20
Cobalt	1.00	1.05		mg/L		105	80 - 120	2	20
Copper	1.00	1.03		mg/L		103	80 - 120	3	20
Iron	20.0	20.9		mg/L		104	80 - 120	1	20
Lead	1.00	1.02		mg/L		102	80 - 120	1	20
Nickel	1.00	1.03		mg/L		103	80 - 120	3	20
Selenium	1.00	1.03		mg/L		103	80 - 120	2	20
Silver	1.00	1.02		mg/L		102	80 - 120	1	20
Thallium	1.00	1.03		mg/L		103	80 - 120	2	20
Vanadium	1.00	1.05		mg/L		105	80 - 120	2	20
Zinc	1.00	1.14		mg/L		114	80 - 120	12	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-140344-1 MS
Matrix: Water
Analysis Batch: 460939

Client Sample ID: 0524-02
Prep Type: Total Recoverable
Prep Batch: 460796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	1.05		mg/L		105	80 - 120
Arsenic	0.0067		1.00	1.03		mg/L		103	80 - 120
Barium	0.030		1.00	1.04		mg/L		101	80 - 120
Beryllium	ND		1.00	1.07		mg/L		107	80 - 120
Cadmium	ND		1.00	1.03		mg/L		103	80 - 120
Chromium	ND		1.00	1.04		mg/L		104	80 - 120
Cobalt	ND		1.00	1.04		mg/L		104	80 - 120
Copper	ND		1.00	1.02		mg/L		102	80 - 120
Iron	ND		20.0	20.4		mg/L		102	80 - 120
Lead	ND		1.00	1.03		mg/L		103	80 - 120
Nickel	ND		1.00	1.02		mg/L		101	80 - 120
Selenium	ND		1.00	1.04		mg/L		104	80 - 120
Silver	ND		1.00	1.03		mg/L		103	80 - 120
Thallium	ND		1.00	1.04		mg/L		104	80 - 120
Vanadium	ND		1.00	1.03		mg/L		103	80 - 120
Zinc	ND		1.00	0.995		mg/L		99	80 - 120

Lab Sample ID: 580-140344-1 MSD
Matrix: Water
Analysis Batch: 460939

Client Sample ID: 0524-02
Prep Type: Total Recoverable
Prep Batch: 460796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	1.04		mg/L		104	80 - 120	1	20
Arsenic	0.0067		1.00	1.02		mg/L		101	80 - 120	1	20
Barium	0.030		1.00	1.03		mg/L		100	80 - 120	0	20
Beryllium	ND		1.00	1.09		mg/L		109	80 - 120	2	20
Cadmium	ND		1.00	1.03		mg/L		103	80 - 120	0	20
Chromium	ND		1.00	1.06		mg/L		106	80 - 120	2	20
Cobalt	ND		1.00	1.04		mg/L		104	80 - 120	0	20
Copper	ND		1.00	1.01		mg/L		101	80 - 120	1	20
Iron	ND		20.0	21.0		mg/L		104	80 - 120	3	20
Lead	ND		1.00	1.04		mg/L		104	80 - 120	0	20
Nickel	ND		1.00	1.01		mg/L		101	80 - 120	1	20
Selenium	ND		1.00	1.01		mg/L		101	80 - 120	3	20
Silver	ND		1.00	1.02		mg/L		102	80 - 120	1	20
Thallium	ND		1.00	1.07		mg/L		107	80 - 120	3	20
Vanadium	ND		1.00	1.05		mg/L		105	80 - 120	2	20
Zinc	ND		1.00	0.984		mg/L		98	80 - 120	1	20

Lab Sample ID: 580-140344-1 DU
Matrix: Water
Analysis Batch: 460939

Client Sample ID: 0524-02
Prep Type: Total Recoverable
Prep Batch: 460796

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	ND		ND		mg/L		NC	20
Arsenic	0.0067		0.00647		mg/L		4	20
Barium	0.030		0.0285		mg/L		5	20
Beryllium	ND		ND		mg/L		NC	20
Cadmium	ND		ND		mg/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-140344-1 DU
Matrix: Water
Analysis Batch: 460939

Client Sample ID: 0524-02
Prep Type: Total Recoverable
Prep Batch: 460796

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	ND		ND		mg/L		NC	20
Cobalt	ND		ND		mg/L		NC	20
Copper	ND		ND		mg/L		NC	20
Iron	ND		ND		mg/L		NC	20
Lead	ND		ND		mg/L		NC	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	ND		ND		mg/L		NC	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-460500/3
Matrix: Water
Analysis Batch: 460500

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			05/23/24 13:44	1
Chloride	ND		1.5		mg/L			05/23/24 13:44	1
Sulfate	ND		1.5		mg/L			05/23/24 13:44	1

Lab Sample ID: LCS 580-460500/4
Matrix: Water
Analysis Batch: 460500

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	5.22		mg/L		104	90 - 110
Chloride	50.0	51.7		mg/L		103	90 - 110
Sulfate	50.0	51.5		mg/L		103	90 - 110

Lab Sample ID: LCSD 580-460500/5
Matrix: Water
Analysis Batch: 460500

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	5.22		mg/L		104	90 - 110	0	15
Chloride	50.0	51.7		mg/L		103	90 - 110	0	15
Sulfate	50.0	51.5		mg/L		103	90 - 110	0	15

Lab Sample ID: 580-140344-1 MS
Matrix: Water
Analysis Batch: 460500

Client Sample ID: 0524-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND		5.00	5.36		mg/L		107	90 - 110
Chloride	34		50.0	81.2		mg/L		94	90 - 110
Sulfate	15		50.0	68.3		mg/L		106	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-140344-1 MSD
Matrix: Water
Analysis Batch: 460500

Client Sample ID: 0524-02
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	5.36		mg/L		107	90 - 110	0	15
Chloride	34		50.0	81.2		mg/L		94	90 - 110	0	15
Sulfate	15		50.0	68.2		mg/L		106	90 - 110	0	15

Lab Sample ID: MB 580-460532/3
Matrix: Water
Analysis Batch: 460532

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			05/24/24 13:02	1
Chloride	ND		1.5		mg/L			05/24/24 13:02	1
Sulfate	ND		1.5		mg/L			05/24/24 13:02	1

Lab Sample ID: LCS 580-460532/4
Matrix: Water
Analysis Batch: 460532

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	5.21		mg/L		104	90 - 110
Chloride	50.0	52.1		mg/L		104	90 - 110
Sulfate	50.0	51.8		mg/L		104	90 - 110

Lab Sample ID: LCSD 580-460532/5
Matrix: Water
Analysis Batch: 460532

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	5.22		mg/L		104	90 - 110	0	15
Chloride	50.0	52.2		mg/L		104	90 - 110	0	15
Sulfate	50.0	51.8		mg/L		104	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-447039/5-A
Matrix: Water
Analysis Batch: 447050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 447039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075		mg/L		06/03/24 09:05	06/03/24 12:09	1

Lab Sample ID: LCS 570-447039/6-A
Matrix: Water
Analysis Batch: 447050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 447039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.500	0.504		mg/L		101	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 570-447039/7-A
Matrix: Water
Analysis Batch: 447050

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 447039

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	0	20

Lab Sample ID: 580-140344-1 MS
Matrix: Water
Analysis Batch: 447050

Client Sample ID: 0524-02
Prep Type: Total/NA
Prep Batch: 447039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	ND		0.500	0.569		mg/L		109	90 - 110		

Lab Sample ID: 580-140344-1 MSD
Matrix: Water
Analysis Batch: 447050

Client Sample ID: 0524-02
Prep Type: Total/NA
Prep Batch: 447039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND		0.500	0.570		mg/L		109	90 - 110	0	25

Lab Sample ID: 580-140344-11 MS
Matrix: Water
Analysis Batch: 447050

Client Sample ID: 0524-18
Prep Type: Total/NA
Prep Batch: 447039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	ND		0.500	0.500		mg/L		100	90 - 110		

Lab Sample ID: 580-140344-11 MSD
Matrix: Water
Analysis Batch: 447050

Client Sample ID: 0524-18
Prep Type: Total/NA
Prep Batch: 447039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND		0.500	0.505		mg/L		101	90 - 110	1	25

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 580-460534/14
Matrix: Water
Analysis Batch: 460534

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		0.15		mg/L			05/24/24 16:15	1

Lab Sample ID: LCS 580-460534/15
Matrix: Water
Analysis Batch: 460534

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		

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCSD 580-460534/16
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460534

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N			2.50	2.25		mg/L		90	90 - 110	4	20

Lab Sample ID: MB 580-460859/14
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460859

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.15		mg/L			05/29/24 22:17	1

Lab Sample ID: LCS 580-460859/15
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460859

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			2.50	2.44		mg/L		97	90 - 110		

Lab Sample ID: LCSD 580-460859/16
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460859

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	0	20

Lab Sample ID: MB 580-460998/14
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.15		mg/L			05/30/24 19:11	1

Lab Sample ID: LCS 580-460998/15
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460998

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			2.50	2.32		mg/L		93	90 - 110		

Lab Sample ID: LCSD 580-460998/16
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460998

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N			2.50	2.30		mg/L		92	90 - 110	1	20

Lab Sample ID: 580-140344-8 MS
Client Sample ID: 0524-11
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 460998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	ND		2.50	2.43		mg/L		94	90 - 110		

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: 580-140344-8 MSD — **Client Sample ID: 0524-11**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460998

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		2.50	2.42		mg/L		93	90 - 110	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-460937/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460937

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	94.2		mg/L		94	85 - 115		

Lab Sample ID: 580-140344-1 DU — **Client Sample ID: 0524-02**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460937

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	290			297		mg/L				3	17
Bicarbonate Alkalinity as CaCO3	290			297		mg/L				3	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 580-460499/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460499

Analyte	MB Result	MB Qualifier	RL		RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10			mg/L			05/24/24 14:15	1

Lab Sample ID: LCS 580-460499/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460499

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	882		mg/L		88	80 - 120		

Lab Sample ID: 580-140344-2 DU — **Client Sample ID: 0524-03**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460499

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	940			927		mg/L				2	20

Lab Sample ID: 580-140344-9 DU — **Client Sample ID: 0524-16**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460499

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	830			851		mg/L				3	20

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 580-460626/1
Matrix: Water
Analysis Batch: 460626

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		mg/L			05/28/24 11:00	1

Lab Sample ID: LCS 580-460626/2
Matrix: Water
Analysis Batch: 460626

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	1030		mg/L		102	80 - 120		

Method: SM 5220D - COD

Lab Sample ID: MB 580-460516/3-A
Matrix: Water
Analysis Batch: 460536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 460516

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		05/24/24 15:11	05/24/24 19:33	1

Lab Sample ID: LCS 580-460516/4-A
Matrix: Water
Analysis Batch: 460536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 460516

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			75.0	63.4		mg/L		85	80 - 120		

Lab Sample ID: LCSD 580-460516/5-A
Matrix: Water
Analysis Batch: 460536

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 460516

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	66.5		mg/L		89	80 - 120	5	20

Lab Sample ID: 580-140344-1 MS
Matrix: Water
Analysis Batch: 460536

Client Sample ID: 0524-02
Prep Type: Total/NA
Prep Batch: 460516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	ND		25.0	24.5		mg/L		98	75 - 125		

Lab Sample ID: 580-140344-1 DU
Matrix: Water
Analysis Batch: 460536

Client Sample ID: 0524-02
Prep Type: Total/NA
Prep Batch: 460516

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 570-446382/33
Matrix: Water
Analysis Batch: 446382

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		mg/L			06/01/24 07:37	1

Lab Sample ID: LCS 570-446382/34
Matrix: Water
Analysis Batch: 446382

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	5.01		mg/L		100	85 - 115		

Lab Sample ID: LCSD 570-446382/35
Matrix: Water
Analysis Batch: 446382

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	5.05		mg/L		100	85 - 115	1	15

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-02
Lab Sample ID: 580-140344-1
Date Collected: 05/21/24 14:02
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 14:06
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 16:31
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 13:31
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 16:56
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 11:45
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:15
Total/NA	Analysis	353.2		1	460534	FCG	EET SEA	05/24/24 16:32
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 15:12
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 10:11

Client Sample ID: 0524-03
Lab Sample ID: 580-140344-2
Date Collected: 05/21/24 12:57
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 14:29
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 16:55
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:10
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:14
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 11:09
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:16
Total/NA	Analysis	353.2		1	460534	FCG	EET SEA	05/24/24 16:34
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 15:12
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 10:37

Client Sample ID: 0524-04
Lab Sample ID: 580-140344-3
Date Collected: 05/22/24 11:17
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 14:53

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-04
Lab Sample ID: 580-140344-3
Date Collected: 05/22/24 11:17
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 16:36
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:13
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:16
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 14:56
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:18
Total/NA	Analysis	353.2		1	460534	FCG	EET SEA	05/24/24 16:35
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 11:03

Client Sample ID: 0524-05
Lab Sample ID: 580-140344-4
Date Collected: 05/22/24 10:13
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 15:16
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 16:59
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:17
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:18
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 14:44
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:31
Total/NA	Analysis	353.2		1	460534	FCG	EET SEA	05/24/24 16:37
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		2	446382	ZL4M	EET CAL 4	06/01/24 11:29

Client Sample ID: 0524-06
Lab Sample ID: 580-140344-5
Date Collected: 05/21/24 15:25
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 15:39
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 21:57

Client Sample ID: 0524-06
Lab Sample ID: 580-140344-5

Date Collected: 05/21/24 15:25
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 13:59
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:25
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 13:20
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:20
Total/NA	Analysis	353.2		1	460534	FCG	EET SEA	05/24/24 16:39
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 15:12
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 11:55

Client Sample ID: 0524-07
Lab Sample ID: 580-140344-6

Date Collected: 05/21/24 09:55
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 16:02
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 17:18
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:20
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:27
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 10:10
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:22
Total/NA	Analysis	353.2		1	460859	FCG	EET SEA	05/29/24 23:04
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 15:12
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 12:21

Client Sample ID: 0524-08
Lab Sample ID: 580-140344-7

Date Collected: 05/21/24 11:20
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 16:26
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 17:41

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-08
Lab Sample ID: 580-140344-7
Date Collected: 05/21/24 11:20
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:24
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:29
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 10:33
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:24
Total/NA	Analysis	353.2		1	460859	FCG	EET SEA	05/29/24 22:44
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 12:47

Client Sample ID: 0524-11
Lab Sample ID: 580-140344-8
Date Collected: 05/21/24 11:28
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 16:49
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 18:04
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:27
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:32
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 10:45
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:26
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:33
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 13:13

Client Sample ID: 0524-16
Lab Sample ID: 580-140344-9
Date Collected: 05/21/24 16:03
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 17:12
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 18:28

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-16
Lab Sample ID: 580-140344-9
Date Collected: 05/21/24 16:03
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:39
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:34
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 13:32
Total/NA	Analysis	300.0		10	460532	CA	EET SEA	05/24/24 16:36
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:27
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:42
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 13:39

Client Sample ID: 0524-17
Lab Sample ID: 580-140344-10
Date Collected: 05/21/24 15:04
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 17:36
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 18:51
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:42
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:40
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 12:56
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:29
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:44
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 15:06

Client Sample ID: 0524-18
Lab Sample ID: 580-140344-11
Date Collected: 05/21/24 14:11
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 17:59
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 19:14

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-18
Lab Sample ID: 580-140344-11
Date Collected: 05/21/24 14:11
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:46
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:43
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 12:44
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:42
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 20:18
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 15:32

Client Sample ID: 0524-19
Lab Sample ID: 580-140344-12
Date Collected: 05/21/24 13:01
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 18:22
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 20:01
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:49
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:45
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 11:21
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:44
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:48
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 15:58

Client Sample ID: 0524-20
Lab Sample ID: 580-140344-13
Date Collected: 05/21/24 12:25
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 18:45
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 19:37

Client Sample ID: 0524-20
Lab Sample ID: 580-140344-13

Date Collected: 05/21/24 12:25
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:53
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:47
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 10:57
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:46
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 20:19
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 16:24

Client Sample ID: 0524-21
Lab Sample ID: 580-140344-14

Date Collected: 05/22/24 12:44
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 19:09
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 22:20
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:56
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:49
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 15:19
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:48
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 20:20
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 15:12
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 16:50

Client Sample ID: 0524-22
Lab Sample ID: 580-140344-15

Date Collected: 05/22/24 12:09
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 19:32
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 22:44

Client Sample ID: 0524-22
Lab Sample ID: 580-140344-15

Date Collected: 05/22/24 12:09
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 15:00
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:51
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 15:08
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:49
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:52
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:52
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:11
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 17:16

Client Sample ID: 0524-26
Lab Sample ID: 580-140344-16

Date Collected: 05/21/24 10:29
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 19:55
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 20:24
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 15:03
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:53
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 10:22
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:51
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:53
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:53
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:12
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 17:43

Client Sample ID: 0524-27
Lab Sample ID: 580-140344-17

Date Collected: 05/21/24 09:39
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 20:18
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 20:47

Client Sample ID: 0524-27
Lab Sample ID: 580-140344-17

Date Collected: 05/21/24 09:39
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 15:07
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:56
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 09:58
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:53
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:54
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:53
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:12
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 18:09

Client Sample ID: 0524-28
Lab Sample ID: 580-140344-18

Date Collected: 05/21/24 15:24
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 20:42
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 21:34
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:06
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:23
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 13:08
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:55
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:55
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:53
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 14:15
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:12
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 18:35

Client Sample ID: 0524-29
Lab Sample ID: 580-140344-19

Date Collected: 05/21/24 13:31
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 21:05
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 21:10

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-29
Lab Sample ID: 580-140344-19
Date Collected: 05/21/24 13:31
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			460683	MCMS	EET SEA	05/28/24 17:25
Dissolved	Analysis	6010D		1	460838	JLS	EET SEA	05/29/24 14:03
Total Recoverable	Prep	3005A			460796	BZ	EET SEA	05/29/24 16:01
Total Recoverable	Analysis	6020B		1	460939	FCW	EET SEA	05/30/24 17:20
Total/NA	Analysis	300.0		1	460500	CA	EET SEA	05/23/24 11:33
Total/NA	Prep	Distill/Ammonia			447039	UXCH	EET CAL 4	06/03/24 09:05
Total/NA	Analysis	350.1		1	447050	UXCH	EET CAL 4	06/03/24 12:57
Total/NA	Analysis	353.2		1	460998	FCG	EET SEA	05/30/24 19:57
Total/NA	Analysis	SM 2320B		1	460937	MLT	EET SEA	05/30/24 18:53
Total/NA	Analysis	SM 2540C		1	460499	MJ	EET SEA	05/24/24 15:12
Total/NA	Prep	SM 5220			460516	MLT	EET SEA	05/24/24 15:12
Total/NA	Analysis	SM 5220D		1	460536	MLT	EET SEA	05/24/24 19:33
Total/NA	Analysis	SM 5310D		1	446382	ZL4M	EET CAL 4	06/01/24 19:01

Client Sample ID: Trip Blanks
Lab Sample ID: 580-140344-20
Date Collected: 05/22/24 13:30
Matrix: Water
Date Received: 05/22/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460435	K1K	EET SEA	05/24/24 13:43
Total/NA	Analysis	8260D SIM		1	460640	AA	EET SEA	05/28/24 16:08

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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

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
353.2		Water	Nitrate Nitrite as N
8260D SIM		Water	Vinyl chloride
SM 2320B		Water	Alkalinity
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity as CaCO3
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	11-16-24
California	Los Angeles County Sanitation Districts	10109	08-01-24
California	State	3082	07-31-24
Kansas	NELAP	E-10420	08-01-24
Nevada	State	CA00111	07-31-24
Oregon	NELAP	4175	02-03-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

Sample Summary

Client: SCS Engineers
Job ID: 580-140344-1
Project/Site: Coupeville SW Facility GW Q2 2022

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-140344-1	0524-02	Water	05/21/24 14:02	05/22/24 17:00
580-140344-2	0524-03	Water	05/21/24 12:57	05/22/24 17:00
580-140344-3	0524-04	Water	05/22/24 11:17	05/22/24 17:00
580-140344-4	0524-05	Water	05/22/24 10:13	05/22/24 17:00
580-140344-5	0524-06	Water	05/21/24 15:25	05/22/24 17:00
580-140344-6	0524-07	Water	05/21/24 09:55	05/22/24 17:00
580-140344-7	0524-08	Water	05/21/24 11:20	05/22/24 17:00
580-140344-8	0524-11	Water	05/21/24 11:28	05/22/24 17:00
580-140344-9	0524-16	Water	05/21/24 16:03	05/22/24 17:00
580-140344-10	0524-17	Water	05/21/24 15:04	05/22/24 17:00
580-140344-11	0524-18	Water	05/21/24 14:11	05/22/24 17:00
580-140344-12	0524-19	Water	05/21/24 13:01	05/22/24 17:00
580-140344-13	0524-20	Water	05/21/24 12:25	05/22/24 17:00
580-140344-14	0524-21	Water	05/22/24 12:44	05/22/24 17:00
580-140344-15	0524-22	Water	05/22/24 12:09	05/22/24 17:00
580-140344-16	0524-26	Water	05/21/24 10:29	05/22/24 17:00
580-140344-17	0524-27	Water	05/21/24 09:39	05/22/24 17:00
580-140344-18	0524-28	Water	05/21/24 15:24	05/22/24 17:00
580-140344-19	0524-29	Water	05/21/24 13:31	05/22/24 17:00
580-140344-20	Trip Blanks	Water	05/22/24 13:30	05/22/24 17:00

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: AD / JE	Lab PM: Grant, Katie	Carrier Tracking No(s): —	COC No: 580-62364-18230.6
Client Contact: Jovany Estrada	Phone: 206-406-3241	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: WA	Page: ~~Page 6 of 6~~ 1 of 2
Company: SCS Engineers	PWSID:			Job #: 04224035.24
Address: 2405 140th Avenue NE Suite 107	Due Date Requested:			
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~~ 2024	Project #: 58017834			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
D - HNO3
A - HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	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	Special Instructions/Note:
			Preservation Code:				S	S	S	N	D	D	A	N	N		
0524-02	5/21/24	1402	G	Water	Y	N	X	X	X	X	X	X	X	X	X		
0524-03	5/21/24	1257		Water	Y												0524-05 - Please
0524-04	5/22/24	1117		Water	Y												filter.
0524-05	5/22/24	1013		Water	N												
0524-06	5/21/24	1525			Y												
0524-07	5/21/24	0955															
0524-08	5/21/24	1120															
0524-11	5/21/24	1128															
0524-16	5/21/24	1603															
0524-17	5/21/24	1504															
0524-18	5/21/24	1411															

580-140344 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if sa...
☐ 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:	Date/Time:	Company	Received by:	Date/Time:	Company
Alex Deszo 1700	5/22/24	SCS		5/22/24 1700	EETN
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

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAD IJE	Lab PM: Grant, Katie	Carrier Tracking No(s): —	COC No: 580-62364-18230.5
Client Contact: Jovany Estrada	Phone: 206-406-3241	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: WA	Page: ~~Page 3 of 6~~ 2 of 2
Company: SCS Engineers	PWSID:			Job #: 04224035.24
Address: 2405 140th Avenue NE Suite 107	Due Date Requested:			
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~~ 2024	Project #: 58017834			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
D - HNO3
A - HCL
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	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	Special Instructions/Note:
			Preservation Code:				S	S	S	N	D	D	A	N	N		
0524-19	5/21/24	1301	G	Water	Y	N	X	X	X	X	X	X	X	X	X		
0524-20	5/21/24	1225		Water													
0524-21	5/22/24	1244		Water													
0524-22	5/22/24	1209		Water													
0524-26	5/21/24	1029		Water													
0524-27	5/21/24	0959		Water													
0524-28	5/21/24	1529		Water													
0524-29	5/21/24	1321		Water													
Trip Blanks	5/22/24	1330		Water									X				
				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:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Alex Dozo 1700	5/22/24	SCS	C Hop	5/22/24 1700	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other R

SCS Engineers

IR II ~~8.1/~~ 7.1/6.6
LB/wet/bwb/cD

1/5

IR II 5.3/4.8
LB/wet/bwb/cD

2/5

IR II 5.7/5.2
LB/wet/bwb/cD

3/5

IR II 3.4/2.9
LB/wet/bwb/cD

4/5

IR II 5.1/4.6
LB/wet/bwb/cD

5/5

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins

Loc: 580
140344

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-133450.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 3
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-140344-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 6/4/2024			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q2 2022	Project #: 58017834			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
-

Other:

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)	SM5310D/ Total Organic Carbon	350.1/Distill_Ammonia (MOD) Copy Analytes	Total Number of containers	Special Instructi
			Preservation Code:							
0524-02 (580-140344-1)	5/21/24	14:02 Pacific		Water			X	X	2	
0524-03 (580-140344-2)	5/21/24	12:57 Pacific		Water			X	X	2	
0524-04 (580-140344-3)	5/22/24	11:17 Pacific		Water			X	X	2	
0524-05 (580-140344-4)	5/22/24	10:13 Pacific		Water			X	X	2	
0524-06 (580-140344-5)	5/21/24	15:25 Pacific		Water			X	X	2	
0524-07 (580-140344-6)	5/21/24	09:55 Pacific		Water			X	X	2	
0524-08 (580-140344-7)	5/21/24	11:20 Pacific		Water			X	X	2	
0524-11 (580-140344-8)	5/21/24	11:28 Pacific		Water			X	X	2	
0524-16 (580-140344-9)	5/21/24	16:03 Pacific		Water			X	X	2	

580-140344 Chain of Custody

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 *Unconfirmed*	***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) 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:	Company
[signature]	5/24/24 1414	EETN	FEDEX		
Relinquished by: FEDEX	Date/Time:	Company	Received by: [signature]	Date/Time: 5/25/24 9:45	Company EE
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: 3.1/3.2 SC/4

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-133450.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 3
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-140344-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 6/4/2024	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q2 2022	Project #: 58017834			
Site:	SSOW#:			Other:

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)	SM5310D/ Total Organic Carbon	350.1/Distill_Ammonia (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
0524-17 (580-140344-10)	5/21/24	15:04 Pacific		Water			X	X	2	
0524-18 (580-140344-11)	5/21/24	14:11 Pacific		Water			X	X	2	
0524-19 (580-140344-12)	5/21/24	13:01 Pacific		Water			X	X	2	
0524-20 (580-140344-13)	5/21/24	12:25 Pacific		Water			X	X	2	
0524-21 (580-140344-14)	5/22/24	12:44 Pacific		Water			X	X	2	
0524-22 (580-140344-15)	5/22/24	12:09 Pacific		Water			X	X	2	
0524-26 (580-140344-16)	5/21/24	10:29 Pacific		Water			X	X	2	
0524-27 (580-140344-17)	5/21/24	09:39 Pacific		Water			X	X	2	
0524-28 (580-140344-18)	5/21/24	15:24 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) 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:	Company
[signature]	5/24/24 1414	EETN	FEDEX		
Relinquished by: FEDEX	Date/Time:	Company	Received by: [signature]	Date/Time: 5/25/24 9:45	Company CL
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:

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-133450.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: Washington	Page: Page 3 of 3
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-140344-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 6/4/2024	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q2 2022	Project #: 58017834			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/oil, BT=Tissue, A=Air)	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	Special Instructions/Note:
			Preservation Code:							
0524-29 (580-140344-19)	5/21/24	13:31 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) 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:	Company
[signature]	5/24/24 1414	EETN	FEDEx		
Relinquished by: FEDEx	Date/Time:	Company	Received by: [signature]	Date/Time: 5/25/24 9:45	Company EL
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:

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-140344-1

Login Number: 140344

List Source: Eurofins Seattle

List Number: 1

Creator: Prigge, Madison

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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: 580-140344-1

Login Number: 140344
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 05/28/24 02:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	3.2
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?	N/A	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/7/2024 2:49:57 PM

JOB DESCRIPTION

Coupeville SW Facility GW Q2 2022

JOB NUMBER

580-140446-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

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



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6/7/2024 2:49:57 PM

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

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Job ID: 580-140446-1 Eurofins Seattle

Job Narrative
580-140446-1

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 5/24/2024 11:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 6.2°C and 9.1°C.

Receipt Exceptions
The following samples were received at the laboratory outside the required temperature criteria: 0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11). This does not meet regulatory requirements. Ice present in coolers. Client and PM verification pending.0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11)

All sample containers except for 40 mL voa vials HCl preserved do not have labels. Samples were located in separate bags. Unlabeled containers were logged as the same sample of the labeled voas in their bag. Containers logged in reference to COC. Client and PM verification pending.0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11)

The container label for the following sample container (one 40 mL voa vial HCl preserved) did not match the information listed on the Chain-of-Custody (COC): 0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11). The container labels list the sample ID as 0524-12 and a sample date and time of 5/23/24 and 1210, while the COC lists the sample ID as 0524-15 and a sample date and time of 1210. This container was located in the same bag as the other containers in sample 6. Logged in reference to COC sample 6 sample ID, date, and time. Client and PM verification pending.0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11)

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11). The container label for one 40 mL voa vial HCl preserved lists the sample ID as 0524-10 with a sample collection date and time of 5/22/24 and 1140, while the COC lists the sample ID as 0524-10 with a sample collection date and time of 5/22/24 and 1143. Logged in reference to COC. Client and PM verification pending.0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11)

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): 0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11). The container labels list the sample ID as 0524-14 with a sample collection date and time of 5/22/24 and 1445, while the COC lists the sample ID as 0524-14 with a sample collection date and time of 5/23/24 and 1445. Logged in reference to COC. Client and PM verification pending.0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7), 0524-23 (580-140446-8),

0524-14 (580-140446-9), Trip Blanks (580-140446-10) and 0524-24 (580-140446-11)

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-460634 recovered above the upper control limit for Methylene Chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 0524-10 (580-140446-1), 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6) and (CCVIS 580-460634/4).

Method 8260D_LL: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-460634 recovered outside control limits for the following analytes: Methylene Chloride. 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 continuing calibration verification (CCV) associated with batch 580-460634 recovered outside acceptance criteria, low biased, for trans-1,4-Dichloro-2-butene. 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 continuing calibration verification (CCV) associated with batch 580-460682 recovered above the upper control limit for Methylene Chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 0524-25 (580-140446-7), 0524-23 (580-140446-8), 0524-14 (580-140446-9), Trip Blanks (580-140446-10) and (MB 580-460682/7).

Method 8260D_LL: The laboratory control sample duplicate (LCSD) for analytical batch 580-460682 recovered outside control limits for the following analytes: Methylene Chloride. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-460682 recovered outside acceptance criteria, low biased, for trans-1,4-Dichloro-2-butene and Vinyl acetate. 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_SIM_AK: Surrogate Dibromofluoromethane (Surr) recovery for the following samples were outside the upper control limit: 0524-09 (580-140446-2), 0524-01 (580-140446-3), 0524-13 (580-140446-4), 0524-12 (580-140446-5), 0524-15 (580-140446-6), 0524-25 (580-140446-7) and 0524-14 (580-140446-9). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Metals
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.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

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.

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

Job ID: 580-140446-1

Client Sample ID: 0524-10
Date Collected: 05/22/24 11:43
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-1
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		ug/L			05/31/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/31/24 18:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 120*		*05/31/24 18:09*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 125*		*05/31/24 18:09*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 120*		*05/31/24 18:09*	*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		ug/L			05/28/24 20:00	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/28/24 20:00	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/28/24 20:00	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/28/24 20:00	1
1,1-Dichloroethane	ND		0.20		ug/L			05/28/24 20:00	1
1,1-Dichloroethene	ND		0.20		ug/L			05/28/24 20:00	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/28/24 20:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/28/24 20:00	1
1,2-Dibromoethane	ND		0.15		ug/L			05/28/24 20:00	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/28/24 20:00	1
1,2-Dichloroethane	ND		0.25		ug/L			05/28/24 20:00	1
1,2-Dichloropropane	ND		0.20		ug/L			05/28/24 20:00	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/28/24 20:00	1
2-Butanone	ND		10		ug/L			05/28/24 20:00	1
2-Hexanone	ND		3.0		ug/L			05/28/24 20:00	1
4-Methyl-2-pentanone	ND		10		ug/L			05/28/24 20:00	1
Acetone	ND		10		ug/L			05/28/24 20:00	1
Acrylonitrile	ND		10		ug/L			05/28/24 20:00	1
Benzene	ND		0.20		ug/L			05/28/24 20:00	1
Bromochloromethane	ND		0.20		ug/L			05/28/24 20:00	1
Bromodichloromethane	ND		0.20		ug/L			05/28/24 20:00	1
Bromoform	ND		0.50		ug/L			05/28/24 20:00	1
Bromomethane	ND		0.50		ug/L			05/28/24 20:00	1
Carbon disulfide	ND		0.40		ug/L			05/28/24 20:00	1
Carbon tetrachloride	ND		0.20		ug/L			05/28/24 20:00	1
Chlorobenzene	ND		0.20		ug/L			05/28/24 20:00	1
Chloroethane	ND		0.50		ug/L			05/28/24 20:00	1
Chloroform	ND		0.20		ug/L			05/28/24 20:00	1
Chloromethane	ND		0.50		ug/L			05/28/24 20:00	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 20:00	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 20:00	1
Dibromochloromethane	ND		0.20		ug/L			05/28/24 20:00	1
Dibromomethane	ND		0.20		ug/L			05/28/24 20:00	1
Ethylbenzene	ND		0.20		ug/L			05/28/24 20:00	1
m,p-Xylene	ND		0.50		ug/L			05/28/24 20:00	1
Methyl iodide	ND		1.0		ug/L			05/28/24 20:00	1
Methylene Chloride	ND	*+	5.0		ug/L			05/28/24 20:00	1
o-Xylene	ND		0.50		ug/L			05/28/24 20:00	1
Styrene	ND		1.0		ug/L			05/28/24 20:00	1
Tetrachloroethene	ND		0.50		ug/L			05/28/24 20:00	1

Client Sample ID: 0524-10
Lab Sample ID: 580-140446-1
Date Collected: 05/22/24 11:43
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/28/24 20:00	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 20:00	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 20:00	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/28/24 20:00	1
Trichloroethene	ND		0.20		ug/L			05/28/24 20:00	1
Trichlorofluoromethane	ND		0.50		ug/L			05/28/24 20:00	1
Vinyl acetate	ND		2.0		ug/L			05/28/24 20:00	1
Vinyl chloride	ND		0.10		ug/L			05/28/24 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/28/24 20:00*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*05/28/24 20:00*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/28/24 20:00*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/28/24 20:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**54**		0.50		mg/L		06/03/24 11:17	06/04/24 18:22	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 18:22	1
Magnesium	**36**		0.50		mg/L		06/03/24 11:17	06/04/24 18:22	1
Manganese	ND		0.020		mg/L		06/03/24 11:17	06/04/24 18:22	1
Potassium	**5.6**		3.3		mg/L		06/03/24 11:17	06/04/24 18:22	1
Sodium	**25**		0.50		mg/L		06/03/24 11:17	06/04/24 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 13:48	1
Arsenic	**0.0074**		0.0010		mg/L		06/03/24 16:47	06/04/24 13:48	1
Barium	**0.016**		0.0012		mg/L		06/03/24 16:47	06/05/24 11:58	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:48	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:48	1
Chromium	**0.0012**		0.00080		mg/L		06/03/24 16:47	06/04/24 13:48	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:48	1
Copper	ND		0.0020		mg/L		06/03/24 16:47	06/04/24 13:48	1
Iron	ND		0.10		mg/L		06/03/24 16:47	06/04/24 13:48	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:48	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/04/24 13:48	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 13:48	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:48	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 13:48	1
Vanadium	ND		0.0040		mg/L		06/03/24 16:47	06/04/24 13:48	1
Zinc	ND		0.0070		mg/L		06/03/24 16:47	06/04/24 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 14:15	1
Chloride (EPA 300.0)	**36**		1.5		mg/L			05/28/24 14:15	1
Sulfate (EPA 300.0)	**39**		1.5		mg/L			05/28/24 14:15	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:06	1
Nitrate Nitrite as N (EPA 353.2)	**0.62**		0.15		mg/L			06/05/24 16:45	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-10
Date Collected: 05/22/24 11:43
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	**1.5**		1.5		mg/L			05/29/24 01:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**240**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**240**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**380**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/25/24 18:20	05/25/24 21:19	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-09
Date Collected: 05/22/24 10:48
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-2
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		0.020		ug/L			05/31/24 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/31/24 18:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 120*		*05/31/24 18:32*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 125*		*05/31/24 18:32*	*1*
Dibromofluoromethane (Surr)	*121*	*S1+*	*80 - 120*		*05/31/24 18:32*	*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		ug/L			05/28/24 19:37	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/28/24 19:37	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/28/24 19:37	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/28/24 19:37	1
1,1-Dichloroethane	ND		0.20		ug/L			05/28/24 19:37	1
1,1-Dichloroethene	ND		0.20		ug/L			05/28/24 19:37	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/28/24 19:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/28/24 19:37	1
1,2-Dibromoethane	ND		0.15		ug/L			05/28/24 19:37	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/28/24 19:37	1
1,2-Dichloroethane	ND		0.25		ug/L			05/28/24 19:37	1
1,2-Dichloropropane	ND		0.20		ug/L			05/28/24 19:37	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/28/24 19:37	1
2-Butanone	ND		10		ug/L			05/28/24 19:37	1
2-Hexanone	ND		3.0		ug/L			05/28/24 19:37	1
4-Methyl-2-pentanone	ND		10		ug/L			05/28/24 19:37	1
Acetone	ND		10		ug/L			05/28/24 19:37	1
Acrylonitrile	ND		10		ug/L			05/28/24 19:37	1
Benzene	ND		0.20		ug/L			05/28/24 19:37	1
Bromochloromethane	ND		0.20		ug/L			05/28/24 19:37	1
Bromodichloromethane	ND		0.20		ug/L			05/28/24 19:37	1
Bromoform	ND		0.50		ug/L			05/28/24 19:37	1
Bromomethane	ND		0.50		ug/L			05/28/24 19:37	1
Carbon disulfide	ND		0.40		ug/L			05/28/24 19:37	1
Carbon tetrachloride	ND		0.20		ug/L			05/28/24 19:37	1
Chlorobenzene	ND		0.20		ug/L			05/28/24 19:37	1
Chloroethane	ND		0.50		ug/L			05/28/24 19:37	1
Chloroform	ND		0.20		ug/L			05/28/24 19:37	1
Chloromethane	ND		0.50		ug/L			05/28/24 19:37	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 19:37	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 19:37	1
Dibromochloromethane	ND		0.20		ug/L			05/28/24 19:37	1
Dibromomethane	ND		0.20		ug/L			05/28/24 19:37	1
Ethylbenzene	ND		0.20		ug/L			05/28/24 19:37	1
m,p-Xylene	ND		0.50		ug/L			05/28/24 19:37	1
Methyl iodide	ND		1.0		ug/L			05/28/24 19:37	1
Methylene Chloride	ND	*+	5.0		ug/L			05/28/24 19:37	1
o-Xylene	ND		0.50		ug/L			05/28/24 19:37	1
Styrene	ND		1.0		ug/L			05/28/24 19:37	1
Tetrachloroethene	ND		0.50		ug/L			05/28/24 19:37	1

Client Sample ID: 0524-09
Lab Sample ID: 580-140446-2
Date Collected: 05/22/24 10:48
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/28/24 19:37	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 19:37	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 19:37	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/28/24 19:37	1
Trichloroethene	ND		0.20		ug/L			05/28/24 19:37	1
Trichlorofluoromethane	ND		0.50		ug/L			05/28/24 19:37	1
Vinyl acetate	ND		2.0		ug/L			05/28/24 19:37	1
Vinyl chloride	ND		0.10		ug/L			05/28/24 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/28/24 19:37*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/28/24 19:37*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/28/24 19:37*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/28/24 19:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		06/03/24 11:17	06/04/24 17:55	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 17:55	1
Magnesium	**41**		0.50		mg/L		06/03/24 11:17	06/04/24 17:55	1
Manganese	ND		0.020		mg/L		06/03/24 11:17	06/04/24 17:55	1
Potassium	**5.6**		3.3		mg/L		06/03/24 11:17	06/04/24 17:55	1
Sodium	**20**		0.50		mg/L		06/03/24 11:17	06/04/24 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:08	1
Arsenic	**0.0023**		0.0010		mg/L		06/03/24 16:47	06/04/24 14:08	1
Barium	**0.035**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:18	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:08	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:08	1
Chromium	**0.0044**		0.00080		mg/L		06/03/24 16:47	06/04/24 14:08	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:08	1
Copper	**0.0033**		0.0020		mg/L		06/03/24 16:47	06/04/24 14:08	1
Iron	ND		0.10		mg/L		06/03/24 16:47	06/04/24 14:08	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:08	1
Nickel	**0.0045**		0.0030		mg/L		06/03/24 16:47	06/04/24 14:08	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 14:08	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:08	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 14:08	1
Vanadium	**0.0051**		0.0040		mg/L		06/03/24 16:47	06/04/24 14:08	1
Zinc	ND		0.0070		mg/L		06/03/24 16:47	06/04/24 14:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 14:27	1
Chloride (EPA 300.0)	**24**		1.5		mg/L			05/28/24 14:27	1
Sulfate (EPA 300.0)	**110**		3.0		mg/L			05/28/24 16:38	2
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:08	1
Nitrate Nitrite as N (EPA 353.2)	**4.8**		0.15		mg/L			06/05/24 16:51	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-09
Lab Sample ID: 580-140446-2
Date Collected: 05/22/24 10:48
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			05/29/24 02:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**320**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**320**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**640**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/25/24 18:20	05/25/24 21:19	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-01
Date Collected: 05/23/24 10:00
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-3
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		ug/L			05/31/24 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/31/24 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 120*		*05/31/24 18:55*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 125*		*05/31/24 18:55*	*1*
Dibromofluoromethane (Surr)	*121*	*S1+*	*80 - 120*		*05/31/24 18:55*	*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		ug/L			05/28/24 19:14	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/28/24 19:14	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/28/24 19:14	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/28/24 19:14	1
1,1-Dichloroethane	ND		0.20		ug/L			05/28/24 19:14	1
1,1-Dichloroethene	ND		0.20		ug/L			05/28/24 19:14	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/28/24 19:14	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/28/24 19:14	1
1,2-Dibromoethane	ND		0.15		ug/L			05/28/24 19:14	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/28/24 19:14	1
1,2-Dichloroethane	ND		0.25		ug/L			05/28/24 19:14	1
1,2-Dichloropropane	ND		0.20		ug/L			05/28/24 19:14	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/28/24 19:14	1
2-Butanone	ND		10		ug/L			05/28/24 19:14	1
2-Hexanone	ND		3.0		ug/L			05/28/24 19:14	1
4-Methyl-2-pentanone	ND		10		ug/L			05/28/24 19:14	1
Acetone	ND		10		ug/L			05/28/24 19:14	1
Acrylonitrile	ND		10		ug/L			05/28/24 19:14	1
Benzene	ND		0.20		ug/L			05/28/24 19:14	1
Bromochloromethane	ND		0.20		ug/L			05/28/24 19:14	1
Bromodichloromethane	ND		0.20		ug/L			05/28/24 19:14	1
Bromoform	ND		0.50		ug/L			05/28/24 19:14	1
Bromomethane	ND		0.50		ug/L			05/28/24 19:14	1
Carbon disulfide	ND		0.40		ug/L			05/28/24 19:14	1
Carbon tetrachloride	ND		0.20		ug/L			05/28/24 19:14	1
Chlorobenzene	ND		0.20		ug/L			05/28/24 19:14	1
Chloroethane	ND		0.50		ug/L			05/28/24 19:14	1
Chloroform	ND		0.20		ug/L			05/28/24 19:14	1
Chloromethane	ND		0.50		ug/L			05/28/24 19:14	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 19:14	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 19:14	1
Dibromochloromethane	ND		0.20		ug/L			05/28/24 19:14	1
Dibromomethane	ND		0.20		ug/L			05/28/24 19:14	1
Ethylbenzene	ND		0.20		ug/L			05/28/24 19:14	1
m,p-Xylene	ND		0.50		ug/L			05/28/24 19:14	1
Methyl iodide	ND		1.0		ug/L			05/28/24 19:14	1
Methylene Chloride	ND	*+	5.0		ug/L			05/28/24 19:14	1
o-Xylene	ND		0.50		ug/L			05/28/24 19:14	1
Styrene	ND		1.0		ug/L			05/28/24 19:14	1
Tetrachloroethene	ND		0.50		ug/L			05/28/24 19:14	1

Client Sample ID: 0524-01
Lab Sample ID: 580-140446-3
Date Collected: 05/23/24 10:00
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/28/24 19:14	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 19:14	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 19:14	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/28/24 19:14	1
Trichloroethene	ND		0.20		ug/L			05/28/24 19:14	1
Trichlorofluoromethane	ND		0.50		ug/L			05/28/24 19:14	1
Vinyl acetate	ND		2.0		ug/L			05/28/24 19:14	1
Vinyl chloride	ND		0.10		ug/L			05/28/24 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/28/24 19:14*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/28/24 19:14*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/28/24 19:14*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/28/24 19:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**64**		0.50		mg/L		06/03/24 11:17	06/04/24 18:25	1
Iron	**0.54**		0.30		mg/L		06/03/24 11:17	06/04/24 18:25	1
Magnesium	**48**		0.50		mg/L		06/03/24 11:17	06/04/24 18:25	1
Manganese	**0.18**		0.020		mg/L		06/03/24 11:17	06/04/24 18:25	1
Potassium	**6.4**		3.3		mg/L		06/03/24 11:17	06/04/24 18:25	1
Sodium	**26**		0.50		mg/L		06/03/24 11:17	06/04/24 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:10	1
Arsenic	**0.0065**		0.0010		mg/L		06/03/24 16:47	06/04/24 14:10	1
Barium	**0.030**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:20	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:10	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:10	1
Chromium	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:10	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:10	1
Copper	ND		0.0020		mg/L		06/03/24 16:47	06/04/24 14:10	1
Iron	**0.72**		0.10		mg/L		06/03/24 16:47	06/04/24 14:10	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:10	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/04/24 14:10	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 14:10	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:10	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 14:10	1
Vanadium	ND		0.0040		mg/L		06/03/24 16:47	06/04/24 14:10	1
Zinc	**0.050**		0.0070		mg/L		06/03/24 16:47	06/04/24 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 10:52	1
Chloride (EPA 300.0)	**23**		1.5		mg/L			05/28/24 10:52	1
Sulfate (EPA 300.0)	**26**		1.5		mg/L			05/28/24 10:52	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:10	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			06/05/24 16:53	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-01
Lab Sample ID: 580-140446-3
Date Collected: 05/23/24 10:00
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			05/29/24 03:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**340**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**340**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**480**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/25/24 18:20	05/25/24 21:19	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-13
Date Collected: 05/23/24 11:07
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-4
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		ug/L			05/31/24 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/31/24 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 120*		*05/31/24 19:18*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 125*		*05/31/24 19:18*	*1*
Dibromofluoromethane (Surr)	*122*	*S1+*	*80 - 120*		*05/31/24 19:18*	*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		ug/L			05/28/24 18:05	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/28/24 18:05	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/28/24 18:05	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/28/24 18:05	1
1,1-Dichloroethane	ND		0.20		ug/L			05/28/24 18:05	1
1,1-Dichloroethene	ND		0.20		ug/L			05/28/24 18:05	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/28/24 18:05	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/28/24 18:05	1
1,2-Dibromoethane	ND		0.15		ug/L			05/28/24 18:05	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/28/24 18:05	1
1,2-Dichloroethane	ND		0.25		ug/L			05/28/24 18:05	1
1,2-Dichloropropane	ND		0.20		ug/L			05/28/24 18:05	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/28/24 18:05	1
2-Butanone	ND		10		ug/L			05/28/24 18:05	1
2-Hexanone	ND		3.0		ug/L			05/28/24 18:05	1
4-Methyl-2-pentanone	ND		10		ug/L			05/28/24 18:05	1
Acetone	ND		10		ug/L			05/28/24 18:05	1
Acrylonitrile	ND		10		ug/L			05/28/24 18:05	1
Benzene	ND		0.20		ug/L			05/28/24 18:05	1
Bromochloromethane	ND		0.20		ug/L			05/28/24 18:05	1
Bromodichloromethane	ND		0.20		ug/L			05/28/24 18:05	1
Bromoform	ND		0.50		ug/L			05/28/24 18:05	1
Bromomethane	ND		0.50		ug/L			05/28/24 18:05	1
Carbon disulfide	ND		0.40		ug/L			05/28/24 18:05	1
Carbon tetrachloride	ND		0.20		ug/L			05/28/24 18:05	1
Chlorobenzene	ND		0.20		ug/L			05/28/24 18:05	1
Chloroethane	ND		0.50		ug/L			05/28/24 18:05	1
Chloroform	ND		0.20		ug/L			05/28/24 18:05	1
Chloromethane	ND		0.50		ug/L			05/28/24 18:05	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 18:05	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 18:05	1
Dibromochloromethane	ND		0.20		ug/L			05/28/24 18:05	1
Dibromomethane	ND		0.20		ug/L			05/28/24 18:05	1
Ethylbenzene	ND		0.20		ug/L			05/28/24 18:05	1
m,p-Xylene	ND		0.50		ug/L			05/28/24 18:05	1
Methyl iodide	ND		1.0		ug/L			05/28/24 18:05	1
Methylene Chloride	ND	*+	5.0		ug/L			05/28/24 18:05	1
o-Xylene	ND		0.50		ug/L			05/28/24 18:05	1
Styrene	ND		1.0		ug/L			05/28/24 18:05	1
Tetrachloroethene	ND		0.50		ug/L			05/28/24 18:05	1

Client Sample ID: 0524-13
Lab Sample ID: 580-140446-4
Date Collected: 05/23/24 11:07
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/28/24 18:05	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 18:05	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 18:05	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/28/24 18:05	1
Trichloroethene	ND		0.20		ug/L			05/28/24 18:05	1
Trichlorofluoromethane	ND		0.50		ug/L			05/28/24 18:05	1
Vinyl acetate	ND		2.0		ug/L			05/28/24 18:05	1
Vinyl chloride	ND		0.10		ug/L			05/28/24 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/28/24 18:05*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/28/24 18:05*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*05/28/24 18:05*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/28/24 18:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**72**		0.50		mg/L		06/03/24 11:17	06/04/24 18:29	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 18:29	1
Magnesium	**53**		0.50		mg/L		06/03/24 11:17	06/04/24 18:29	1
Manganese	**0.18**		0.020		mg/L		06/03/24 11:17	06/04/24 18:29	1
Potassium	**6.1**		3.3		mg/L		06/03/24 11:17	06/04/24 18:29	1
Sodium	**34**		0.50		mg/L		06/03/24 11:17	06/04/24 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:12	1
Arsenic	**0.0057**		0.0010		mg/L		06/03/24 16:47	06/04/24 14:12	1
Barium	**0.032**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:23	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:12	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:12	1
Chromium	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:12	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:12	1
Copper	ND		0.0020		mg/L		06/03/24 16:47	06/04/24 14:12	1
Iron	**0.13**		0.10		mg/L		06/03/24 16:47	06/04/24 14:12	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:12	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/04/24 14:12	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 14:12	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:12	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 14:12	1
Vanadium	ND		0.0040		mg/L		06/03/24 16:47	06/04/24 14:12	1
Zinc	ND		0.0070		mg/L		06/03/24 16:47	06/04/24 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 11:52	1
Chloride (EPA 300.0)	**62**		1.5		mg/L			05/28/24 11:52	1
Sulfate (EPA 300.0)	**30**		1.5		mg/L			05/28/24 11:52	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:12	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			06/05/24 16:55	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-13
Lab Sample ID: 580-140446-4
Date Collected: 05/23/24 11:07
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	**2.0**		1.5		mg/L			05/29/24 03:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**320**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**320**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**560**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/25/24 18:20	05/25/24 21:19	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-12
Date Collected: 05/23/24 11:50
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-5
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		ug/L			05/31/24 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*05/31/24 19:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 120*		*05/31/24 19:42*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 125*		*05/31/24 19:42*	*1*
Dibromofluoromethane (Surr)	*122*	*S1+*	*80 - 120*		*05/31/24 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		ug/L			05/28/24 18:28	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/28/24 18:28	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/28/24 18:28	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/28/24 18:28	1
1,1-Dichloroethane	ND		0.20		ug/L			05/28/24 18:28	1
1,1-Dichloroethene	ND		0.20		ug/L			05/28/24 18:28	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/28/24 18:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/28/24 18:28	1
1,2-Dibromoethane	ND		0.15		ug/L			05/28/24 18:28	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/28/24 18:28	1
1,2-Dichloroethane	ND		0.25		ug/L			05/28/24 18:28	1
1,2-Dichloropropane	ND		0.20		ug/L			05/28/24 18:28	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/28/24 18:28	1
2-Butanone	ND		10		ug/L			05/28/24 18:28	1
2-Hexanone	ND		3.0		ug/L			05/28/24 18:28	1
4-Methyl-2-pentanone	ND		10		ug/L			05/28/24 18:28	1
Acetone	ND		10		ug/L			05/28/24 18:28	1
Acrylonitrile	ND		10		ug/L			05/28/24 18:28	1
Benzene	ND		0.20		ug/L			05/28/24 18:28	1
Bromochloromethane	ND		0.20		ug/L			05/28/24 18:28	1
Bromodichloromethane	ND		0.20		ug/L			05/28/24 18:28	1
Bromoform	ND		0.50		ug/L			05/28/24 18:28	1
Bromomethane	ND		0.50		ug/L			05/28/24 18:28	1
Carbon disulfide	ND		0.40		ug/L			05/28/24 18:28	1
Carbon tetrachloride	ND		0.20		ug/L			05/28/24 18:28	1
Chlorobenzene	ND		0.20		ug/L			05/28/24 18:28	1
Chloroethane	ND		0.50		ug/L			05/28/24 18:28	1
Chloroform	ND		0.20		ug/L			05/28/24 18:28	1
Chloromethane	ND		0.50		ug/L			05/28/24 18:28	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 18:28	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 18:28	1
Dibromochloromethane	ND		0.20		ug/L			05/28/24 18:28	1
Dibromomethane	ND		0.20		ug/L			05/28/24 18:28	1
Ethylbenzene	ND		0.20		ug/L			05/28/24 18:28	1
m,p-Xylene	ND		0.50		ug/L			05/28/24 18:28	1
Methyl iodide	ND		1.0		ug/L			05/28/24 18:28	1
Methylene Chloride	ND	*+	5.0		ug/L			05/28/24 18:28	1
o-Xylene	ND		0.50		ug/L			05/28/24 18:28	1
Styrene	ND		1.0		ug/L			05/28/24 18:28	1
Tetrachloroethene	ND		0.50		ug/L			05/28/24 18:28	1

Client Sample ID: 0524-12
Lab Sample ID: 580-140446-5
Date Collected: 05/23/24 11:50
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/28/24 18:28	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 18:28	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 18:28	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/28/24 18:28	1
Trichloroethene	ND		0.20		ug/L			05/28/24 18:28	1
Trichlorofluoromethane	ND		0.50		ug/L			05/28/24 18:28	1
Vinyl acetate	ND		2.0		ug/L			05/28/24 18:28	1
Vinyl chloride	ND		0.10		ug/L			05/28/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/28/24 18:28*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/28/24 18:28*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/28/24 18:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/28/24 18:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**68**		0.50		mg/L		06/03/24 11:17	06/04/24 18:32	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 18:32	1
Magnesium	**54**		0.50		mg/L		06/03/24 11:17	06/04/24 18:32	1
Manganese	**0.15**		0.020		mg/L		06/03/24 11:17	06/04/24 18:32	1
Potassium	**6.9**		3.3		mg/L		06/03/24 11:17	06/04/24 18:32	1
Sodium	**35**		0.50		mg/L		06/03/24 11:17	06/04/24 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:14	1
Arsenic	**0.0079**		0.0010		mg/L		06/03/24 16:47	06/04/24 14:14	1
Barium	**0.043**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:25	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:14	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:14	1
Chromium	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:14	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:14	1
Copper	ND		0.0020		mg/L		06/03/24 16:47	06/04/24 14:14	1
Iron	**0.51**		0.10		mg/L		06/03/24 16:47	06/04/24 14:14	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:14	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/04/24 14:14	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 14:14	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:14	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 14:14	1
Vanadium	ND		0.0040		mg/L		06/03/24 16:47	06/04/24 14:14	1
Zinc	ND		0.0070		mg/L		06/03/24 16:47	06/04/24 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 12:04	1
Chloride (EPA 300.0)	**73**		1.5		mg/L			05/28/24 12:04	1
Sulfate (EPA 300.0)	**33**		1.5		mg/L			05/28/24 12:04	1
Ammonia (EPA 350.1)	**0.079**		0.075		mg/L		06/06/24 10:05	06/06/24 13:13	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			06/05/24 16:56	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-12
Lab Sample ID: 580-140446-5
Date Collected: 05/23/24 11:50
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	**1.8**		1.5		mg/L			05/29/24 04:25	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**320**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**320**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**560**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/29/24 15:23	05/29/24 18:38	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-15
Date Collected: 05/23/24 12:10
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-6
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		ug/L			05/31/24 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/31/24 20:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 120*		*05/31/24 20:05*	*1*
4-Bromofluorobenzene (Surr)	*108*		*80 - 125*		*05/31/24 20:05*	*1*
Dibromofluoromethane (Surr)	*122*	*S1+*	*80 - 120*		*05/31/24 20:05*	*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		ug/L			05/28/24 18:51	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/28/24 18:51	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/28/24 18:51	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/28/24 18:51	1
1,1-Dichloroethane	ND		0.20		ug/L			05/28/24 18:51	1
1,1-Dichloroethene	ND		0.20		ug/L			05/28/24 18:51	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/28/24 18:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/28/24 18:51	1
1,2-Dibromoethane	ND		0.15		ug/L			05/28/24 18:51	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/28/24 18:51	1
1,2-Dichloroethane	ND		0.25		ug/L			05/28/24 18:51	1
1,2-Dichloropropane	ND		0.20		ug/L			05/28/24 18:51	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/28/24 18:51	1
2-Butanone	ND		10		ug/L			05/28/24 18:51	1
2-Hexanone	ND		3.0		ug/L			05/28/24 18:51	1
4-Methyl-2-pentanone	ND		10		ug/L			05/28/24 18:51	1
Acetone	ND		10		ug/L			05/28/24 18:51	1
Acrylonitrile	ND		10		ug/L			05/28/24 18:51	1
Benzene	ND		0.20		ug/L			05/28/24 18:51	1
Bromochloromethane	ND		0.20		ug/L			05/28/24 18:51	1
Bromodichloromethane	ND		0.20		ug/L			05/28/24 18:51	1
Bromoform	ND		0.50		ug/L			05/28/24 18:51	1
Bromomethane	ND		0.50		ug/L			05/28/24 18:51	1
Carbon disulfide	ND		0.40		ug/L			05/28/24 18:51	1
Carbon tetrachloride	ND		0.20		ug/L			05/28/24 18:51	1
Chlorobenzene	ND		0.20		ug/L			05/28/24 18:51	1
Chloroethane	ND		0.50		ug/L			05/28/24 18:51	1
Chloroform	**0.45**		0.20		ug/L			05/28/24 18:51	1
Chloromethane	ND		0.50		ug/L			05/28/24 18:51	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 18:51	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 18:51	1
Dibromochloromethane	ND		0.20		ug/L			05/28/24 18:51	1
Dibromomethane	ND		0.20		ug/L			05/28/24 18:51	1
Ethylbenzene	ND		0.20		ug/L			05/28/24 18:51	1
m,p-Xylene	ND		0.50		ug/L			05/28/24 18:51	1
Methyl iodide	ND		1.0		ug/L			05/28/24 18:51	1
Methylene Chloride	ND	*+	5.0		ug/L			05/28/24 18:51	1
o-Xylene	ND		0.50		ug/L			05/28/24 18:51	1
Styrene	ND		1.0		ug/L			05/28/24 18:51	1
Tetrachloroethene	ND		0.50		ug/L			05/28/24 18:51	1

Client Sample ID: 0524-15
Lab Sample ID: 580-140446-6
Date Collected: 05/23/24 12:10
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/28/24 18:51	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 18:51	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 18:51	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/28/24 18:51	1
Trichloroethene	ND		0.20		ug/L			05/28/24 18:51	1
Trichlorofluoromethane	ND		0.50		ug/L			05/28/24 18:51	1
Vinyl acetate	ND		2.0		ug/L			05/28/24 18:51	1
Vinyl chloride	ND		0.10		ug/L			05/28/24 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/28/24 18:51*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/28/24 18:51*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/28/24 18:51*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/28/24 18:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**79**		0.50		mg/L		06/03/24 11:17	06/04/24 18:36	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 18:36	1
Magnesium	**50**		0.50		mg/L		06/03/24 11:17	06/04/24 18:36	1
Manganese	ND		0.020		mg/L		06/03/24 11:17	06/04/24 18:36	1
Potassium	**5.5**		3.3		mg/L		06/03/24 11:17	06/04/24 18:36	1
Sodium	**30**		0.50		mg/L		06/03/24 11:17	06/04/24 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:17	1
Arsenic	**0.0033**		0.0010		mg/L		06/03/24 16:47	06/04/24 14:17	1
Barium	**0.021**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:27	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:17	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:17	1
Chromium	**0.0025**		0.00080		mg/L		06/03/24 16:47	06/04/24 14:17	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:17	1
Copper	**0.0032**		0.0020		mg/L		06/03/24 16:47	06/04/24 14:17	1
Iron	**0.19**		0.10		mg/L		06/03/24 16:47	06/04/24 14:17	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:17	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/04/24 14:17	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 14:17	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:17	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 14:17	1
Vanadium	**0.0061**		0.0040		mg/L		06/03/24 16:47	06/04/24 14:17	1
Zinc	**0.012**		0.0070		mg/L		06/03/24 16:47	06/04/24 14:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 12:16	1
Chloride (EPA 300.0)	**63**		1.5		mg/L			05/28/24 12:16	1
Sulfate (EPA 300.0)	**61**		1.5		mg/L			05/28/24 12:16	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:15	1
Nitrate Nitrite as N (EPA 353.2)	**0.28**		0.15		mg/L			06/05/24 16:58	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-15
Lab Sample ID: 580-140446-6
Date Collected: 05/23/24 12:10
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	**1.8**		1.5		mg/L			05/29/24 04:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**310**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**310**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**570**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/29/24 15:23	05/29/24 18:38	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-25
Date Collected: 05/23/24 12:45
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-7
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		ug/L			05/31/24 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*05/31/24 20:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 120*		*05/31/24 20:28*	*1*
4-Bromofluorobenzene (Surr)	*109*		*80 - 125*		*05/31/24 20:28*	*1*
Dibromofluoromethane (Surr)	*123*	*S1+*	*80 - 120*		*05/31/24 20:28*	*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		ug/L			05/29/24 07:03	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/29/24 07:03	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/29/24 07:03	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/29/24 07:03	1
1,1-Dichloroethane	ND		0.20		ug/L			05/29/24 07:03	1
1,1-Dichloroethene	ND		0.20		ug/L			05/29/24 07:03	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/29/24 07:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/29/24 07:03	1
1,2-Dibromoethane	ND		0.15		ug/L			05/29/24 07:03	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/29/24 07:03	1
1,2-Dichloroethane	ND		0.25		ug/L			05/29/24 07:03	1
1,2-Dichloropropane	ND		0.20		ug/L			05/29/24 07:03	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/29/24 07:03	1
2-Butanone	ND		10		ug/L			05/29/24 07:03	1
2-Hexanone	ND		3.0		ug/L			05/29/24 07:03	1
4-Methyl-2-pentanone	ND		10		ug/L			05/29/24 07:03	1
Acetone	ND		10		ug/L			05/29/24 07:03	1
Acrylonitrile	ND		10		ug/L			05/29/24 07:03	1
Benzene	ND		0.20		ug/L			05/29/24 07:03	1
Bromochloromethane	ND		0.20		ug/L			05/29/24 07:03	1
Bromodichloromethane	ND		0.20		ug/L			05/29/24 07:03	1
Bromoform	ND		0.50		ug/L			05/29/24 07:03	1
Bromomethane	ND		0.50		ug/L			05/29/24 07:03	1
Carbon disulfide	ND		0.40		ug/L			05/29/24 07:03	1
Carbon tetrachloride	ND		0.20		ug/L			05/29/24 07:03	1
Chlorobenzene	ND		0.20		ug/L			05/29/24 07:03	1
Chloroethane	ND		0.50		ug/L			05/29/24 07:03	1
Chloroform	ND		0.20		ug/L			05/29/24 07:03	1
Chloromethane	ND		0.50		ug/L			05/29/24 07:03	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 07:03	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 07:03	1
Dibromochloromethane	ND		0.20		ug/L			05/29/24 07:03	1
Dibromomethane	ND		0.20		ug/L			05/29/24 07:03	1
Ethylbenzene	ND		0.20		ug/L			05/29/24 07:03	1
m,p-Xylene	ND		0.50		ug/L			05/29/24 07:03	1
Methyl iodide	ND		1.0		ug/L			05/29/24 07:03	1
Methylene Chloride	ND	*+	5.0		ug/L			05/29/24 07:03	1
o-Xylene	ND		0.50		ug/L			05/29/24 07:03	1
Styrene	ND		1.0		ug/L			05/29/24 07:03	1
Tetrachloroethene	ND		0.50		ug/L			05/29/24 07:03	1

Client Sample ID: 0524-25
Lab Sample ID: 580-140446-7
Date Collected: 05/23/24 12:45
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/29/24 07:03	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 07:03	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 07:03	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/29/24 07:03	1
Trichloroethene	ND		0.20		ug/L			05/29/24 07:03	1
Trichlorofluoromethane	ND		0.50		ug/L			05/29/24 07:03	1
Vinyl acetate	ND		2.0		ug/L			05/29/24 07:03	1
Vinyl chloride	ND		0.10		ug/L			05/29/24 07:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/29/24 07:03*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*05/29/24 07:03*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/29/24 07:03*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/29/24 07:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**74**		0.50		mg/L		06/03/24 11:17	06/04/24 18:39	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 18:39	1
Magnesium	**49**		0.50		mg/L		06/03/24 11:17	06/04/24 18:39	1
Manganese	ND		0.020		mg/L		06/03/24 11:17	06/04/24 18:39	1
Potassium	**5.2**		3.3		mg/L		06/03/24 11:17	06/04/24 18:39	1
Sodium	**32**		0.50		mg/L		06/03/24 11:17	06/04/24 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 13:50	1
Arsenic	**0.0031**		0.0010		mg/L		06/03/24 16:47	06/04/24 13:50	1
Barium	**0.024**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:00	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:50	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:50	1
Chromium	**0.0019**		0.00080		mg/L		06/03/24 16:47	06/04/24 13:50	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:50	1
Copper	**0.027**		0.0020		mg/L		06/03/24 16:47	06/04/24 13:50	1
Iron	ND		0.10		mg/L		06/03/24 16:47	06/04/24 13:50	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:50	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/04/24 13:50	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 13:50	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:50	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 13:50	1
Vanadium	ND		0.0040		mg/L		06/03/24 16:47	06/04/24 13:50	1
Zinc	**0.028**		0.0070		mg/L		06/03/24 16:47	06/04/24 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 12:28	1
Chloride (EPA 300.0)	**54**		1.5		mg/L			05/28/24 12:28	1
Sulfate (EPA 300.0)	**47**		1.5		mg/L			05/28/24 12:28	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:17	1
Nitrate Nitrite as N (EPA 353.2)	**1.7**		0.15		mg/L			06/05/24 16:59	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-25
Lab Sample ID: 580-140446-7
Date Collected: 05/23/24 12:45
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	**1.5**		1.5		mg/L			05/29/24 05:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**310**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**310**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**600**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/29/24 15:23	05/29/24 18:38	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-23
Date Collected: 05/23/24 13:50
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.070		0.020		ug/L			06/03/24 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/03/24 18:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 120*		*06/03/24 18:41*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*06/03/24 18:41*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/03/24 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		ug/L			05/29/24 04:29	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/29/24 04:29	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/29/24 04:29	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/29/24 04:29	1
1,1-Dichloroethane	ND		0.20		ug/L			05/29/24 04:29	1
1,1-Dichloroethene	ND		0.20		ug/L			05/29/24 04:29	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/29/24 04:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/29/24 04:29	1
1,2-Dibromoethane	ND		0.15		ug/L			05/29/24 04:29	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/29/24 04:29	1
1,2-Dichloroethane	ND		0.25		ug/L			05/29/24 04:29	1
1,2-Dichloropropane	ND		0.20		ug/L			05/29/24 04:29	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/29/24 04:29	1
2-Butanone	ND		10		ug/L			05/29/24 04:29	1
2-Hexanone	ND		3.0		ug/L			05/29/24 04:29	1
4-Methyl-2-pentanone	ND		10		ug/L			05/29/24 04:29	1
Acetone	ND		10		ug/L			05/29/24 04:29	1
Acrylonitrile	ND		10		ug/L			05/29/24 04:29	1
Benzene	ND		0.20		ug/L			05/29/24 04:29	1
Bromochloromethane	ND		0.20		ug/L			05/29/24 04:29	1
Bromodichloromethane	ND		0.20		ug/L			05/29/24 04:29	1
Bromoform	ND		0.50		ug/L			05/29/24 04:29	1
Bromomethane	ND		0.50		ug/L			05/29/24 04:29	1
Carbon disulfide	ND		0.40		ug/L			05/29/24 04:29	1
Carbon tetrachloride	ND		0.20		ug/L			05/29/24 04:29	1
Chlorobenzene	ND		0.20		ug/L			05/29/24 04:29	1
Chloroethane	ND		0.50		ug/L			05/29/24 04:29	1
Chloroform	ND		0.20		ug/L			05/29/24 04:29	1
Chloromethane	ND		0.50		ug/L			05/29/24 04:29	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 04:29	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 04:29	1
Dibromochloromethane	ND		0.20		ug/L			05/29/24 04:29	1
Dibromomethane	ND		0.20		ug/L			05/29/24 04:29	1
Ethylbenzene	ND		0.20		ug/L			05/29/24 04:29	1
m,p-Xylene	ND		0.50		ug/L			05/29/24 04:29	1
Methyl iodide	ND		1.0		ug/L			05/29/24 04:29	1
Methylene Chloride	ND	*+	5.0		ug/L			05/29/24 04:29	1
o-Xylene	ND		0.50		ug/L			05/29/24 04:29	1
Styrene	ND		1.0		ug/L			05/29/24 04:29	1
Tetrachloroethene	ND		0.50		ug/L			05/29/24 04:29	1

Client Sample ID: 0524-23
Lab Sample ID: 580-140446-8
Date Collected: 05/23/24 13:50
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/29/24 04:29	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 04:29	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 04:29	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/29/24 04:29	1
Trichloroethene	ND		0.20		ug/L			05/29/24 04:29	1
Trichlorofluoromethane	ND		0.50		ug/L			05/29/24 04:29	1
Vinyl acetate	ND		2.0		ug/L			05/29/24 04:29	1
Vinyl chloride	ND		0.10		ug/L			05/29/24 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/29/24 04:29*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*05/29/24 04:29*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*05/29/24 04:29*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/29/24 04:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		0.50		mg/L		06/03/24 11:17	06/04/24 18:43	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 18:43	1
Magnesium	**110**		0.50		mg/L		06/03/24 11:17	06/04/24 18:43	1
Manganese	**0.048**		0.020		mg/L		06/03/24 11:17	06/04/24 18:43	1
Potassium	**8.5**		3.3		mg/L		06/03/24 11:17	06/04/24 18:43	1
Sodium	**42**		0.50		mg/L		06/03/24 11:17	06/04/24 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:19	1
Arsenic	**0.0074**		0.0010		mg/L		06/03/24 16:47	06/04/24 14:19	1
Barium	**0.057**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:32	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:19	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:19	1
Chromium	**0.0055**		0.00080		mg/L		06/03/24 16:47	06/04/24 14:19	1
Cobalt	**0.0018**		0.00040		mg/L		06/03/24 16:47	06/04/24 14:19	1
Copper	**0.0040**		0.0020		mg/L		06/03/24 16:47	06/04/24 14:19	1
Iron	**2.8**		1.0		mg/L		06/03/24 16:47	06/05/24 14:13	10
Lead	**0.0019**		0.00040		mg/L		06/03/24 16:47	06/04/24 14:19	1
Nickel	**0.011**		0.0030		mg/L		06/03/24 16:47	06/04/24 14:19	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 14:19	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:19	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 14:19	1
Vanadium	**0.011**		0.0040		mg/L		06/03/24 16:47	06/04/24 14:19	1
Zinc	**0.0070**		0.0070		mg/L		06/03/24 16:47	06/04/24 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 12:40	1
Chloride (EPA 300.0)	**99**		1.5		mg/L			05/28/24 12:40	1
Sulfate (EPA 300.0)	**120**		15		mg/L			05/28/24 13:39	10
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:19	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			06/05/24 17:22	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-23
Lab Sample ID: 580-140446-8
Date Collected: 05/23/24 13:50
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			05/31/24 00:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**650**		7.0		mg/L			06/01/24 17:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**650**		7.0		mg/L			06/01/24 17:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/01/24 17:28	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/01/24 17:28	1
Total Dissolved Solids (SM 2540C)	**1000**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/29/24 15:23	05/29/24 18:38	1

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

Job ID: 580-140446-1

Client Sample ID: 0524-14
Date Collected: 05/23/24 14:45
Date Received: 05/24/24 11:02

Lab Sample ID: 580-140446-9
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		ug/L			05/31/24 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*05/31/24 21:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 120*		*05/31/24 21:15*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 125*		*05/31/24 21:15*	*1*
Dibromofluoromethane (Surr)	*122*	*S1+*	*80 - 120*		*05/31/24 21:15*	*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		ug/L			05/29/24 04:52	1
1,1,1-Trichloroethane	**0.41**		0.20		ug/L			05/29/24 04:52	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/29/24 04:52	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/29/24 04:52	1
1,1-Dichloroethane	ND		0.20		ug/L			05/29/24 04:52	1
1,1-Dichloroethene	ND		0.20		ug/L			05/29/24 04:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/29/24 04:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/29/24 04:52	1
1,2-Dibromoethane	ND		0.15		ug/L			05/29/24 04:52	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/29/24 04:52	1
1,2-Dichloroethane	ND		0.25		ug/L			05/29/24 04:52	1
1,2-Dichloropropane	ND		0.20		ug/L			05/29/24 04:52	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/29/24 04:52	1
2-Butanone	ND		10		ug/L			05/29/24 04:52	1
2-Hexanone	ND		3.0		ug/L			05/29/24 04:52	1
4-Methyl-2-pentanone	ND		10		ug/L			05/29/24 04:52	1
Acetone	ND		10		ug/L			05/29/24 04:52	1
Acrylonitrile	ND		10		ug/L			05/29/24 04:52	1
Benzene	ND		0.20		ug/L			05/29/24 04:52	1
Bromochloromethane	ND		0.20		ug/L			05/29/24 04:52	1
Bromodichloromethane	ND		0.20		ug/L			05/29/24 04:52	1
Bromoform	ND		0.50		ug/L			05/29/24 04:52	1
Bromomethane	ND		0.50		ug/L			05/29/24 04:52	1
Carbon disulfide	ND		0.40		ug/L			05/29/24 04:52	1
Carbon tetrachloride	ND		0.20		ug/L			05/29/24 04:52	1
Chlorobenzene	ND		0.20		ug/L			05/29/24 04:52	1
Chloroethane	ND		0.50		ug/L			05/29/24 04:52	1
Chloroform	ND		0.20		ug/L			05/29/24 04:52	1
Chloromethane	ND		0.50		ug/L			05/29/24 04:52	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 04:52	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 04:52	1
Dibromochloromethane	ND		0.20		ug/L			05/29/24 04:52	1
Dibromomethane	ND		0.20		ug/L			05/29/24 04:52	1
Ethylbenzene	ND		0.20		ug/L			05/29/24 04:52	1
m,p-Xylene	ND		0.50		ug/L			05/29/24 04:52	1
Methyl iodide	ND		1.0		ug/L			05/29/24 04:52	1
Methylene Chloride	ND	*+	5.0		ug/L			05/29/24 04:52	1
o-Xylene	ND		0.50		ug/L			05/29/24 04:52	1
Styrene	ND		1.0		ug/L			05/29/24 04:52	1
Tetrachloroethene	ND		0.50		ug/L			05/29/24 04:52	1

Client Sample ID: 0524-14
Lab Sample ID: 580-140446-9
Date Collected: 05/23/24 14:45
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/29/24 04:52	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 04:52	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 04:52	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/29/24 04:52	1
Trichloroethene	ND		0.20		ug/L			05/29/24 04:52	1
Trichlorofluoromethane	**3.6**		0.50		ug/L			05/29/24 04:52	1
Vinyl acetate	ND		2.0		ug/L			05/29/24 04:52	1
Vinyl chloride	ND		0.10		ug/L			05/29/24 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/29/24 04:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/29/24 04:52*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/29/24 04:52*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/29/24 04:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50		mg/L		06/03/24 11:17	06/04/24 18:46	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 18:46	1
Magnesium	**68**		0.50		mg/L		06/03/24 11:17	06/04/24 18:46	1
Manganese	ND		0.020		mg/L		06/03/24 11:17	06/04/24 18:46	1
Potassium	**5.8**		3.3		mg/L		06/03/24 11:17	06/04/24 18:46	1
Sodium	**26**		0.50		mg/L		06/03/24 11:17	06/04/24 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 14:21	1
Arsenic	**0.0021**		0.0010		mg/L		06/03/24 16:47	06/04/24 14:21	1
Barium	**0.030**		0.0012		mg/L		06/03/24 16:47	06/05/24 12:29	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:21	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:21	1
Chromium	**0.011**		0.00080		mg/L		06/03/24 16:47	06/04/24 14:21	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:21	1
Copper	ND		0.0020		mg/L		06/03/24 16:47	06/04/24 14:21	1
Iron	ND		0.10		mg/L		06/03/24 16:47	06/04/24 14:21	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:21	1
Nickel	**0.0031**		0.0030		mg/L		06/03/24 16:47	06/04/24 14:21	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 14:21	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 14:21	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 14:21	1
Vanadium	**0.0045**		0.0040		mg/L		06/03/24 16:47	06/04/24 14:21	1
Zinc	ND		0.0070		mg/L		06/03/24 16:47	06/04/24 14:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			05/28/24 12:52	1
Chloride (EPA 300.0)	**61**		1.5		mg/L			05/28/24 12:52	1
Sulfate (EPA 300.0)	**68**		1.5		mg/L			05/28/24 12:52	1
Ammonia (EPA 350.1)	ND		0.075		mg/L		06/06/24 10:05	06/06/24 13:21	1
Nitrate Nitrite as N (EPA 353.2)	**15**		0.15		mg/L			06/05/24 17:47	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-14
Lab Sample ID: 580-140446-9
Date Collected: 05/23/24 14:45
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			05/31/24 00:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**350**		7.0		mg/L			06/04/24 19:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		7.0		mg/L			06/04/24 19:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			06/04/24 19:11	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			06/04/24 19:11	1
Total Dissolved Solids (SM 2540C)	**680**		10		mg/L			05/28/24 11:00	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		05/29/24 15:23	05/29/24 18:38	1

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

Job ID: 580-140446-1

Client Sample ID: Trip Blanks

Lab Sample ID: 580-140446-10

Date Collected: 05/23/24 00:01

Matrix: Water

Date Received: 05/24/24 11:02

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		ug/L			05/31/24 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/31/24 16:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*05/31/24 16:13*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 125*		*05/31/24 16:13*	*1*
Dibromofluoromethane (Surr)	*120*		*80 - 120*		*05/31/24 16:13*	*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		ug/L			05/29/24 02:56	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/29/24 02:56	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/29/24 02:56	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/29/24 02:56	1
1,1-Dichloroethane	ND		0.20		ug/L			05/29/24 02:56	1
1,1-Dichloroethene	ND		0.20		ug/L			05/29/24 02:56	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/29/24 02:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/29/24 02:56	1
1,2-Dibromoethane	ND		0.15		ug/L			05/29/24 02:56	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/29/24 02:56	1
1,2-Dichloroethane	ND		0.25		ug/L			05/29/24 02:56	1
1,2-Dichloropropane	ND		0.20		ug/L			05/29/24 02:56	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/29/24 02:56	1
2-Butanone	ND		10		ug/L			05/29/24 02:56	1
2-Hexanone	ND		3.0		ug/L			05/29/24 02:56	1
4-Methyl-2-pentanone	ND		10		ug/L			05/29/24 02:56	1
Acetone	ND		10		ug/L			05/29/24 02:56	1
Acrylonitrile	ND		10		ug/L			05/29/24 02:56	1
Benzene	ND		0.20		ug/L			05/29/24 02:56	1
Bromochloromethane	ND		0.20		ug/L			05/29/24 02:56	1
Bromodichloromethane	ND		0.20		ug/L			05/29/24 02:56	1
Bromoform	ND		0.50		ug/L			05/29/24 02:56	1
Bromomethane	ND		0.50		ug/L			05/29/24 02:56	1
Carbon disulfide	ND		0.40		ug/L			05/29/24 02:56	1
Carbon tetrachloride	ND		0.20		ug/L			05/29/24 02:56	1
Chlorobenzene	ND		0.20		ug/L			05/29/24 02:56	1
Chloroethane	ND		0.50		ug/L			05/29/24 02:56	1
Chloroform	ND		0.20		ug/L			05/29/24 02:56	1
Chloromethane	ND		0.50		ug/L			05/29/24 02:56	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 02:56	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 02:56	1
Dibromochloromethane	ND		0.20		ug/L			05/29/24 02:56	1
Dibromomethane	ND		0.20		ug/L			05/29/24 02:56	1
Ethylbenzene	ND		0.20		ug/L			05/29/24 02:56	1
m,p-Xylene	ND		0.50		ug/L			05/29/24 02:56	1
Methyl iodide	ND		1.0		ug/L			05/29/24 02:56	1
Methylene Chloride	ND	*+	5.0		ug/L			05/29/24 02:56	1
o-Xylene	ND		0.50		ug/L			05/29/24 02:56	1
Styrene	ND		1.0		ug/L			05/29/24 02:56	1
Tetrachloroethene	ND		0.50		ug/L			05/29/24 02:56	1

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: Trip Blanks
Lab Sample ID: 580-140446-10
Date Collected: 05/23/24 00:01
Matrix: Water
Date Received: 05/24/24 11:02

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		ug/L			05/29/24 02:56	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 02:56	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 02:56	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/29/24 02:56	1
Trichloroethene	ND		0.20		ug/L			05/29/24 02:56	1
Trichlorofluoromethane	ND		0.50		ug/L			05/29/24 02:56	1
Vinyl acetate	ND		2.0		ug/L			05/29/24 02:56	1
Vinyl chloride	ND		0.10		ug/L			05/29/24 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/29/24 02:56*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/29/24 02:56*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/29/24 02:56*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/29/24 02:56*	*1*

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-24
Lab Sample ID: 580-140446-11
Date Collected: 05/23/24 14:26
Matrix: Water
Date Received: 05/24/24 11:02

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	14		0.15		mg/L			06/05/24 17:47	1

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

Lab Sample ID: MB 580-460634/11
Matrix: Water
Analysis Batch: 460634

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		ug/L			05/28/24 15:23	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/28/24 15:23	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/28/24 15:23	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/28/24 15:23	1
1,1-Dichloroethane	ND		0.20		ug/L			05/28/24 15:23	1
1,1-Dichloroethene	ND		0.20		ug/L			05/28/24 15:23	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/28/24 15:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/28/24 15:23	1
1,2-Dibromoethane	ND		0.15		ug/L			05/28/24 15:23	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/28/24 15:23	1
1,2-Dichloroethane	ND		0.25		ug/L			05/28/24 15:23	1
1,2-Dichloropropane	ND		0.20		ug/L			05/28/24 15:23	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/28/24 15:23	1
2-Butanone	ND		10		ug/L			05/28/24 15:23	1
2-Hexanone	ND		3.0		ug/L			05/28/24 15:23	1
4-Methyl-2-pentanone	ND		10		ug/L			05/28/24 15:23	1
Acetone	ND		10		ug/L			05/28/24 15:23	1
Acrylonitrile	ND		10		ug/L			05/28/24 15:23	1
Benzene	ND		0.20		ug/L			05/28/24 15:23	1
Bromochloromethane	ND		0.20		ug/L			05/28/24 15:23	1
Bromodichloromethane	ND		0.20		ug/L			05/28/24 15:23	1
Bromoform	ND		0.50		ug/L			05/28/24 15:23	1
Bromomethane	ND		0.50		ug/L			05/28/24 15:23	1
Carbon disulfide	ND		0.40		ug/L			05/28/24 15:23	1
Carbon tetrachloride	ND		0.20		ug/L			05/28/24 15:23	1
Chlorobenzene	ND		0.20		ug/L			05/28/24 15:23	1
Chloroethane	ND		0.50		ug/L			05/28/24 15:23	1
Chloroform	ND		0.20		ug/L			05/28/24 15:23	1
Chloromethane	ND		0.50		ug/L			05/28/24 15:23	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 15:23	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 15:23	1
Dibromochloromethane	ND		0.20		ug/L			05/28/24 15:23	1
Dibromomethane	ND		0.20		ug/L			05/28/24 15:23	1
Ethylbenzene	ND		0.20		ug/L			05/28/24 15:23	1
m,p-Xylene	ND		0.50		ug/L			05/28/24 15:23	1
Methyl iodide	ND		1.0		ug/L			05/28/24 15:23	1
Methylene Chloride	ND		5.0		ug/L			05/28/24 15:23	1
o-Xylene	ND		0.50		ug/L			05/28/24 15:23	1
Styrene	ND		1.0		ug/L			05/28/24 15:23	1
Tetrachloroethene	ND		0.50		ug/L			05/28/24 15:23	1
Toluene	ND		0.20		ug/L			05/28/24 15:23	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/28/24 15:23	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/28/24 15:23	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/28/24 15:23	1
Trichloroethene	ND		0.20		ug/L			05/28/24 15:23	1
Trichlorofluoromethane	ND		0.50		ug/L			05/28/24 15:23	1
Vinyl acetate	ND		2.0		ug/L			05/28/24 15:23	1
Vinyl chloride	ND		0.10		ug/L			05/28/24 15:23	1

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

Lab Sample ID: MB 580-460634/11
Matrix: Water
Analysis Batch: 460634

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		05/28/24 15:23	1
4-Bromofluorobenzene (Surr)	106		80 - 120		05/28/24 15:23	1
Dibromofluoromethane (Surr)	109		80 - 120		05/28/24 15:23	1
Toluene-d8 (Surr)	97		80 - 120		05/28/24 15:23	1

Lab Sample ID: LCS 580-460634/6
Matrix: Water
Analysis Batch: 460634

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	4.78		ug/L		96	69 - 127
1,1,1-Trichloroethane	5.00	5.06		ug/L		101	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.33		ug/L		87	67 - 136
1,1,2-Trichloroethane	5.00	4.76		ug/L		95	73 - 127
1,1-Dichloroethane	5.00	5.24		ug/L		105	74 - 120
1,1-Dichloroethene	5.00	5.54		ug/L		111	60 - 129
1,2,3-Trichloropropane	5.00	4.47		ug/L		89	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.86		ug/L		97	55 - 135
1,2-Dibromoethane	5.00	4.85		ug/L		97	61 - 143
1,2-Dichlorobenzene	5.00	5.33		ug/L		107	72 - 129
1,2-Dichloroethane	5.00	4.79		ug/L		96	74 - 127
1,2-Dichloropropane	5.00	4.71		ug/L		94	69 - 130
1,4-Dichlorobenzene	5.00	5.26		ug/L		105	71 - 129
2-Butanone	25.0	20.3		ug/L		81	37 - 150
2-Hexanone	25.0	21.8		ug/L		87	56 - 150
4-Methyl-2-pentanone	25.0	19.8		ug/L		79	63 - 137
Acetone	25.0	25.1		ug/L		100	49 - 150
Acrylonitrile	50.0	44.7		ug/L		89	50 - 145
Benzene	5.00	4.84		ug/L		97	80 - 120
Bromochloromethane	5.00	5.23		ug/L		105	79 - 121
Bromodichloromethane	5.00	4.77		ug/L		95	74 - 131
Bromoform	5.00	4.24		ug/L		85	48 - 127
Bromomethane	5.00	4.66		ug/L		93	51 - 148
Carbon disulfide	5.00	5.38		ug/L		108	54 - 142
Carbon tetrachloride	5.00	5.06		ug/L		101	66 - 130
Chlorobenzene	5.00	5.15		ug/L		103	74 - 123
Chloroethane	5.00	5.09		ug/L		102	54 - 140
Chloroform	5.00	5.21		ug/L		104	75 - 120
Chloromethane	5.00	4.86		ug/L		97	32 - 150
cis-1,2-Dichloroethene	5.00	5.39		ug/L		108	72 - 120
cis-1,3-Dichloropropene	5.00	4.26		ug/L		85	77 - 131
Dibromochloromethane	5.00	4.79		ug/L		96	62 - 141
Dibromomethane	5.00	5.53		ug/L		111	65 - 141
Ethylbenzene	5.00	5.03		ug/L		101	80 - 124
m,p-Xylene	5.00	5.11		ug/L		102	75 - 124
Methyl iodide	5.00	4.54		ug/L		91	60 - 128
Methylene Chloride	5.00	7.17	*+	ug/L		143	40 - 142
o-Xylene	5.00	5.03		ug/L		101	71 - 124

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

Lab Sample ID: LCS 580-460634/6
Matrix: Water
Analysis Batch: 460634

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	5.21		ug/L		104	74 - 127
Tetrachloroethene	5.00	5.14		ug/L		103	75 - 124
Toluene	5.00	4.72		ug/L		94	80 - 126
trans-1,2-Dichloroethene	5.00	5.39		ug/L		108	69 - 121
trans-1,3-Dichloropropene	5.00	4.55		ug/L		91	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.05		ug/L		81	20 - 150
Trichloroethene	5.00	4.95		ug/L		99	72 - 120
Trichlorofluoromethane	5.00	5.20		ug/L		104	60 - 132
Vinyl acetate	12.5	8.62		ug/L		69	38 - 150
Vinyl chloride	5.00	4.78		ug/L		96	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 580-460634/7
Matrix: Water
Analysis Batch: 460634

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	0	22
1,1,1-Trichloroethane	5.00	4.98		ug/L		100	70 - 121	2	24
1,1,2,2-Tetrachloroethane	5.00	4.31		ug/L		86	67 - 136	1	24
1,1,2-Trichloroethane	5.00	4.86		ug/L		97	73 - 127	2	22
1,1-Dichloroethane	5.00	4.99		ug/L		100	74 - 120	5	26
1,1-Dichloroethene	5.00	5.26		ug/L		105	60 - 129	5	29
1,2,3-Trichloropropane	5.00	4.50		ug/L		90	67 - 135	1	25
1,2-Dibromo-3-Chloropropane	5.00	4.80		ug/L		96	55 - 135	1	29
1,2-Dibromoethane	5.00	4.91		ug/L		98	61 - 143	1	22
1,2-Dichlorobenzene	5.00	5.19		ug/L		104	72 - 129	3	22
1,2-Dichloroethane	5.00	4.59		ug/L		92	74 - 127	4	21
1,2-Dichloropropane	5.00	4.72		ug/L		94	69 - 130	0	22
1,4-Dichlorobenzene	5.00	5.10		ug/L		102	71 - 129	3	22
2-Butanone	25.0	21.7		ug/L		87	37 - 150	7	35
2-Hexanone	25.0	22.0		ug/L		88	56 - 150	1	29
4-Methyl-2-pentanone	25.0	20.4		ug/L		82	63 - 137	3	26
Acetone	25.0	25.1		ug/L		101	49 - 150	0	24
Acrylonitrile	50.0	45.2		ug/L		90	50 - 145	1	33
Benzene	5.00	4.74		ug/L		95	80 - 120	2	22
Bromochloromethane	5.00	5.04		ug/L		101	79 - 121	4	20
Bromodichloromethane	5.00	4.67		ug/L		93	74 - 131	2	21
Bromoform	5.00	4.22		ug/L		84	48 - 127	0	23
Bromomethane	5.00	4.38		ug/L		88	51 - 148	6	35
Carbon disulfide	5.00	5.08		ug/L		102	54 - 142	6	34
Carbon tetrachloride	5.00	4.91		ug/L		98	66 - 130	3	24
Chlorobenzene	5.00	4.96		ug/L		99	74 - 123	4	21

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

Lab Sample ID: LCSD 580-460634/7
Matrix: Water
Analysis Batch: 460634

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	4.80		ug/L		96	54 - 140	6	33
Chloroform	5.00	5.07		ug/L		101	75 - 120	3	21
Chloromethane	5.00	4.61		ug/L		92	32 - 150	5	33
cis-1,2-Dichloroethene	5.00	5.24		ug/L		105	72 - 120	3	22
cis-1,3-Dichloropropene	5.00	4.35		ug/L		87	77 - 131	2	24
Dibromochloromethane	5.00	4.79		ug/L		96	62 - 141	0	22
Dibromomethane	5.00	5.49		ug/L		110	65 - 141	1	22
Ethylbenzene	5.00	4.87		ug/L		97	80 - 124	3	22
m,p-Xylene	5.00	4.86		ug/L		97	75 - 124	5	22
Methyl iodide	5.00	4.54		ug/L		91	60 - 128	0	39
Methylene Chloride	5.00	7.27	*+	ug/L		145	40 - 142	1	25
o-Xylene	5.00	4.78		ug/L		96	71 - 124	5	23
Styrene	5.00	5.04		ug/L		101	74 - 127	3	22
Tetrachloroethene	5.00	4.92		ug/L		98	75 - 124	4	20
Toluene	5.00	4.56		ug/L		91	80 - 126	3	20
trans-1,2-Dichloroethene	5.00	5.24		ug/L		105	69 - 121	3	27
trans-1,3-Dichloropropene	5.00	4.62		ug/L		92	71 - 138	2	26
trans-1,4-Dichloro-2-butene	5.00	4.20		ug/L		84	20 - 150	4	35
Trichloroethene	5.00	5.00		ug/L		100	72 - 120	1	22
Trichlorofluoromethane	5.00	4.91		ug/L		98	60 - 132	6	32
Vinyl acetate	12.5	8.62		ug/L		69	38 - 150	0	35
Vinyl chloride	5.00	4.69		ug/L		94	41 - 150	2	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 580-460682/7
Matrix: Water
Analysis Batch: 460682

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		ug/L			05/29/24 02:10	1
1,1,1-Trichloroethane	ND		0.20		ug/L			05/29/24 02:10	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			05/29/24 02:10	1
1,1,2-Trichloroethane	ND		0.20		ug/L			05/29/24 02:10	1
1,1-Dichloroethane	ND		0.20		ug/L			05/29/24 02:10	1
1,1-Dichloroethene	ND		0.20		ug/L			05/29/24 02:10	1
1,2,3-Trichloropropane	ND		0.20		ug/L			05/29/24 02:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			05/29/24 02:10	1
1,2-Dibromoethane	ND		0.15		ug/L			05/29/24 02:10	1
1,2-Dichlorobenzene	ND		0.30		ug/L			05/29/24 02:10	1
1,2-Dichloroethane	ND		0.25		ug/L			05/29/24 02:10	1
1,2-Dichloropropane	ND		0.20		ug/L			05/29/24 02:10	1
1,4-Dichlorobenzene	ND		0.30		ug/L			05/29/24 02:10	1
2-Butanone	ND		10		ug/L			05/29/24 02:10	1

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

Lab Sample ID: MB 580-460682/7
Matrix: Water
Analysis Batch: 460682

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		ug/L			05/29/24 02:10	1
4-Methyl-2-pentanone	ND		10		ug/L			05/29/24 02:10	1
Acetone	ND		10		ug/L			05/29/24 02:10	1
Acrylonitrile	ND		10		ug/L			05/29/24 02:10	1
Benzene	ND		0.20		ug/L			05/29/24 02:10	1
Bromochloromethane	ND		0.20		ug/L			05/29/24 02:10	1
Bromodichloromethane	ND		0.20		ug/L			05/29/24 02:10	1
Bromoform	ND		0.50		ug/L			05/29/24 02:10	1
Bromomethane	ND		0.50		ug/L			05/29/24 02:10	1
Carbon disulfide	ND		0.40		ug/L			05/29/24 02:10	1
Carbon tetrachloride	ND		0.20		ug/L			05/29/24 02:10	1
Chlorobenzene	ND		0.20		ug/L			05/29/24 02:10	1
Chloroethane	ND		0.50		ug/L			05/29/24 02:10	1
Chloroform	ND		0.20		ug/L			05/29/24 02:10	1
Chloromethane	ND		0.50		ug/L			05/29/24 02:10	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 02:10	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 02:10	1
Dibromochloromethane	ND		0.20		ug/L			05/29/24 02:10	1
Dibromomethane	ND		0.20		ug/L			05/29/24 02:10	1
Ethylbenzene	ND		0.20		ug/L			05/29/24 02:10	1
m,p-Xylene	ND		0.50		ug/L			05/29/24 02:10	1
Methyl iodide	ND		1.0		ug/L			05/29/24 02:10	1
Methylene Chloride	ND		5.0		ug/L			05/29/24 02:10	1
o-Xylene	ND		0.50		ug/L			05/29/24 02:10	1
Styrene	ND		1.0		ug/L			05/29/24 02:10	1
Tetrachloroethene	ND		0.50		ug/L			05/29/24 02:10	1
Toluene	ND		0.20		ug/L			05/29/24 02:10	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			05/29/24 02:10	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			05/29/24 02:10	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/29/24 02:10	1
Trichloroethene	ND		0.20		ug/L			05/29/24 02:10	1
Trichlorofluoromethane	ND		0.50		ug/L			05/29/24 02:10	1
Vinyl acetate	ND		2.0		ug/L			05/29/24 02:10	1
Vinyl chloride	ND		0.10		ug/L			05/29/24 02:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/29/24 02:10*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*05/29/24 02:10*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*05/29/24 02:10*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/29/24 02:10*	*1*

Lab Sample ID: LCS 580-460682/4
Matrix: Water
Analysis Batch: 460682

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	4.98		ug/L		100	69 - 127
1,1,1-Trichloroethane	5.00	5.10		ug/L		102	70 - 121

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

Lab Sample ID: LCS 580-460682/4
Matrix: Water
Analysis Batch: 460682

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	4.28		ug/L		86	67 - 136
1,1,2-Trichloroethane	5.00	4.99		ug/L		100	73 - 127
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120
1,1-Dichloroethene	5.00	5.35		ug/L		107	60 - 129
1,2,3-Trichloropropane	5.00	5.00		ug/L		100	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.89		ug/L		98	55 - 135
1,2-Dibromoethane	5.00	4.99		ug/L		100	61 - 143
1,2-Dichlorobenzene	5.00	5.21		ug/L		104	72 - 129
1,2-Dichloroethane	5.00	4.76		ug/L		95	74 - 127
1,2-Dichloropropane	5.00	4.88		ug/L		98	69 - 130
1,4-Dichlorobenzene	5.00	5.01		ug/L		100	71 - 129
2-Butanone	25.0	22.3		ug/L		89	37 - 150
2-Hexanone	25.0	23.4		ug/L		93	56 - 150
4-Methyl-2-pentanone	25.0	21.7		ug/L		87	63 - 137
Acetone	25.0	25.4		ug/L		102	49 - 150
Acrylonitrile	50.0	46.5		ug/L		93	50 - 145
Benzene	5.00	4.94		ug/L		99	80 - 120
Bromochloromethane	5.00	5.09		ug/L		102	79 - 121
Bromodichloromethane	5.00	4.97		ug/L		99	74 - 131
Bromoform	5.00	4.50		ug/L		90	48 - 127
Bromomethane	5.00	4.86		ug/L		97	51 - 148
Carbon disulfide	5.00	5.25		ug/L		105	54 - 142
Carbon tetrachloride	5.00	5.08		ug/L		102	66 - 130
Chlorobenzene	5.00	5.01		ug/L		100	74 - 123
Chloroethane	5.00	4.93		ug/L		99	54 - 140
Chloroform	5.00	5.18		ug/L		104	75 - 120
Chloromethane	5.00	4.74		ug/L		95	32 - 150
cis-1,2-Dichloroethene	5.00	5.37		ug/L		107	72 - 120
cis-1,3-Dichloropropene	5.00	4.35		ug/L		87	77 - 131
Dibromochloromethane	5.00	4.93		ug/L		99	62 - 141
Dibromomethane	5.00	5.71		ug/L		114	65 - 141
Ethylbenzene	5.00	4.77		ug/L		95	80 - 124
m,p-Xylene	5.00	4.84		ug/L		97	75 - 124
Methyl iodide	5.00	4.60		ug/L		92	60 - 128
Methylene Chloride	5.00	7.10		ug/L		142	40 - 142
o-Xylene	5.00	4.80		ug/L		96	71 - 124
Styrene	5.00	5.03		ug/L		101	74 - 127
Tetrachloroethene	5.00	5.02		ug/L		100	75 - 124
Toluene	5.00	4.67		ug/L		93	80 - 126
trans-1,2-Dichloroethene	5.00	5.25		ug/L		105	69 - 121
trans-1,3-Dichloropropene	5.00	4.63		ug/L		93	71 - 138
trans-1,4-Dichloro-2-butene	5.00	3.89		ug/L		78	20 - 150
Trichloroethene	5.00	5.59		ug/L		112	72 - 120
Trichlorofluoromethane	5.00	5.07		ug/L		101	60 - 132
Vinyl acetate	12.5	6.27		ug/L		50	38 - 150
Vinyl chloride	5.00	4.69		ug/L		94	41 - 150

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

Lab Sample ID: LCS 580-460682/4
Matrix: Water
Analysis Batch: 460682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 580-460682/5
Matrix: Water
Analysis Batch: 460682

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	4.87		ug/L		97	69 - 127	2	22
1,1,1-Trichloroethane			5.00	5.09		ug/L		102	70 - 121	0	24
1,1,2,2-Tetrachloroethane			5.00	4.21		ug/L		84	67 - 136	2	24
1,1,2-Trichloroethane			5.00	4.89		ug/L		98	73 - 127	2	22
1,1-Dichloroethane			5.00	4.97		ug/L		99	74 - 120	2	26
1,1-Dichloroethene			5.00	5.36		ug/L		107	60 - 129	0	29
1,2,3-Trichloropropane			5.00	4.81		ug/L		96	67 - 135	4	25
1,2-Dibromo-3-Chloropropane			5.00	4.88		ug/L		98	55 - 135	0	29
1,2-Dibromoethane			5.00	4.95		ug/L		99	61 - 143	1	22
1,2-Dichlorobenzene			5.00	5.16		ug/L		103	72 - 129	1	22
1,2-Dichloroethane			5.00	4.88		ug/L		98	74 - 127	3	21
1,2-Dichloropropane			5.00	4.80		ug/L		96	69 - 130	2	22
1,4-Dichlorobenzene			5.00	5.07		ug/L		101	71 - 129	1	22
2-Butanone			25.0	22.8		ug/L		91	37 - 150	2	35
2-Hexanone			25.0	23.4		ug/L		94	56 - 150	0	29
4-Methyl-2-pentanone			25.0	22.0		ug/L		88	63 - 137	2	26
Acetone			25.0	26.1		ug/L		104	49 - 150	3	24
Acrylonitrile			50.0	48.1		ug/L		96	50 - 145	3	33
Benzene			5.00	5.01		ug/L		100	80 - 120	2	22
Bromochloromethane			5.00	5.34		ug/L		107	79 - 121	5	20
Bromodichloromethane			5.00	4.96		ug/L		99	74 - 131	0	21
Bromoform			5.00	4.51		ug/L		90	48 - 127	0	23
Bromomethane			5.00	4.58		ug/L		92	51 - 148	6	35
Carbon disulfide			5.00	5.34		ug/L		107	54 - 142	2	34
Carbon tetrachloride			5.00	5.14		ug/L		103	66 - 130	1	24
Chlorobenzene			5.00	4.99		ug/L		100	74 - 123	0	21
Chloroethane			5.00	5.01		ug/L		100	54 - 140	2	33
Chloroform			5.00	5.23		ug/L		105	75 - 120	1	21
Chloromethane			5.00	4.67		ug/L		93	32 - 150	1	33
cis-1,2-Dichloroethene			5.00	5.34		ug/L		107	72 - 120	1	22
cis-1,3-Dichloropropene			5.00	4.30		ug/L		86	77 - 131	1	24
Dibromochloromethane			5.00	4.99		ug/L		100	62 - 141	1	22
Dibromomethane			5.00	5.81		ug/L		116	65 - 141	2	22
Ethylbenzene			5.00	4.81		ug/L		96	80 - 124	1	22
m,p-Xylene			5.00	4.80		ug/L		96	75 - 124	1	22
Methyl iodide			5.00	4.64		ug/L		93	60 - 128	1	39
Methylene Chloride			5.00	7.47	*+	ug/L		149	40 - 142	5	25
o-Xylene			5.00	4.84		ug/L		97	71 - 124	1	23

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

Lab Sample ID: LCSD 580-460682/5
Matrix: Water
Analysis Batch: 460682

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	5.01		ug/L		100	74 - 127	1	22
Tetrachloroethene			5.00	5.04		ug/L		101	75 - 124	0	20
Toluene			5.00	4.66		ug/L		93	80 - 126	0	20
trans-1,2-Dichloroethene			5.00	5.34		ug/L		107	69 - 121	2	27
trans-1,3-Dichloropropene			5.00	4.55		ug/L		91	71 - 138	2	26
trans-1,4-Dichloro-2-butene			5.00	3.85		ug/L		77	20 - 150	1	35
Trichloroethene			5.00	5.40		ug/L		108	72 - 120	3	22
Trichlorofluoromethane			5.00	4.96		ug/L		99	60 - 132	2	32
Vinyl acetate			12.5	6.55		ug/L		52	38 - 150	4	35
Vinyl chloride			5.00	4.80		ug/L		96	41 - 150	3	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: MB 580-461015/7
Matrix: Water
Analysis Batch: 461015

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		0.035		ug/L			05/31/24 15:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*05/31/24 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 120*		*05/31/24 15:26*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 125*		*05/31/24 15:26*	*1*
Dibromofluoromethane (Surr)	*119*		*80 - 120*		*05/31/24 15:26*	*1*

Lab Sample ID: LCS 580-461015/4
Matrix: Water
Analysis Batch: 461015

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	4.22		ug/L		84	68 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 120*
4-Bromofluorobenzene (Surr)	*112*		*80 - 125*
Dibromofluoromethane (Surr)	*109*		*80 - 120*

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

Lab Sample ID: LCSD 580-461015/5
Matrix: Water
Analysis Batch: 461015

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	4.12		ug/L		82	68 - 150	2	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 120*
4-Bromofluorobenzene (Surr)	*110*		*80 - 125*
Dibromofluoromethane (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 580-461180/7
Matrix: Water
Analysis Batch: 461180

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		0.035		ug/L			06/03/24 17:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/03/24 17:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 120*		*06/03/24 17:55*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 125*		*06/03/24 17:55*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*06/03/24 17:55*	*1*

Lab Sample ID: LCS 580-461180/4
Matrix: Water
Analysis Batch: 461180

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	5.18		ug/L		104	68 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 125*
Dibromofluoromethane (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 580-461180/5
Matrix: Water
Analysis Batch: 461180

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	5.12		ug/L		102	68 - 150	1	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 125*
Dibromofluoromethane (Surr)	*97*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-461150/15-A
Matrix: Water
Analysis Batch: 461383

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 461150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		06/03/24 11:17	06/04/24 17:45	1
Iron	ND		0.30		mg/L		06/03/24 11:17	06/04/24 17:45	1
Magnesium	ND		0.50		mg/L		06/03/24 11:17	06/04/24 17:45	1
Manganese	ND		0.020		mg/L		06/03/24 11:17	06/04/24 17:45	1
Potassium	ND		3.3		mg/L		06/03/24 11:17	06/04/24 17:45	1
Sodium	ND		0.50		mg/L		06/03/24 11:17	06/04/24 17:45	1

Lab Sample ID: LCS 580-461150/16-A
Matrix: Water
Analysis Batch: 461383

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 461150

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			20.0	18.4		mg/L		92	80 - 120		
Iron			20.0	18.8		mg/L		94	80 - 120		
Magnesium			20.0	20.6		mg/L		103	80 - 120		
Manganese			1.00	1.02		mg/L		102	80 - 120		
Potassium			20.0	19.0		mg/L		95	80 - 120		
Sodium			20.0	19.5		mg/L		98	80 - 120		

Lab Sample ID: LCSD 580-461150/17-A
Matrix: Water
Analysis Batch: 461383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 461150

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			20.0	18.4		mg/L		92	80 - 120	0	20
Iron			20.0	18.7		mg/L		94	80 - 120	0	20
Magnesium			20.0	20.6		mg/L		103	80 - 120	0	20
Manganese			1.00	1.01		mg/L		101	80 - 120	1	20
Potassium			20.0	19.0		mg/L		95	80 - 120	0	20
Sodium			20.0	19.5		mg/L		97	80 - 120	0	20

Lab Sample ID: 580-140446-2 MS
Matrix: Water
Analysis Batch: 461383

Client Sample ID: 0524-09
Prep Type: Dissolved
Prep Batch: 461150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	110		20.0	129	4	mg/L		82	80 - 120		
Iron	ND		20.0	19.0		mg/L		95	80 - 120		
Magnesium	41		20.0	60.8		mg/L		100	80 - 120		
Manganese	ND		1.00	1.02		mg/L		102	80 - 120		
Potassium	5.6		20.0	25.3		mg/L		98	80 - 120		
Sodium	20		20.0	40.1		mg/L		101	80 - 120		

Lab Sample ID: 580-140446-2 MSD
Matrix: Water
Analysis Batch: 461383

Client Sample ID: 0524-09
Prep Type: Dissolved
Prep Batch: 461150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	110		20.0	129	4	mg/L		82	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-140446-2 MSD
Matrix: Water
Analysis Batch: 461383

Client Sample ID: 0524-09
Prep Type: Dissolved
Prep Batch: 461150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		20.0	18.8		mg/L		94	80 - 120	1	20
Magnesium	41		20.0	60.4		mg/L		98	80 - 120	1	20
Manganese	ND		1.00	1.01		mg/L		101	80 - 120	1	20
Potassium	5.6		20.0	25.2		mg/L		98	80 - 120	0	20
Sodium	20		20.0	39.7		mg/L		99	80 - 120	1	20

Lab Sample ID: 580-140446-2 DU
Matrix: Water
Analysis Batch: 461383

Client Sample ID: 0524-09
Prep Type: Dissolved
Prep Batch: 461150

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	110		113		mg/L		0.2	20
Iron	ND		ND		mg/L		NC	20
Magnesium	41		40.8		mg/L		0.1	20
Manganese	ND		ND		mg/L		NC	20
Potassium	5.6		5.61		mg/L		0.1	20
Sodium	20		19.9		mg/L		0.3	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-461193/16-A
Matrix: Water
Analysis Batch: 461346

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 13:41	1
Arsenic	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 13:41	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:41	1
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:41	1
Chromium	ND		0.00080		mg/L		06/03/24 16:47	06/04/24 13:41	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:41	1
Copper	ND		0.0020		mg/L		06/03/24 16:47	06/04/24 13:41	1
Iron	ND		0.10		mg/L		06/03/24 16:47	06/04/24 13:41	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:41	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/04/24 13:41	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/04/24 13:41	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/04/24 13:41	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/04/24 13:41	1
Vanadium	ND		0.0040		mg/L		06/03/24 16:47	06/04/24 13:41	1
Zinc	ND		0.0070		mg/L		06/03/24 16:47	06/04/24 13:41	1

Lab Sample ID: MB 580-461193/16-A
Matrix: Water
Analysis Batch: 461453

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		06/03/24 16:47	06/05/24 11:52	1
Arsenic	ND		0.0010		mg/L		06/03/24 16:47	06/05/24 11:52	1
Barium	ND		0.0012		mg/L		06/03/24 16:47	06/05/24 11:52	1
Beryllium	ND		0.00040		mg/L		06/03/24 16:47	06/05/24 11:52	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-461193/16-A
Matrix: Water
Analysis Batch: 461453

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.00040		mg/L		06/03/24 16:47	06/05/24 11:52	1
Chromium	ND		0.00080		mg/L		06/03/24 16:47	06/05/24 11:52	1
Cobalt	ND		0.00040		mg/L		06/03/24 16:47	06/05/24 11:52	1
Copper	ND		0.0020		mg/L		06/03/24 16:47	06/05/24 11:52	1
Iron	ND		0.10		mg/L		06/03/24 16:47	06/05/24 11:52	1
Lead	ND		0.00040		mg/L		06/03/24 16:47	06/05/24 11:52	1
Nickel	ND		0.0030		mg/L		06/03/24 16:47	06/05/24 11:52	1
Selenium	ND		0.0080		mg/L		06/03/24 16:47	06/05/24 11:52	1
Silver	ND		0.00040		mg/L		06/03/24 16:47	06/05/24 11:52	1
Thallium	ND		0.0010		mg/L		06/03/24 16:47	06/05/24 11:52	1
Vanadium	ND		0.0040		mg/L		06/03/24 16:47	06/05/24 11:52	1
Zinc	ND		0.0070		mg/L		06/03/24 16:47	06/05/24 11:52	1

Lab Sample ID: LCS 580-461193/17-A
Matrix: Water
Analysis Batch: 461346

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.891		mg/L		89	80 - 120
Arsenic	1.00	0.946		mg/L		95	80 - 120
Beryllium	1.00	1.04		mg/L		104	80 - 120
Cadmium	1.00	0.936		mg/L		94	80 - 120
Chromium	1.00	1.02		mg/L		102	80 - 120
Cobalt	1.00	0.972		mg/L		97	80 - 120
Copper	1.00	0.974		mg/L		97	80 - 120
Iron	20.0	20.0		mg/L		100	80 - 120
Lead	1.00	0.978		mg/L		98	80 - 120
Nickel	1.00	0.945		mg/L		94	80 - 120
Selenium	1.00	0.956		mg/L		96	80 - 120
Silver	1.00	0.957		mg/L		96	80 - 120
Thallium	1.00	0.951		mg/L		95	80 - 120
Vanadium	1.00	1.03		mg/L		103	80 - 120
Zinc	1.00	0.979		mg/L		98	80 - 120

Lab Sample ID: LCS 580-461193/17-A
Matrix: Water
Analysis Batch: 461453

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.931		mg/L		93	80 - 120
Arsenic	1.00	0.980		mg/L		98	80 - 120
Barium	1.00	0.973		mg/L		97	80 - 120
Beryllium	1.00	1.03		mg/L		103	80 - 120
Cadmium	1.00	0.963		mg/L		96	80 - 120
Chromium	1.00	0.986		mg/L		99	80 - 120
Cobalt	1.00	0.982		mg/L		98	80 - 120
Copper	1.00	0.972		mg/L		97	80 - 120
Iron	20.0	19.9		mg/L		100	80 - 120
Lead	1.00	0.969		mg/L		97	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-461193/17-A
Matrix: Water
Analysis Batch: 461453

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	1.00	0.949		mg/L		95	80 - 120
Selenium	1.00	0.957		mg/L		96	80 - 120
Silver	1.00	0.948		mg/L		95	80 - 120
Thallium	1.00	0.934		mg/L		93	80 - 120
Vanadium	1.00	0.974		mg/L		97	80 - 120
Zinc	1.00	1.00		mg/L		100	80 - 120

Lab Sample ID: LCSD 580-461193/18-A
Matrix: Water
Analysis Batch: 461346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.912		mg/L		91	80 - 120	2	20
Arsenic	1.00	0.947		mg/L		95	80 - 120	0	20
Beryllium	1.00	1.06		mg/L		106	80 - 120	2	20
Cadmium	1.00	0.949		mg/L		95	80 - 120	1	20
Chromium	1.00	1.02		mg/L		102	80 - 120	0	20
Cobalt	1.00	0.979		mg/L		98	80 - 120	1	20
Copper	1.00	0.981		mg/L		98	80 - 120	1	20
Iron	20.0	20.1		mg/L		100	80 - 120	0	20
Lead	1.00	0.971		mg/L		97	80 - 120	1	20
Nickel	1.00	0.950		mg/L		95	80 - 120	1	20
Selenium	1.00	0.959		mg/L		96	80 - 120	0	20
Silver	1.00	0.978		mg/L		98	80 - 120	2	20
Thallium	1.00	0.940		mg/L		94	80 - 120	1	20
Vanadium	1.00	1.02		mg/L		102	80 - 120	0	20
Zinc	1.00	0.988		mg/L		99	80 - 120	1	20

Lab Sample ID: LCSD 580-461193/18-A
Matrix: Water
Analysis Batch: 461453

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.980		mg/L		98	80 - 120	5	20
Arsenic	1.00	1.02		mg/L		102	80 - 120	4	20
Barium	1.00	1.02		mg/L		102	80 - 120	5	20
Beryllium	1.00	1.05		mg/L		105	80 - 120	2	20
Cadmium	1.00	0.995		mg/L		99	80 - 120	3	20
Chromium	1.00	0.994		mg/L		99	80 - 120	1	20
Cobalt	1.00	1.02		mg/L		102	80 - 120	4	20
Copper	1.00	1.00		mg/L		100	80 - 120	3	20
Iron	20.0	20.0		mg/L		100	80 - 120	0	20
Lead	1.00	0.989		mg/L		99	80 - 120	2	20
Nickel	1.00	0.993		mg/L		99	80 - 120	5	20
Selenium	1.00	1.00		mg/L		100	80 - 120	5	20
Silver	1.00	0.983		mg/L		98	80 - 120	4	20
Thallium	1.00	0.951		mg/L		95	80 - 120	2	20
Vanadium	1.00	0.984		mg/L		98	80 - 120	1	20
Zinc	1.00	1.05		mg/L		105	80 - 120	4	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-140446-7 MS
Matrix: Water
Analysis Batch: 461346

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	0.959		mg/L		96	80 - 120
Arsenic	0.0031		1.00	0.992		mg/L		99	80 - 120
Beryllium	ND		1.00	1.08		mg/L		108	80 - 120
Cadmium	ND		1.00	0.960		mg/L		96	80 - 120
Chromium	0.0019		1.00	1.05		mg/L		104	80 - 120
Cobalt	ND		1.00	0.994		mg/L		99	80 - 120
Copper	0.027		1.00	1.02		mg/L		99	80 - 120
Iron	ND		20.0	20.7		mg/L		103	80 - 120
Lead	ND		1.00	1.01		mg/L		101	80 - 120
Nickel	ND		1.00	0.966		mg/L		96	80 - 120
Selenium	ND		1.00	1.01		mg/L		101	80 - 120
Silver	ND		1.00	1.00		mg/L		100	80 - 120
Thallium	ND		1.00	0.974		mg/L		97	80 - 120
Vanadium	ND		1.00	1.06		mg/L		106	80 - 120
Zinc	0.028		1.00	1.05		mg/L		103	80 - 120

Lab Sample ID: 580-140446-7 MS
Matrix: Water
Analysis Batch: 461453

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	0.951		mg/L		95	80 - 120
Arsenic	0.0031		1.00	0.975		mg/L		97	80 - 120
Barium	0.024		1.00	1.01		mg/L		99	80 - 120
Beryllium	ND		1.00	1.01		mg/L		101	80 - 120
Cadmium	ND		1.00	0.968		mg/L		97	80 - 120
Chromium	0.0018		1.00	0.979		mg/L		98	80 - 120
Cobalt	ND		1.00	0.974		mg/L		97	80 - 120
Copper	0.028		1.00	0.994		mg/L		97	80 - 120
Iron	ND		20.0	19.8		mg/L		99	80 - 120
Lead	ND		1.00	0.987		mg/L		99	80 - 120
Nickel	ND		1.00	0.945		mg/L		94	80 - 120
Selenium	ND		1.00	0.975		mg/L		98	80 - 120
Silver	ND		1.00	0.962		mg/L		96	80 - 120
Thallium	ND		1.00	0.958		mg/L		96	80 - 120
Vanadium	ND		1.00	0.969		mg/L		97	80 - 120
Zinc	0.029		1.00	1.03		mg/L		100	80 - 120

Lab Sample ID: 580-140446-7 MSD
Matrix: Water
Analysis Batch: 461346

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	0.970		mg/L		97	80 - 120	1	20
Arsenic	0.0031		1.00	1.02		mg/L		101	80 - 120	3	20
Beryllium	ND		1.00	1.09		mg/L		109	80 - 120	1	20
Cadmium	ND		1.00	0.999		mg/L		100	80 - 120	4	20
Chromium	0.0019		1.00	1.05		mg/L		105	80 - 120	0	20
Cobalt	ND		1.00	1.02		mg/L		102	80 - 120	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-140446-7 MSD
Matrix: Water
Analysis Batch: 461346

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	0.027		1.00	1.05		mg/L		102	80 - 120	3	20
Iron	ND		20.0	20.8		mg/L		104	80 - 120	0	20
Lead	ND		1.00	1.02		mg/L		102	80 - 120	1	20
Nickel	ND		1.00	0.988		mg/L		99	80 - 120	2	20
Selenium	ND		1.00	0.963		mg/L		96	80 - 120	4	20
Silver	ND		1.00	1.02		mg/L		102	80 - 120	2	20
Thallium	ND		1.00	0.988		mg/L		99	80 - 120	1	20
Vanadium	ND		1.00	1.07		mg/L		107	80 - 120	1	20
Zinc	0.028		1.00	1.07		mg/L		105	80 - 120	2	20

Lab Sample ID: 580-140446-7 MSD
Matrix: Water
Analysis Batch: 461453

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	0.996		mg/L		100	80 - 120	5	20
Arsenic	0.0031		1.00	1.02		mg/L		101	80 - 120	4	20
Barium	0.024		1.00	1.05		mg/L		103	80 - 120	4	20
Beryllium	ND		1.00	1.04		mg/L		104	80 - 120	3	20
Cadmium	ND		1.00	1.02		mg/L		102	80 - 120	5	20
Chromium	0.0018		1.00	1.01		mg/L		100	80 - 120	3	20
Cobalt	ND		1.00	1.01		mg/L		101	80 - 120	4	20
Copper	0.028		1.00	1.03		mg/L		100	80 - 120	3	20
Iron	ND		20.0	20.4		mg/L		102	80 - 120	3	20
Lead	ND		1.00	1.02		mg/L		102	80 - 120	4	20
Nickel	ND		1.00	0.978		mg/L		98	80 - 120	3	20
Selenium	ND		1.00	0.998		mg/L		100	80 - 120	2	20
Silver	ND		1.00	1.00		mg/L		100	80 - 120	4	20
Thallium	ND		1.00	1.00		mg/L		100	80 - 120	4	20
Vanadium	ND		1.00	0.990		mg/L		99	80 - 120	2	20
Zinc	0.029		1.00	1.06		mg/L		103	80 - 120	3	20

Lab Sample ID: 580-140446-7 DU
Matrix: Water
Analysis Batch: 461346

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	ND		ND		mg/L		NC	20
Arsenic	0.0031		0.00297		mg/L		3	20
Beryllium	ND		ND		mg/L		NC	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	0.0019		0.00205		mg/L		10	20
Cobalt	ND		ND		mg/L		NC	20
Copper	0.027		0.0272		mg/L		0.7	20
Iron	ND		ND		mg/L		NC	20
Lead	ND		ND		mg/L		NC	20
Nickel	ND		ND		mg/L		NC	20
Selenium	ND		ND		mg/L		NC	20
Silver	ND		ND		mg/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-140446-7 DU
Matrix: Water
Analysis Batch: 461346

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Thallium	ND			ND		mg/L				NC	20
Vanadium	ND			ND		mg/L				NC	20
Zinc	0.028			0.0288		mg/L				2	20

Lab Sample ID: 580-140446-7 DU
Matrix: Water
Analysis Batch: 461453

Client Sample ID: 0524-25
Prep Type: Total Recoverable
Prep Batch: 461193

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	ND			ND		mg/L				NC	20
Arsenic	0.0031			0.00305		mg/L				1	20
Barium	0.024			0.0239		mg/L				2	20
Beryllium	ND			ND		mg/L				NC	20
Cadmium	ND			ND		mg/L				NC	20
Chromium	0.0018			0.00192		mg/L				8	20
Cobalt	ND			ND		mg/L				NC	20
Copper	0.028			0.0273		mg/L				1	20
Iron	ND			ND		mg/L				NC	20
Lead	ND			ND		mg/L				NC	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	0.029			0.0289		mg/L				0.8	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-460762/3
Matrix: Water
Analysis Batch: 460762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			05/28/24 09:29	1
Chloride	ND		1.5		mg/L			05/28/24 09:29	1
Sulfate	ND		1.5		mg/L			05/28/24 09:29	1

Lab Sample ID: LCS 580-460762/4
Matrix: Water
Analysis Batch: 460762

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	5.13		mg/L		103	90 - 110		
Chloride			50.0	51.4		mg/L		103	90 - 110		
Sulfate			50.0	51.0		mg/L		102	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 580-460762/5
Matrix: Water
Analysis Batch: 460762

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	5.14		mg/L		103	90 - 110	0	15
Chloride			50.0	51.5		mg/L		103	90 - 110	0	15
Sulfate			50.0	51.1		mg/L		102	90 - 110	0	15

Lab Sample ID: 580-140446-3 MS
Matrix: Water
Analysis Batch: 460762

Client Sample ID: 0524-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	ND		5.00	5.12		mg/L		102	90 - 110		
Chloride	23		50.0	70.8		mg/L		96	90 - 110		
Sulfate	26		50.0	74.6		mg/L		97	90 - 110		

Lab Sample ID: 580-140446-3 MSD
Matrix: Water
Analysis Batch: 460762

Client Sample ID: 0524-01
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	5.10		mg/L		102	90 - 110	0	15
Chloride	23		50.0	70.7		mg/L		95	90 - 110	0	15
Sulfate	26		50.0	74.5		mg/L		96	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-448291/5-A
Matrix: Water
Analysis Batch: 448300

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.075		mg/L		06/06/24 10:05	06/06/24 12:33	1

Lab Sample ID: LCS 570-448291/6-A
Matrix: Water
Analysis Batch: 448300

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448291

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia			0.500	0.488		mg/L		98	90 - 110		

Lab Sample ID: LCSD 570-448291/7-A
Matrix: Water
Analysis Batch: 448300

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 448291

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia			0.500	0.492		mg/L		98	90 - 110	1	20

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 580-140446-1 MS
Matrix: Water
Analysis Batch: 448300

Client Sample ID: 0524-10
Prep Type: Total/NA
Prep Batch: 448291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	ND		0.500	0.493		mg/L		99	90 - 110

Lab Sample ID: 580-140446-1 MSD
Matrix: Water
Analysis Batch: 448300

Client Sample ID: 0524-10
Prep Type: Total/NA
Prep Batch: 448291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	ND		0.500	0.495		mg/L		99	90 - 110	0	25

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 580-461495/9
Matrix: Water
Analysis Batch: 461495

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		0.15		mg/L			06/05/24 16:20	1

Lab Sample ID: LCS 580-461495/7
Matrix: Water
Analysis Batch: 461495

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	2.32		mg/L		93	90 - 110

Lab Sample ID: LCSD 580-461495/8
Matrix: Water
Analysis Batch: 461495

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		98	90 - 110	5	20

Lab Sample ID: MRL 580-461495/3
Matrix: Water
Analysis Batch: 461495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.150	0.184		mg/L		123	50 - 150

Lab Sample ID: 580-140446-1 MS
Matrix: Water
Analysis Batch: 461495

Client Sample ID: 0524-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.62		2.50	2.96		mg/L		93	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 580-140446-1 MSD — **Client Sample ID: 0524-10**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 461495

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.62		2.50	2.98		mg/L		94	90 - 110	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-461074/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 461074

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	97.3		mg/L		97	85 - 115		

Lab Sample ID: LCSD 580-461074/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 461074

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity			100	97.4		mg/L		97	85 - 115	0	20

Lab Sample ID: LCS 580-461336/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 461336

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	97.4		mg/L		97	85 - 115		

Lab Sample ID: LCSD 580-461336/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 461336

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity			100	105		mg/L		105	85 - 115	8	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-460626/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460626

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			05/28/24 11:00	1

Lab Sample ID: LCS 580-460626/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460626

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			1000	1030		mg/L		102	80 - 120		

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 580-140446-8 DU — **Client Sample ID: 0524-23**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460626

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		997		mg/L		3	20

Lab Sample ID: 580-140446-9 DU — **Client Sample ID: 0524-14**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460626

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	680		694		mg/L		2	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-460555/3-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460557 — **Prep Batch: 460555**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		05/25/24 18:20	05/25/24 21:19	1

Lab Sample ID: LCS 580-460555/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460557 — **Prep Batch: 460555**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	68.6		mg/L		91	80 - 120

Lab Sample ID: LCSD 580-460555/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460557 — **Prep Batch: 460555**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	68.3		mg/L		91	80 - 120	1	20

Lab Sample ID: 580-140446-1 MS — **Client Sample ID: 0524-10**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460557 — **Prep Batch: 460555**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND		25.0	24.1		mg/L		97	75 - 125

Lab Sample ID: 580-140446-1 DU — **Client Sample ID: 0524-10**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 460557 — **Prep Batch: 460555**

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 5220D - COD (Continued)

Lab Sample ID: MB 580-460795/3-A
Matrix: Water
Analysis Batch: 460809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 460795

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		05/29/24 15:23	05/29/24 18:38	1

Lab Sample ID: LCS 580-460795/4-A
Matrix: Water
Analysis Batch: 460809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 460795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	75.0	68.3		mg/L		91	80 - 120

Lab Sample ID: LCSD 580-460795/5-A
Matrix: Water
Analysis Batch: 460809

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 460795

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	67.9		mg/L		91	80 - 120	1	20

Lab Sample ID: 580-140446-5 MS
Matrix: Water
Analysis Batch: 460809

Client Sample ID: 0524-12
Prep Type: Total/NA
Prep Batch: 460795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND		25.0	28.6		mg/L		114	75 - 125

Lab Sample ID: 580-140446-5 DU
Matrix: Water
Analysis Batch: 460809

Client Sample ID: 0524-12
Prep Type: Total/NA
Prep Batch: 460795

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 5310C - TOC

Lab Sample ID: MB 580-460701/4
Matrix: Water
Analysis Batch: 460701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			05/28/24 12:38	1

Lab Sample ID: LCS 580-460701/5
Matrix: Water
Analysis Batch: 460701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	25.0	23.7		mg/L		95	85 - 115

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCSD 580-460701/6
Matrix: Water
Analysis Batch: 460701

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
Total Organic Carbon			25.0	23.6		mg/L		95	85 - 115	0	20

Lab Sample ID: MB 580-461094/4
Matrix: Water
Analysis Batch: 461094

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			05/30/24 15:33	1

Lab Sample ID: LCS 580-461094/5
Matrix: Water
Analysis Batch: 461094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			25.0	24.2		mg/L		97	85 - 115		

Lab Sample ID: LCSD 580-461094/6
Matrix: Water
Analysis Batch: 461094

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
Total Organic Carbon			25.0	25.2		mg/L		101	85 - 115	4	20

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-10
Lab Sample ID: 580-140446-1
Date Collected: 05/22/24 11:43
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460634	AA	EET SEA	05/28/24 20:00
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 18:09
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:22
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 13:48
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 11:58
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 14:15
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:06
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 16:45
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460555	MLT	EET SEA	05/25/24 18:20
Total/NA	Analysis	SM 5220D		1	460557	MLT	EET SEA	05/25/24 21:19
Total/NA	Analysis	SM 5310C		1	460701	AUA	EET SEA	05/29/24 01:01

Client Sample ID: 0524-09
Lab Sample ID: 580-140446-2
Date Collected: 05/22/24 10:48
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460634	AA	EET SEA	05/28/24 19:37
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 18:32
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 17:55
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 14:08
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:18
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 14:27
Total/NA	Analysis	300.0		2	460762	CA	EET SEA	05/28/24 16:38
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:08
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 16:51
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460555	MLT	EET SEA	05/25/24 18:20
Total/NA	Analysis	SM 5220D		1	460557	MLT	EET SEA	05/25/24 21:19
Total/NA	Analysis	SM 5310C		1	460701	AUA	EET SEA	05/29/24 02:44

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-01
Lab Sample ID: 580-140446-3
Date Collected: 05/23/24 10:00
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460634	AA	EET SEA	05/28/24 19:14
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 18:55
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:25
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 14:10
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:20
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 10:52
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:10
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 16:53
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460555	MLT	EET SEA	05/25/24 18:20
Total/NA	Analysis	SM 5220D		1	460557	MLT	EET SEA	05/25/24 21:19
Total/NA	Analysis	SM 5310C		1	460701	AUA	EET SEA	05/29/24 03:18

Client Sample ID: 0524-13
Lab Sample ID: 580-140446-4
Date Collected: 05/23/24 11:07
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460634	AA	EET SEA	05/28/24 18:05
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 19:18
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:29
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 14:12
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:23
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 11:52
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:12
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 16:55
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460555	MLT	EET SEA	05/25/24 18:20
Total/NA	Analysis	SM 5220D		1	460557	MLT	EET SEA	05/25/24 21:19
Total/NA	Analysis	SM 5310C		1	460701	AUA	EET SEA	05/29/24 03:51

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-12
Lab Sample ID: 580-140446-5
Date Collected: 05/23/24 11:50
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460634	AA	EET SEA	05/28/24 18:28
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 19:42
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:32
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 14:14
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:25
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 12:04
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:13
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 16:56
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460795	MLT	EET SEA	05/29/24 15:23
Total/NA	Analysis	SM 5220D		1	460809	MLT	EET SEA	05/29/24 18:38
Total/NA	Analysis	SM 5310C		1	460701	AUA	EET SEA	05/29/24 04:25

Client Sample ID: 0524-15
Lab Sample ID: 580-140446-6
Date Collected: 05/23/24 12:10
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460634	AA	EET SEA	05/28/24 18:51
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 20:05
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:36
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 14:17
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:27
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 12:16
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:15
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 16:58
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460795	MLT	EET SEA	05/29/24 15:23
Total/NA	Analysis	SM 5220D		1	460809	MLT	EET SEA	05/29/24 18:38
Total/NA	Analysis	SM 5310C		1	460701	AUA	EET SEA	05/29/24 04:59

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-25
Lab Sample ID: 580-140446-7
Date Collected: 05/23/24 12:45
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460682	AA	EET SEA	05/29/24 07:03
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 20:28
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:39
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 13:50
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:00
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 12:28
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:17
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 16:59
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460795	MLT	EET SEA	05/29/24 15:23
Total/NA	Analysis	SM 5220D		1	460809	MLT	EET SEA	05/29/24 18:38
Total/NA	Analysis	SM 5310C		1	460701	AUA	EET SEA	05/29/24 05:33

Client Sample ID: 0524-23
Lab Sample ID: 580-140446-8
Date Collected: 05/23/24 13:50
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460682	AA	EET SEA	05/29/24 04:29
Total/NA	Analysis	8260D SIM		1	461180	AA	EET SEA	06/03/24 18:41
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:43
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 14:19
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:32
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		10	461542	FCW	EET SEA	06/05/24 14:13
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 12:40
Total/NA	Analysis	300.0		10	460762	CA	EET SEA	05/28/24 13:39
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:19
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 17:22
Total/NA	Analysis	SM 2320B		1	461074	MLT	EET SEA	06/01/24 17:28
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460795	MLT	EET SEA	05/29/24 15:23
Total/NA	Analysis	SM 5220D		1	460809	MLT	EET SEA	05/29/24 18:38
Total/NA	Analysis	SM 5310C		1	461094	AUA	EET SEA	05/31/24 00:01

Lab Chronicle

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Client Sample ID: 0524-14
Lab Sample ID: 580-140446-9
Date Collected: 05/23/24 14:45
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460682	AA	EET SEA	05/29/24 04:52
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 21:15
Dissolved	Prep	3005A			461150	MCMS	EET SEA	06/03/24 11:17
Dissolved	Analysis	6010D		1	461383	JLS	EET SEA	06/04/24 18:46
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461346	FCW	EET SEA	06/04/24 14:21
Total Recoverable	Prep	3005A			461193	MCMS	EET SEA	06/03/24 16:47
Total Recoverable	Analysis	6020B		1	461453	FCW	EET SEA	06/05/24 12:29
Total/NA	Analysis	300.0		1	460762	CA	EET SEA	05/28/24 12:52
Total/NA	Prep	Distill/Ammonia			448291	UXCH	EET CAL 4	06/06/24 10:05
Total/NA	Analysis	350.1		1	448300	UXCH	EET CAL 4	06/06/24 13:21
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 17:47
Total/NA	Analysis	SM 2320B		1	461336	MLT	EET SEA	06/04/24 19:11
Total/NA	Analysis	SM 2540C		1	460626	MJ	EET SEA	05/28/24 11:00
Total/NA	Prep	SM 5220			460795	MLT	EET SEA	05/29/24 15:23
Total/NA	Analysis	SM 5220D		1	460809	MLT	EET SEA	05/29/24 18:38
Total/NA	Analysis	SM 5310C		1	461094	AUA	EET SEA	05/31/24 00:35

Client Sample ID: Trip Blanks
Lab Sample ID: 580-140446-10
Date Collected: 05/23/24 00:01
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	460682	AA	EET SEA	05/29/24 02:56
Total/NA	Analysis	8260D SIM		1	461015	AA	EET SEA	05/31/24 16:13

Client Sample ID: 0524-24
Lab Sample ID: 580-140446-11
Date Collected: 05/23/24 14:26
Matrix: Water
Date Received: 05/24/24 11:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		1	461495	FCG	EET SEA	06/05/24 17:47

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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

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
353.2		Water	Nitrate Nitrite as N
8260D SIM		Water	Vinyl chloride
SM 2320B		Water	Alkalinity
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity as CaCO3
SM 2540C		Water	Total Dissolved Solids
SM 5310C		Water	Total Organic Carbon

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	11-16-24
California	Los Angeles County Sanitation Districts	10109	08-01-24
California	State	3082	07-31-24
Kansas	NELAP	E-10420	08-01-24
Nevada	State	CA00111	07-31-24
Oregon	NELAP	4175	02-03-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

Sample Summary

Client: SCS Engineers
Job ID: 580-140446-1
Project/Site: Coupeville SW Facility GW Q2 2022

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-140446-1	0524-10	Water	05/22/24 11:43	05/24/24 11:02
580-140446-2	0524-09	Water	05/22/24 10:48	05/24/24 11:02
580-140446-3	0524-01	Water	05/23/24 10:00	05/24/24 11:02
580-140446-4	0524-13	Water	05/23/24 11:07	05/24/24 11:02
580-140446-5	0524-12	Water	05/23/24 11:50	05/24/24 11:02
580-140446-6	0524-15	Water	05/23/24 12:10	05/24/24 11:02
580-140446-7	0524-25	Water	05/23/24 12:45	05/24/24 11:02
580-140446-8	0524-23	Water	05/23/24 13:50	05/24/24 11:02
580-140446-9	0524-14	Water	05/23/24 14:45	05/24/24 11:02
580-140446-10	Trip Blanks	Water	05/23/24 00:01	05/24/24 11:02
580-140446-11	0524-24	Water	05/23/24 14:26	05/24/24 11:02

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JE	Lab PM: Grant, Katie	Carrier Tracking No(s): N/A	COC No: 580-62364-18230.4
Client Contact: Jovany Estrada	Phone: 425-508-6703	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: WA	Page: Page 4 of 6
Company: SCS Engineers	PWSID:			Job #: 04224035.24
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: Standard			
City: Bellevue	TAT Requested (days):			
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#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
D - HNO3
A - HCL
Other:

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)	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	Special Instructions/Note:
			Preservation Code:				S	S	S	N	D	D	A	N	N						
0524-10	5/22/24	1143	G	Water	Y	N	X	X	X	X	X	X	X	X	X						
0524-09	↓	1048		Water																	
0524-01	5/23/24	1006		Water																	
0524-13		1107		Water																	
0524-12		1150		Water																	
0524-15		1210		Water																	
0524-25		1245		Water																	
0524-23		1350		Water																	
0524-14		1445		Water	↓		↓	↓	↓	↓	↓	↓	↓	↓	↓						
trip Blanks				Water	N								X								
0524-24	↓	1426	↓	Water	Y	N									X						

580-140446 Chain of Custody

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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	5/24/24	SCS		5/24/24 1102	EETN
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:

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Enviror

Loc: 580
140446

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Grant, Katie	Carrier Tracking No(s):	COC No: 580-133493.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Katie.Grant@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-140446-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 6/10/2024			Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q2 2022	Project #: 58017834			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/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1/Distill_Ammonia (MOD) Copy Analytes	Total Number of containers	Special Instru
			Preservation Code:						
0524-10 (580-140446-1)	5/22/24	11:43 Pacific		Water			X	1	
0524-09 (580-140446-2)	5/22/24	10:48 Pacific		Water			X	1	
0524-01 (580-140446-3)	5/23/24	10:00 Pacific		Water			X	1	
0524-13 (580-140446-4)	5/23/24	11:07 Pacific		Water			X	1	
0524-12 (580-140446-5)	5/23/24	11:50 Pacific		Water			X	1	
0524-15 (580-140446-6)	5/23/24	12:10 Pacific		Water			X	1	
0524-25 (580-140446-7)	5/23/24	12:45 Pacific		Water			X	1	
0524-23 (580-140446-8)	5/23/24	13:50 Pacific		Water			X	1	
0524-14 (580-140446-9)	5/23/24	14:45 Pacific		Water			X	1	

580-140446 Chain of Custody

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: Unconfirmed	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) 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:	Company
	5/25/24 1433	ET			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 5/29/24 10:00	Company ET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9/2.0 SM4

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-140446-1

Login Number: 140446

List Source: Eurofins Seattle

List Number: 1

Creator: Harp, Cordelia

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	False	Cooler temperature outside required temperature criteria.
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.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
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 <6mm (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: 580-140446-1

Login Number: 140446
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 05/29/24 01:46 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2432646
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	2.0
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?	N/A	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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

THIRD QTR. 2024 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04224035.24	**Site Name**	Island County Coupeville SWF
Data Validator	Jovany Estrada	**Data Level**	Level 2
Date	10/15/2024	**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)
580-142794-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-142794-1	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	580-142794-1	N/A	See detailed results below.
Trip Blank	580-142794-1	Tetrachloroethene	See detailed results below.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
*+	LCS and/or LCSD is outside acceptance limits, high biased.	580-142794-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-142794-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)
Alkalinity	mg/L	450	440	2.25
Arsenic	mg/L	0.0031	0.003	3.28
Barium	mg/L	0.027	0.027	0.00
Bicarbonate	mg/L	450	440	2.25
Calcium	mg/L	100	100	0.00
Chloride	mg/L	76	76	0.00
Chromium	mg/L	0.00087	0.0008 U	8.38
Iron	mg/L	0.1 U	0.1	0.00
Lead	mg/L	0.0004 U	0.0027	148.39
Magnesium	mg/L	65	72	10.22
Manganese	mg/L	0.016	0.016	0.00
Nickel	mg/L	0.004	0.0042	4.88
Nitrate/Nitrite, Total	mg/L	3.9	4.1	5.00
Potassium	mg/L	8.5	7.8	8.59
Sodium	mg/L	40	41	2.47
Sulfate	mg/L	73	72	1.38
Tetrachloroethylene	ug/L	0.78	0.9	14.29
Total Dissolved Solids	mg/L	590	720	19.85
Total Organic Carbon	mg/L	1.9	1.9	0.00
Trichlorofluoromethane	ug/L	0.66	0.66	0.00

* 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.

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/27/2024 2:15:47 PM Revision 1

JOB DESCRIPTION

Coupeville SW Facility GW Q3 2024

JOB NUMBER

580-142794-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

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



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Authorized for release by
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Job Narrative
580-142794-1

Revision
The report being provided is a revision of the original report sent on 8/22/2024. On 08/27/2024 client requested to add Mn to total metals by method 6020B_LL; as such, this analyte has been added on the revised report.

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 8/8/2024 11:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.1°C and 5.4°C.

Receipt Exceptions
The container label for the following sample container (Plastic 1 liter unpreserved) did not match the information listed on the Chain-of-Custody (COC): 0824-04 (580-142794-4). The container label lists the sample ID as D824-07 with a sample date and time of 8/7/24 and 1248, while the COC lists the sample ID as 0824-04 with a sample date and time of 8/7/24 and 1248. Logged in reference to COC.

Client requested 300_48HR Nitrate/Nitrite analysis for these samples; however, since they were received at the laboratory out of hold they were logged in for 353.2 Nitrate/Nitrite: 0824-06 (580-142794-6), 0824-08 (580-142794-8), 0824-09 (580-142794-9) and 0824-10 (580-142794-10).

GC/MS VOA
Method 8260D_LL: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-467923 recovered outside control limits for the following analytes: Methylene Chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D_LL: The method blank for batch 467923 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-467923 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for the analyte, the data has been reported.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-467923 recovered above the upper control limit for Methylene Chloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples were impacted: 0824-06 (580-142794-6), 0824-07 (580-142794-7), 0824-08 (580-142794-8), 0824-09 (580-142794-9), 0824-10 (580-142794-10) and (CCVIS 580-467923/4).

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-468572 recovered outside acceptance criteria, low biased, for Methyl iodide. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for the analyte, the data has been reported.

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

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

General Chemistry

Job ID: 580-142794-1 (Continued) Eurofins Seattle

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

Definitions/Glossary

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-01
Date Collected: 08/07/24 09:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-1
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		ug/L			08/12/24 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 120*		*08/12/24 17:51*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*08/12/24 17:51*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*08/12/24 17:51*	*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		ug/L			08/17/24 06:06	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 06:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 06:06	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 06:06	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 06:06	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 06:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 06:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 06:06	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 06:06	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 06:06	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 06:06	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 06:06	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 06:06	1
2-Butanone	ND		10		ug/L			08/17/24 06:06	1
2-Hexanone	ND		3.0		ug/L			08/17/24 06:06	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 06:06	1
Acetone	ND		10		ug/L			08/17/24 06:06	1
Acrylonitrile	ND		10		ug/L			08/17/24 06:06	1
Benzene	ND		0.20		ug/L			08/17/24 06:06	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 06:06	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 06:06	1
Bromoform	ND		0.50		ug/L			08/17/24 06:06	1
Bromomethane	ND		0.50		ug/L			08/17/24 06:06	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 06:06	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 06:06	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 06:06	1
Chloroethane	ND		0.50		ug/L			08/17/24 06:06	1
Chloroform	ND		0.20		ug/L			08/17/24 06:06	1
Chloromethane	ND		0.50		ug/L			08/17/24 06:06	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 06:06	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 06:06	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 06:06	1
Dibromomethane	ND		0.20		ug/L			08/17/24 06:06	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 06:06	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 06:06	1
Methyl iodide	ND		1.0		ug/L			08/17/24 06:06	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 06:06	1
o-Xylene	ND		0.50		ug/L			08/17/24 06:06	1
Styrene	ND		1.0		ug/L			08/17/24 06:06	1
Tetrachloroethene	**0.88**		0.50		ug/L			08/17/24 06:06	1

Client Sample ID: 0824-01
Date Collected: 08/07/24 09:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-1
Matrix: Water

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		ug/L			08/17/24 06:06	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 06:06	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 06:06	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 06:06	1
Trichloroethene	ND		0.20		ug/L			08/17/24 06:06	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 06:06	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 06:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/17/24 06:06*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/17/24 06:06*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/17/24 06:06*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 06:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50		mg/L		08/09/24 17:31	08/21/24 17:09	1
Iron	**0.87**		0.30		mg/L		08/09/24 17:31	08/21/24 17:09	1
Magnesium	**65**		0.50		mg/L		08/09/24 17:31	08/21/24 17:09	1
Manganese	**0.092**		0.020		mg/L		08/09/24 17:31	08/21/24 17:09	1
Potassium	**7.7**		3.3		mg/L		08/09/24 17:31	08/21/24 17:09	1
Sodium	**31**		0.50		mg/L		08/09/24 17:31	08/21/24 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 14:30	1
Arsenic	**0.0060**		0.0010		mg/L		08/09/24 17:31	08/12/24 14:30	1
Barium	**0.052**		0.0012		mg/L		08/09/24 17:31	08/12/24 14:30	1
Beryllium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:30	1
Cadmium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:30	1
Chromium	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 14:30	1
Cobalt	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:30	1
Copper	ND		0.0020		mg/L		08/09/24 17:31	08/12/24 14:30	1
Iron	**0.87**		0.10		mg/L		08/09/24 17:31	08/12/24 14:30	1
Lead	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:30	1
Manganese	**0.083**		0.0020		mg/L		08/09/24 17:31	08/12/24 14:30	1
Nickel	ND		0.0030		mg/L		08/09/24 17:31	08/12/24 14:30	1
Selenium	ND		0.0080		mg/L		08/09/24 17:31	08/12/24 14:30	1
Silver	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:30	1
Thallium	ND		0.0010		mg/L		08/09/24 17:31	08/12/24 14:30	1
Vanadium	ND		0.0040		mg/L		08/09/24 17:31	08/12/24 14:30	1
Zinc	ND		0.0070		mg/L		08/09/24 17:31	08/12/24 14:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 10:34	1
Chloride (EPA 300.0)	**61**		1.5		mg/L			08/09/24 10:34	1
Sulfate (EPA 300.0)	**50**		1.5		mg/L			08/09/24 10:34	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:25	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			08/21/24 21:10	1

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-01
Lab Sample ID: 580-142794-1
Date Collected: 08/07/24 09:45
Matrix: Water
Date Received: 08/08/24 11:42

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	**1.5**		1.5		mg/L			08/14/24 14:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**450**		7.0		mg/L			08/16/24 13:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**450**		7.0		mg/L			08/16/24 13:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:41	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:41	1
Total Dissolved Solids (SM 2540C)	**610**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-02
Date Collected: 08/07/24 10:41
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-2
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		0.020		ug/L			08/12/24 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 18:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 18:14*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 125*		*08/12/24 18:14*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 18:14*	*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		ug/L			08/17/24 06:29	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 06:29	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 06:29	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 06:29	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 06:29	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 06:29	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 06:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 06:29	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 06:29	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 06:29	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 06:29	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 06:29	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 06:29	1
2-Butanone	ND		10		ug/L			08/17/24 06:29	1
2-Hexanone	ND		3.0		ug/L			08/17/24 06:29	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 06:29	1
Acetone	ND		10		ug/L			08/17/24 06:29	1
Acrylonitrile	ND		10		ug/L			08/17/24 06:29	1
Benzene	ND		0.20		ug/L			08/17/24 06:29	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 06:29	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 06:29	1
Bromoform	ND		0.50		ug/L			08/17/24 06:29	1
Bromomethane	ND		0.50		ug/L			08/17/24 06:29	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 06:29	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 06:29	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 06:29	1
Chloroethane	ND		0.50		ug/L			08/17/24 06:29	1
Chloroform	ND		0.20		ug/L			08/17/24 06:29	1
Chloromethane	ND		0.50		ug/L			08/17/24 06:29	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 06:29	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 06:29	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 06:29	1
Dibromomethane	ND		0.20		ug/L			08/17/24 06:29	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 06:29	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 06:29	1
Methyl iodide	ND		1.0		ug/L			08/17/24 06:29	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 06:29	1
o-Xylene	ND		0.50		ug/L			08/17/24 06:29	1
Styrene	ND		1.0		ug/L			08/17/24 06:29	1
Tetrachloroethene	**0.90**		0.50		ug/L			08/17/24 06:29	1

Client Sample ID: 0824-02

Date Collected: 08/07/24 10:41
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-2

Matrix: Water

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		ug/L			08/17/24 06:29	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 06:29	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 06:29	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 06:29	1
Trichloroethene	ND		0.20		ug/L			08/17/24 06:29	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 06:29	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/17/24 06:29*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/17/24 06:29*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*08/17/24 06:29*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 06:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**29**		0.50		mg/L		08/09/24 17:20	08/13/24 20:39	1
Iron	ND		0.30		mg/L		08/09/24 17:20	08/13/24 20:39	1
Magnesium	**34**		0.50		mg/L		08/09/24 17:20	08/13/24 20:39	1
Manganese	**0.030**		0.020		mg/L		08/09/24 17:20	08/13/24 20:39	1
Potassium	**14**		3.3		mg/L		08/09/24 17:20	08/13/24 20:39	1
Sodium	**15**		0.50		mg/L		08/09/24 17:20	08/13/24 20:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 14:05	1
Arsenic	**0.021**		0.0010		mg/L		08/09/24 17:31	08/12/24 14:05	1
Barium	**0.028**		0.0012		mg/L		08/09/24 17:31	08/12/24 14:05	1
Beryllium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:05	1
Cadmium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:05	1
Chromium	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 14:05	1
Cobalt	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:05	1
Copper	ND		0.0020		mg/L		08/09/24 17:31	08/12/24 14:05	1
Iron	**0.11**		0.10		mg/L		08/09/24 17:31	08/12/24 14:05	1
Lead	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:05	1
Manganese	**0.026**		0.0020		mg/L		08/09/24 17:31	08/12/24 14:05	1
Nickel	ND		0.0030		mg/L		08/09/24 17:31	08/12/24 14:05	1
Selenium	ND		0.0080		mg/L		08/09/24 17:31	08/12/24 14:05	1
Silver	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:05	1
Thallium	ND		0.0010		mg/L		08/09/24 17:31	08/12/24 14:05	1
Vanadium	ND		0.0040		mg/L		08/09/24 17:31	08/12/24 14:05	1
Zinc	ND		0.0070		mg/L		08/09/24 17:31	08/12/24 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 10:46	1
Chloride (EPA 300.0)	**42**		1.5		mg/L			08/09/24 10:46	1
Sulfate (EPA 300.0)	**18**		1.5		mg/L			08/09/24 10:46	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:26	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			08/21/24 21:11	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-02
Date Collected: 08/07/24 10:41
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-2
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			08/14/24 15:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**200**		7.0		mg/L			08/16/24 13:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**200**		7.0		mg/L			08/16/24 13:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:41	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:41	1
Total Dissolved Solids (SM 2540C)	**270**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-03

Date Collected: 08/07/24 11:56
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-3

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		ug/L			08/12/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 18:38*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 125*		*08/12/24 18:38*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 18:38*	*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		ug/L			08/17/24 06:52	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 06:52	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 06:52	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 06:52	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 06:52	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 06:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 06:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 06:52	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 06:52	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 06:52	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 06:52	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 06:52	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 06:52	1
2-Butanone	ND		10		ug/L			08/17/24 06:52	1
2-Hexanone	ND		3.0		ug/L			08/17/24 06:52	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 06:52	1
Acetone	ND		10		ug/L			08/17/24 06:52	1
Acrylonitrile	ND		10		ug/L			08/17/24 06:52	1
Benzene	ND		0.20		ug/L			08/17/24 06:52	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 06:52	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 06:52	1
Bromoform	ND		0.50		ug/L			08/17/24 06:52	1
Bromomethane	ND		0.50		ug/L			08/17/24 06:52	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 06:52	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 06:52	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 06:52	1
Chloroethane	ND		0.50		ug/L			08/17/24 06:52	1
Chloroform	ND		0.20		ug/L			08/17/24 06:52	1
Chloromethane	ND		0.50		ug/L			08/17/24 06:52	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 06:52	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 06:52	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 06:52	1
Dibromomethane	ND		0.20		ug/L			08/17/24 06:52	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 06:52	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 06:52	1
Methyl iodide	ND		1.0		ug/L			08/17/24 06:52	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 06:52	1
o-Xylene	ND		0.50		ug/L			08/17/24 06:52	1
Styrene	ND		1.0		ug/L			08/17/24 06:52	1
Tetrachloroethene	**1.5**		0.50		ug/L			08/17/24 06:52	1

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-03
Lab Sample ID: 580-142794-3
Date Collected: 08/07/24 11:56
Matrix: Water
Date Received: 08/08/24 11:42

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		ug/L			08/17/24 06:52	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 06:52	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 06:52	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 06:52	1
Trichloroethene	ND		0.20		ug/L			08/17/24 06:52	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 06:52	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/17/24 06:52*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/17/24 06:52*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/17/24 06:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 06:52*	*1*

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-04
Date Collected: 08/07/24 12:48
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-4
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		ug/L			08/12/24 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 19:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 19:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*08/12/24 19:01*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 19:01*	*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		ug/L			08/17/24 07:16	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 07:16	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 07:16	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 07:16	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 07:16	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 07:16	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 07:16	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 07:16	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 07:16	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 07:16	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 07:16	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 07:16	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 07:16	1
2-Butanone	ND		10		ug/L			08/17/24 07:16	1
2-Hexanone	ND		3.0		ug/L			08/17/24 07:16	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 07:16	1
Acetone	ND		10		ug/L			08/17/24 07:16	1
Acrylonitrile	ND		10		ug/L			08/17/24 07:16	1
Benzene	ND		0.20		ug/L			08/17/24 07:16	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 07:16	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 07:16	1
Bromoform	ND		0.50		ug/L			08/17/24 07:16	1
Bromomethane	ND		0.50		ug/L			08/17/24 07:16	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 07:16	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 07:16	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 07:16	1
Chloroethane	ND		0.50		ug/L			08/17/24 07:16	1
Chloroform	ND		0.20		ug/L			08/17/24 07:16	1
Chloromethane	ND		0.50		ug/L			08/17/24 07:16	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 07:16	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 07:16	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 07:16	1
Dibromomethane	ND		0.20		ug/L			08/17/24 07:16	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 07:16	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 07:16	1
Methyl iodide	ND		1.0		ug/L			08/17/24 07:16	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 07:16	1
o-Xylene	ND		0.50		ug/L			08/17/24 07:16	1
Styrene	ND		1.0		ug/L			08/17/24 07:16	1
Tetrachloroethene	**0.92**		0.50		ug/L			08/17/24 07:16	1

Client Sample ID: 0824-04

Date Collected: 08/07/24 12:48
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-4

Matrix: Water

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		ug/L			08/17/24 07:16	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 07:16	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 07:16	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 07:16	1
Trichloroethene	ND		0.20		ug/L			08/17/24 07:16	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 07:16	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/17/24 07:16*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/17/24 07:16*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*08/17/24 07:16*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/17/24 07:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**180**		0.50		mg/L		08/09/24 17:31	08/21/24 17:12	1
Iron	**2.1**		0.30		mg/L		08/09/24 17:31	08/21/24 17:12	1
Magnesium	**90**		0.50		mg/L		08/09/24 17:31	08/21/24 17:12	1
Manganese	**0.46**		0.020		mg/L		08/09/24 17:31	08/21/24 17:12	1
Potassium	**8.5**		3.3		mg/L		08/09/24 17:31	08/21/24 17:12	1
Sodium	**36**		0.50		mg/L		08/09/24 17:31	08/21/24 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 14:27	1
Arsenic	**0.0057**		0.0010		mg/L		08/09/24 17:31	08/12/24 14:27	1
Barium	**0.085**		0.0012		mg/L		08/09/24 17:31	08/12/24 14:27	1
Beryllium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:27	1
Cadmium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:27	1
Chromium	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 14:27	1
Cobalt	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:27	1
Copper	ND		0.0020		mg/L		08/09/24 17:31	08/12/24 14:27	1
Iron	**1.9**		0.10		mg/L		08/09/24 17:31	08/12/24 14:27	1
Lead	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:27	1
Manganese	**0.41**		0.0020		mg/L		08/09/24 17:31	08/12/24 14:27	1
Nickel	ND		0.0030		mg/L		08/09/24 17:31	08/12/24 14:27	1
Selenium	ND		0.0080		mg/L		08/09/24 17:31	08/12/24 14:27	1
Silver	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 14:27	1
Thallium	ND		0.0010		mg/L		08/09/24 17:31	08/12/24 14:27	1
Vanadium	ND		0.0040		mg/L		08/09/24 17:31	08/12/24 14:27	1
Zinc	ND		0.0070		mg/L		08/09/24 17:31	08/12/24 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 10:58	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			08/09/24 10:58	1
Chloride (EPA 300.0)	**25**		1.5		mg/L			08/09/24 10:58	1
Sulfate (EPA 300.0)	**40**		1.5		mg/L			08/09/24 10:58	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:28	1

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-04
Lab Sample ID: 580-142794-4
Date Collected: 08/07/24 12:48
Matrix: Water
Date Received: 08/08/24 11:42

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	**2.0**		1.5		mg/L			08/14/24 16:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**770**		7.0		mg/L			08/16/24 13:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**770**		7.0		mg/L			08/16/24 13:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:41	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:41	1
Total Dissolved Solids (SM 2540C)	**860**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-05
Date Collected: 08/07/24 13:57
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-5
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		ug/L			08/12/24 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 19:24*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*08/12/24 19:24*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 19:24*	*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		ug/L			08/17/24 07:39	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 07:39	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 07:39	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 07:39	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 07:39	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 07:39	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 07:39	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 07:39	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 07:39	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 07:39	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 07:39	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 07:39	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 07:39	1
2-Butanone	ND		10		ug/L			08/17/24 07:39	1
2-Hexanone	ND		3.0		ug/L			08/17/24 07:39	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 07:39	1
Acetone	ND		10		ug/L			08/17/24 07:39	1
Acrylonitrile	ND		10		ug/L			08/17/24 07:39	1
Benzene	ND		0.20		ug/L			08/17/24 07:39	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 07:39	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 07:39	1
Bromoform	ND		0.50		ug/L			08/17/24 07:39	1
Bromomethane	ND		0.50		ug/L			08/17/24 07:39	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 07:39	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 07:39	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 07:39	1
Chloroethane	ND		0.50		ug/L			08/17/24 07:39	1
Chloroform	ND		0.20		ug/L			08/17/24 07:39	1
Chloromethane	ND		0.50		ug/L			08/17/24 07:39	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 07:39	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 07:39	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 07:39	1
Dibromomethane	ND		0.20		ug/L			08/17/24 07:39	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 07:39	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 07:39	1
Methyl iodide	ND		1.0		ug/L			08/17/24 07:39	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 07:39	1
o-Xylene	ND		0.50		ug/L			08/17/24 07:39	1
Styrene	ND		1.0		ug/L			08/17/24 07:39	1
Tetrachloroethene	ND		0.50		ug/L			08/17/24 07:39	1

Client Sample ID: 0824-05
Date Collected: 08/07/24 13:57
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-5
Matrix: Water

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		ug/L			08/17/24 07:39	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 07:39	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 07:39	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 07:39	1
Trichloroethene	ND		0.20		ug/L			08/17/24 07:39	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 07:39	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/17/24 07:39*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/17/24 07:39*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/17/24 07:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 07:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**56**		0.50		mg/L		08/09/24 17:31	08/21/24 17:16	1
Iron	**1.3**		0.30		mg/L		08/09/24 17:31	08/21/24 17:16	1
Magnesium	**32**		0.50		mg/L		08/09/24 17:31	08/21/24 17:16	1
Manganese	**0.32**		0.020		mg/L		08/09/24 17:31	08/21/24 17:16	1
Potassium	**5.2**		3.3		mg/L		08/09/24 17:31	08/21/24 17:16	1
Sodium	**24**		0.50		mg/L		08/09/24 17:31	08/21/24 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/09/24 17:20	08/12/24 12:48	1
Arsenic	**0.0050**		0.0010		mg/L		08/09/24 17:20	08/12/24 12:48	1
Barium	**0.061**		0.0012		mg/L		08/09/24 17:20	08/12/24 12:48	1
Beryllium	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 12:48	1
Cadmium	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 12:48	1
Chromium	ND		0.00080		mg/L		08/09/24 17:20	08/12/24 12:48	1
Cobalt	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 12:48	1
Copper	ND		0.0020		mg/L		08/09/24 17:20	08/12/24 12:48	1
Iron	**1.2**		0.10		mg/L		08/09/24 17:20	08/12/24 12:48	1
Lead	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 12:48	1
Manganese	**0.27**		0.0020		mg/L		08/09/24 17:20	08/12/24 12:48	1
Nickel	ND		0.0030		mg/L		08/09/24 17:20	08/12/24 12:48	1
Selenium	ND		0.0080		mg/L		08/09/24 17:20	08/12/24 12:48	1
Silver	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 12:48	1
Thallium	ND		0.0010		mg/L		08/09/24 17:20	08/12/24 12:48	1
Vanadium	ND		0.0040		mg/L		08/09/24 17:20	08/12/24 12:48	1
Zinc	ND		0.0070		mg/L		08/09/24 17:20	08/12/24 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 11:10	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			08/09/24 11:10	1
Chloride (EPA 300.0)	**13**		1.5		mg/L			08/09/24 11:10	1
Sulfate (EPA 300.0)	**23**		1.5		mg/L			08/09/24 11:10	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:30	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-05
Date Collected: 08/07/24 13:57
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			08/14/24 17:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**300**		7.0		mg/L			08/16/24 13:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**300**		7.0		mg/L			08/16/24 13:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:41	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:41	1
Total Dissolved Solids (SM 2540C)	**300**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-06

Date Collected: 08/06/24 11:22
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-6

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		ug/L			08/12/24 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 19:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 120*		*08/12/24 19:47*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 125*		*08/12/24 19:47*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*08/12/24 19:47*	*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		ug/L			08/12/24 17:49	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/12/24 17:49	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/12/24 17:49	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/12/24 17:49	1
1,1-Dichloroethane	ND		0.20		ug/L			08/12/24 17:49	1
1,1-Dichloroethene	ND		0.20		ug/L			08/12/24 17:49	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/12/24 17:49	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/12/24 17:49	1
1,2-Dibromoethane	ND		0.15		ug/L			08/12/24 17:49	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/12/24 17:49	1
1,2-Dichloroethane	ND		0.25		ug/L			08/12/24 17:49	1
1,2-Dichloropropane	ND		0.20		ug/L			08/12/24 17:49	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/12/24 17:49	1
2-Butanone	ND		10		ug/L			08/12/24 17:49	1
2-Hexanone	ND		3.0		ug/L			08/12/24 17:49	1
4-Methyl-2-pentanone	ND		10		ug/L			08/12/24 17:49	1
Acetone	ND		10		ug/L			08/12/24 17:49	1
Acrylonitrile	ND		10		ug/L			08/12/24 17:49	1
Benzene	ND		0.20		ug/L			08/12/24 17:49	1
Bromochloromethane	ND		0.20		ug/L			08/12/24 17:49	1
Bromodichloromethane	ND		0.20		ug/L			08/12/24 17:49	1
Bromoform	ND		0.50		ug/L			08/12/24 17:49	1
Bromomethane	ND		0.50		ug/L			08/12/24 17:49	1
Carbon disulfide	ND		0.40		ug/L			08/12/24 17:49	1
Carbon tetrachloride	ND		0.20		ug/L			08/12/24 17:49	1
Chlorobenzene	ND		0.20		ug/L			08/12/24 17:49	1
Chloroethane	ND		0.50		ug/L			08/12/24 17:49	1
Chloroform	ND		0.20		ug/L			08/12/24 17:49	1
Chloromethane	ND		0.50		ug/L			08/12/24 17:49	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 17:49	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 17:49	1
Dibromochloromethane	ND		0.20		ug/L			08/12/24 17:49	1
Dibromomethane	ND		0.20		ug/L			08/12/24 17:49	1
Ethylbenzene	ND		0.20		ug/L			08/12/24 17:49	1
m,p-Xylene	ND		0.50		ug/L			08/12/24 17:49	1
Methyl iodide	ND		1.0		ug/L			08/12/24 17:49	1
Methylene Chloride	ND	*+	5.0		ug/L			08/12/24 17:49	1
o-Xylene	ND		0.50		ug/L			08/12/24 17:49	1
Styrene	ND		1.0		ug/L			08/12/24 17:49	1
Tetrachloroethene	**0.82**		0.50		ug/L			08/12/24 17:49	1

Client Sample ID: 0824-06

Date Collected: 08/06/24 11:22
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-6

Matrix: Water

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		ug/L			08/12/24 17:49	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 17:49	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 17:49	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/12/24 17:49	1
Trichloroethene	ND		0.20		ug/L			08/12/24 17:49	1
Trichlorofluoromethane	ND		0.50		ug/L			08/12/24 17:49	1
Vinyl acetate	ND		2.0		ug/L			08/12/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/12/24 17:49*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/12/24 17:49*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*08/12/24 17:49*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 17:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**70**		0.50		mg/L		08/12/24 19:27	08/13/24 18:34	1
Iron	**1.6**		0.30		mg/L		08/12/24 19:27	08/13/24 18:34	1
Magnesium	**38**		0.50		mg/L		08/12/24 19:27	08/13/24 18:34	1
Manganese	**0.55**		0.020		mg/L		08/12/24 19:27	08/13/24 18:34	1
Potassium	**5.6**		3.3		mg/L		08/12/24 19:27	08/13/24 18:34	1
Sodium	**34**		0.50		mg/L		08/12/24 19:27	08/13/24 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:10	1
Arsenic	**0.0021**		0.0010		mg/L		08/12/24 19:27	08/13/24 13:10	1
Barium	**0.076**		0.0012		mg/L		08/12/24 19:27	08/13/24 13:10	1
Beryllium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:10	1
Cadmium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:10	1
Chromium	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:10	1
Cobalt	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:10	1
Copper	ND		0.0020		mg/L		08/12/24 19:27	08/13/24 13:10	1
Iron	**1.8**		0.10		mg/L		08/12/24 19:27	08/13/24 13:10	1
Lead	**0.00055**		0.00040		mg/L		08/12/24 19:27	08/13/24 13:10	1
Manganese	**0.51**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:10	1
Nickel	ND		0.0030		mg/L		08/12/24 19:27	08/13/24 13:10	1
Selenium	ND		0.0080		mg/L		08/12/24 19:27	08/13/24 13:10	1
Silver	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:10	1
Thallium	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 13:10	1
Vanadium	ND		0.0040		mg/L		08/12/24 19:27	08/13/24 13:10	1
Zinc	ND		0.0070		mg/L		08/12/24 19:27	08/13/24 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 18:55	1
Chloride (EPA 300.0)	**17**		1.5		mg/L			08/09/24 18:55	1
Sulfate (EPA 300.0)	**29**		1.5		mg/L			08/09/24 18:55	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:32	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.15		mg/L			08/21/24 21:13	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-06
Date Collected: 08/06/24 11:22
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-6
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			08/14/24 18:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**350**		7.0		mg/L			08/16/24 13:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		7.0		mg/L			08/16/24 13:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:41	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:41	1
Total Dissolved Solids (SM 2540C)	**400**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-07

Date Collected: 08/06/24 12:57
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**10**		0.020		ug/L			08/12/24 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 20:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 20:10*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 125*		*08/12/24 20:10*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/12/24 20:10*	*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		ug/L			08/12/24 18:12	1
1,1,1-Trichloroethane	**0.42**		0.20		ug/L			08/12/24 18:12	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/12/24 18:12	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/12/24 18:12	1
1,1-Dichloroethane	**0.20**		0.20		ug/L			08/12/24 18:12	1
1,1-Dichloroethene	ND		0.20		ug/L			08/12/24 18:12	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/12/24 18:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/12/24 18:12	1
1,2-Dibromoethane	ND		0.15		ug/L			08/12/24 18:12	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/12/24 18:12	1
1,2-Dichloroethane	ND		0.25		ug/L			08/12/24 18:12	1
1,2-Dichloropropane	ND		0.20		ug/L			08/12/24 18:12	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/12/24 18:12	1
2-Butanone	ND		10		ug/L			08/12/24 18:12	1
2-Hexanone	ND		3.0		ug/L			08/12/24 18:12	1
4-Methyl-2-pentanone	ND		10		ug/L			08/12/24 18:12	1
Acetone	ND		10		ug/L			08/12/24 18:12	1
Acrylonitrile	ND		10		ug/L			08/12/24 18:12	1
Benzene	ND		0.20		ug/L			08/12/24 18:12	1
Bromochloromethane	ND		0.20		ug/L			08/12/24 18:12	1
Bromodichloromethane	ND		0.20		ug/L			08/12/24 18:12	1
Bromoform	ND		0.50		ug/L			08/12/24 18:12	1
Bromomethane	ND		0.50		ug/L			08/12/24 18:12	1
Carbon disulfide	ND		0.40		ug/L			08/12/24 18:12	1
Carbon tetrachloride	ND		0.20		ug/L			08/12/24 18:12	1
Chlorobenzene	ND		0.20		ug/L			08/12/24 18:12	1
Chloroethane	ND		0.50		ug/L			08/12/24 18:12	1
Chloroform	ND		0.20		ug/L			08/12/24 18:12	1
Chloromethane	ND		0.50		ug/L			08/12/24 18:12	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 18:12	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 18:12	1
Dibromochloromethane	ND		0.20		ug/L			08/12/24 18:12	1
Dibromomethane	ND		0.20		ug/L			08/12/24 18:12	1
Ethylbenzene	ND		0.20		ug/L			08/12/24 18:12	1
m,p-Xylene	ND		0.50		ug/L			08/12/24 18:12	1
Methyl iodide	ND		1.0		ug/L			08/12/24 18:12	1
Methylene Chloride	ND	*+	5.0		ug/L			08/12/24 18:12	1
o-Xylene	ND		0.50		ug/L			08/12/24 18:12	1
Styrene	ND		1.0		ug/L			08/12/24 18:12	1
Tetrachloroethene	ND		0.50		ug/L			08/12/24 18:12	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-07
Date Collected: 08/06/24 12:57
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-7
Matrix: Water

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		ug/L			08/12/24 18:12	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 18:12	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 18:12	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/12/24 18:12	1
Trichloroethene	ND		0.20		ug/L			08/12/24 18:12	1
Trichlorofluoromethane	**2.8**		0.50		ug/L			08/12/24 18:12	1
Vinyl acetate	ND		2.0		ug/L			08/12/24 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/12/24 18:12*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/12/24 18:12*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*08/12/24 18:12*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 18:12*	*1*

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-08

Date Collected: 08/06/24 14:33
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-8

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		ug/L			08/12/24 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 20:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 20:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 125*		*08/12/24 20:34*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*08/12/24 20:34*	*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		ug/L			08/12/24 18:35	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/12/24 18:35	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/12/24 18:35	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/12/24 18:35	1
1,1-Dichloroethane	ND		0.20		ug/L			08/12/24 18:35	1
1,1-Dichloroethene	ND		0.20		ug/L			08/12/24 18:35	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/12/24 18:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/12/24 18:35	1
1,2-Dibromoethane	ND		0.15		ug/L			08/12/24 18:35	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/12/24 18:35	1
1,2-Dichloroethane	ND		0.25		ug/L			08/12/24 18:35	1
1,2-Dichloropropane	ND		0.20		ug/L			08/12/24 18:35	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/12/24 18:35	1
2-Butanone	ND		10		ug/L			08/12/24 18:35	1
2-Hexanone	ND		3.0		ug/L			08/12/24 18:35	1
4-Methyl-2-pentanone	ND		10		ug/L			08/12/24 18:35	1
Acetone	ND		10		ug/L			08/12/24 18:35	1
Acrylonitrile	ND		10		ug/L			08/12/24 18:35	1
Benzene	ND		0.20		ug/L			08/12/24 18:35	1
Bromochloromethane	ND		0.20		ug/L			08/12/24 18:35	1
Bromodichloromethane	ND		0.20		ug/L			08/12/24 18:35	1
Bromoform	ND		0.50		ug/L			08/12/24 18:35	1
Bromomethane	ND		0.50		ug/L			08/12/24 18:35	1
Carbon disulfide	ND		0.40		ug/L			08/12/24 18:35	1
Carbon tetrachloride	ND		0.20		ug/L			08/12/24 18:35	1
Chlorobenzene	ND		0.20		ug/L			08/12/24 18:35	1
Chloroethane	ND		0.50		ug/L			08/12/24 18:35	1
Chloroform	ND		0.20		ug/L			08/12/24 18:35	1
Chloromethane	ND		0.50		ug/L			08/12/24 18:35	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 18:35	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 18:35	1
Dibromochloromethane	ND		0.20		ug/L			08/12/24 18:35	1
Dibromomethane	ND		0.20		ug/L			08/12/24 18:35	1
Ethylbenzene	ND		0.20		ug/L			08/12/24 18:35	1
m,p-Xylene	ND		0.50		ug/L			08/12/24 18:35	1
Methyl iodide	ND		1.0		ug/L			08/12/24 18:35	1
Methylene Chloride	ND	*+	5.0		ug/L			08/12/24 18:35	1
o-Xylene	ND		0.50		ug/L			08/12/24 18:35	1
Styrene	ND		1.0		ug/L			08/12/24 18:35	1
Tetrachloroethene	**0.78**		0.50		ug/L			08/12/24 18:35	1

Client Sample ID: 0824-08
Date Collected: 08/06/24 14:33
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-8
Matrix: Water

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		ug/L			08/12/24 18:35	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 18:35	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 18:35	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/12/24 18:35	1
Trichloroethene	ND		0.20		ug/L			08/12/24 18:35	1
Trichlorofluoromethane	**0.66**		0.50		ug/L			08/12/24 18:35	1
Vinyl acetate	ND		2.0		ug/L			08/12/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*08/12/24 18:35*	*1*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*		*08/12/24 18:35*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*08/12/24 18:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 18:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50		mg/L		08/13/24 18:13	08/16/24 12:48	1
Iron	ND		0.30		mg/L		08/13/24 18:13	08/16/24 12:48	1
Magnesium	**65**		0.50		mg/L		08/13/24 18:13	08/14/24 18:38	1
Manganese	ND		0.020		mg/L		08/13/24 18:13	08/14/24 18:38	1
Potassium	**8.5**		3.3		mg/L		08/13/24 18:13	08/14/24 18:38	1
Sodium	**40**		0.50		mg/L		08/13/24 18:13	08/16/24 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:02	1
Arsenic	**0.0031**		0.0010		mg/L		08/12/24 19:27	08/13/24 13:02	1
Barium	**0.027**		0.0012		mg/L		08/12/24 19:27	08/13/24 13:02	1
Beryllium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:02	1
Cadmium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:02	1
Chromium	**0.00087**		0.00080		mg/L		08/12/24 19:27	08/13/24 13:02	1
Cobalt	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:02	1
Copper	ND		0.0020		mg/L		08/12/24 19:27	08/13/24 13:02	1
Iron	ND		0.10		mg/L		08/12/24 19:27	08/13/24 13:02	1
Lead	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:02	1
Manganese	**0.016**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:02	1
Nickel	**0.0040**		0.0030		mg/L		08/12/24 19:27	08/13/24 13:02	1
Selenium	ND		0.0080		mg/L		08/12/24 19:27	08/13/24 13:02	1
Silver	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:02	1
Thallium	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 13:02	1
Vanadium	ND		0.0040		mg/L		08/12/24 19:27	08/13/24 13:02	1
Zinc	ND		0.0070		mg/L		08/12/24 19:27	08/13/24 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 19:07	1
Chloride (EPA 300.0)	**76**		1.5		mg/L			08/09/24 19:07	1
Sulfate (EPA 300.0)	**73**		1.5		mg/L			08/09/24 19:07	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:34	1
Nitrate Nitrite as N (EPA 353.2)	**3.9**		0.15		mg/L			08/21/24 21:15	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-08
Date Collected: 08/06/24 14:33
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-8
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	**1.9**		1.5		mg/L			08/14/24 19:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**450**		7.0		mg/L			08/16/24 13:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**450**		7.0		mg/L			08/16/24 13:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:41	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:41	1
Total Dissolved Solids (SM 2540C)	**590**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-09

Date Collected: 08/06/24 14:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-9

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		ug/L			08/12/24 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 20:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 120*		*08/12/24 20:57*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*08/12/24 20:57*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*08/12/24 20:57*	*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		ug/L			08/12/24 18:58	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/12/24 18:58	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/12/24 18:58	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/12/24 18:58	1
1,1-Dichloroethane	ND		0.20		ug/L			08/12/24 18:58	1
1,1-Dichloroethene	ND		0.20		ug/L			08/12/24 18:58	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/12/24 18:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/12/24 18:58	1
1,2-Dibromoethane	ND		0.15		ug/L			08/12/24 18:58	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/12/24 18:58	1
1,2-Dichloroethane	ND		0.25		ug/L			08/12/24 18:58	1
1,2-Dichloropropane	ND		0.20		ug/L			08/12/24 18:58	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/12/24 18:58	1
2-Butanone	ND		10		ug/L			08/12/24 18:58	1
2-Hexanone	ND		3.0		ug/L			08/12/24 18:58	1
4-Methyl-2-pentanone	ND		10		ug/L			08/12/24 18:58	1
Acetone	ND		10		ug/L			08/12/24 18:58	1
Acrylonitrile	ND		10		ug/L			08/12/24 18:58	1
Benzene	ND		0.20		ug/L			08/12/24 18:58	1
Bromochloromethane	ND		0.20		ug/L			08/12/24 18:58	1
Bromodichloromethane	ND		0.20		ug/L			08/12/24 18:58	1
Bromoform	ND		0.50		ug/L			08/12/24 18:58	1
Bromomethane	ND		0.50		ug/L			08/12/24 18:58	1
Carbon disulfide	ND		0.40		ug/L			08/12/24 18:58	1
Carbon tetrachloride	ND		0.20		ug/L			08/12/24 18:58	1
Chlorobenzene	ND		0.20		ug/L			08/12/24 18:58	1
Chloroethane	ND		0.50		ug/L			08/12/24 18:58	1
Chloroform	ND		0.20		ug/L			08/12/24 18:58	1
Chloromethane	ND		0.50		ug/L			08/12/24 18:58	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 18:58	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 18:58	1
Dibromochloromethane	ND		0.20		ug/L			08/12/24 18:58	1
Dibromomethane	ND		0.20		ug/L			08/12/24 18:58	1
Ethylbenzene	ND		0.20		ug/L			08/12/24 18:58	1
m,p-Xylene	ND		0.50		ug/L			08/12/24 18:58	1
Methyl iodide	ND		1.0		ug/L			08/12/24 18:58	1
Methylene Chloride	ND	*+	5.0		ug/L			08/12/24 18:58	1
o-Xylene	ND		0.50		ug/L			08/12/24 18:58	1
Styrene	ND		1.0		ug/L			08/12/24 18:58	1
Tetrachloroethene	**0.90**		0.50		ug/L			08/12/24 18:58	1

Client Sample ID: 0824-09
Date Collected: 08/06/24 14:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-9
Matrix: Water

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		ug/L			08/12/24 18:58	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 18:58	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 18:58	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/12/24 18:58	1
Trichloroethene	ND		0.20		ug/L			08/12/24 18:58	1
Trichlorofluoromethane	**0.66**		0.50		ug/L			08/12/24 18:58	1
Vinyl acetate	ND		2.0		ug/L			08/12/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 120*		*08/12/24 18:58*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/12/24 18:58*	*1*
Dibromofluoromethane (Surr)	*117*		*80 - 120*		*08/12/24 18:58*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 18:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50		mg/L		08/12/24 19:27	08/13/24 18:37	1
Iron	ND		0.30		mg/L		08/12/24 19:27	08/13/24 18:37	1
Magnesium	**72**		0.50		mg/L		08/12/24 19:27	08/13/24 18:37	1
Manganese	ND		0.020		mg/L		08/12/24 19:27	08/13/24 18:37	1
Potassium	**7.8**		3.3		mg/L		08/12/24 19:27	08/13/24 18:37	1
Sodium	**41**		0.50		mg/L		08/12/24 19:27	08/13/24 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:16	1
Arsenic	**0.0030**		0.0010		mg/L		08/12/24 19:27	08/13/24 13:16	1
Barium	**0.027**		0.0012		mg/L		08/12/24 19:27	08/13/24 13:16	1
Beryllium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:16	1
Cadmium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:16	1
Chromium	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:16	1
Cobalt	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:16	1
Copper	ND		0.0020		mg/L		08/12/24 19:27	08/13/24 13:16	1
Iron	**0.10**		0.10		mg/L		08/12/24 19:27	08/13/24 13:16	1
Lead	**0.0027**		0.00040		mg/L		08/12/24 19:27	08/13/24 13:16	1
Manganese	**0.016**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:16	1
Nickel	**0.0042**		0.0030		mg/L		08/12/24 19:27	08/13/24 13:16	1
Selenium	ND		0.0080		mg/L		08/12/24 19:27	08/13/24 13:16	1
Silver	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:16	1
Thallium	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 13:16	1
Vanadium	ND		0.0040		mg/L		08/12/24 19:27	08/13/24 13:16	1
Zinc	ND		0.0070		mg/L		08/12/24 19:27	08/13/24 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 19:19	1
Chloride (EPA 300.0)	**76**		1.5		mg/L			08/09/24 19:19	1
Sulfate (EPA 300.0)	**72**		1.5		mg/L			08/09/24 19:19	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:36	1
Nitrate Nitrite as N (EPA 353.2)	**4.1**		0.15		mg/L			08/21/24 21:17	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-09
Date Collected: 08/06/24 14:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	**1.9**		1.5		mg/L			08/14/24 19:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**440**		7.0		mg/L			08/16/24 13:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**440**		7.0		mg/L			08/16/24 13:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:42	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:42	1
Total Dissolved Solids (SM 2540C)	**720**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-10

Date Collected: 08/06/24 10:32
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**0.77**		0.020		ug/L			08/12/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 21:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 21:20*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*08/12/24 21:20*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 21:20*	*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		ug/L			08/12/24 19:21	1
1,1,1-Trichloroethane	**0.41**		0.20		ug/L			08/12/24 19:21	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/12/24 19:21	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/12/24 19:21	1
1,1-Dichloroethane	**2.5**		0.20		ug/L			08/12/24 19:21	1
1,1-Dichloroethene	ND		0.20		ug/L			08/12/24 19:21	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/12/24 19:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/12/24 19:21	1
1,2-Dibromoethane	ND		0.15		ug/L			08/12/24 19:21	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/12/24 19:21	1
1,2-Dichloroethane	ND		0.25		ug/L			08/12/24 19:21	1
1,2-Dichloropropane	ND		0.20		ug/L			08/12/24 19:21	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/12/24 19:21	1
2-Butanone	ND		10		ug/L			08/12/24 19:21	1
2-Hexanone	ND		3.0		ug/L			08/12/24 19:21	1
4-Methyl-2-pentanone	ND		10		ug/L			08/12/24 19:21	1
Acetone	ND		10		ug/L			08/12/24 19:21	1
Acrylonitrile	ND		10		ug/L			08/12/24 19:21	1
Benzene	ND		0.20		ug/L			08/12/24 19:21	1
Bromochloromethane	ND		0.20		ug/L			08/12/24 19:21	1
Bromodichloromethane	ND		0.20		ug/L			08/12/24 19:21	1
Bromoform	ND		0.50		ug/L			08/12/24 19:21	1
Bromomethane	ND		0.50		ug/L			08/12/24 19:21	1
Carbon disulfide	ND		0.40		ug/L			08/12/24 19:21	1
Carbon tetrachloride	ND		0.20		ug/L			08/12/24 19:21	1
Chlorobenzene	ND		0.20		ug/L			08/12/24 19:21	1
Chloroethane	ND		0.50		ug/L			08/12/24 19:21	1
Chloroform	ND		0.20		ug/L			08/12/24 19:21	1
Chloromethane	ND		0.50		ug/L			08/12/24 19:21	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 19:21	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 19:21	1
Dibromochloromethane	ND		0.20		ug/L			08/12/24 19:21	1
Dibromomethane	ND		0.20		ug/L			08/12/24 19:21	1
Ethylbenzene	ND		0.20		ug/L			08/12/24 19:21	1
m,p-Xylene	ND		0.50		ug/L			08/12/24 19:21	1
Methyl iodide	ND		1.0		ug/L			08/12/24 19:21	1
Methylene Chloride	ND	*+	5.0		ug/L			08/12/24 19:21	1
o-Xylene	ND		0.50		ug/L			08/12/24 19:21	1
Styrene	ND		1.0		ug/L			08/12/24 19:21	1
Tetrachloroethene	**0.96**		0.50		ug/L			08/12/24 19:21	1

Client Sample ID: 0824-10
Date Collected: 08/06/24 10:32
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.49**		0.20		ug/L			08/12/24 19:21	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 19:21	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 19:21	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/12/24 19:21	1
Trichloroethene	ND		0.20		ug/L			08/12/24 19:21	1
Trichlorofluoromethane	**73**		0.50		ug/L			08/12/24 19:21	1
Vinyl acetate	ND		2.0		ug/L			08/12/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*08/12/24 19:21*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*08/12/24 19:21*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*08/12/24 19:21*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 19:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**260**		0.50		mg/L		08/12/24 19:27	08/13/24 18:40	1
Iron	ND		0.30		mg/L		08/12/24 19:27	08/13/24 18:40	1
Magnesium	**110**		0.50		mg/L		08/12/24 19:27	08/13/24 18:40	1
Manganese	**0.72**		0.020		mg/L		08/12/24 19:27	08/13/24 18:40	1
Potassium	**9.5**		3.3		mg/L		08/12/24 19:27	08/13/24 18:40	1
Sodium	**42**		0.50		mg/L		08/12/24 19:27	08/13/24 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:18	1
Arsenic	**0.0020**		0.0010		mg/L		08/12/24 19:27	08/13/24 13:18	1
Barium	**0.063**		0.0012		mg/L		08/12/24 19:27	08/13/24 13:18	1
Beryllium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:18	1
Cadmium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:18	1
Chromium	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:18	1
Cobalt	**0.0027**		0.00040		mg/L		08/12/24 19:27	08/13/24 13:18	1
Copper	**0.0023**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:18	1
Iron	**0.39**		0.10		mg/L		08/12/24 19:27	08/13/24 13:18	1
Lead	**0.0034**		0.00040		mg/L		08/12/24 19:27	08/13/24 13:18	1
Manganese	**0.60**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:18	1
Nickel	**0.022**		0.0030		mg/L		08/12/24 19:27	08/13/24 13:18	1
Selenium	ND		0.0080		mg/L		08/12/24 19:27	08/13/24 13:18	1
Silver	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:18	1
Thallium	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 13:18	1
Vanadium	**0.0077**		0.0040		mg/L		08/12/24 19:27	08/13/24 13:18	1
Zinc	**0.010**		0.0070		mg/L		08/12/24 19:27	08/13/24 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 19:30	1
Chloride (EPA 300.0)	**39**		1.5		mg/L			08/09/24 19:30	1
Sulfate (EPA 300.0)	**280**		15		mg/L			08/09/24 20:30	10
Ammonia as N (EPA 350.1)	**0.11**		0.075		mg/L		08/20/24 10:03	08/20/24 13:37	1
Nitrate Nitrite as N (EPA 353.2)	**2.0**		0.15		mg/L			08/21/24 21:19	1

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-10
Lab Sample ID: 580-142794-10
Date Collected: 08/06/24 10:32
Matrix: Water
Date Received: 08/08/24 11:42

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	**54**		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	**18**		1.5		mg/L			08/14/24 20:16	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**780**		7.0		mg/L			08/16/24 13:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**780**		7.0		mg/L			08/16/24 13:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:42	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:42	1
Total Dissolved Solids (SM 2540C)	**1200**		20		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-11

Date Collected: 08/07/24 15:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-11

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		ug/L			08/12/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/12/24 17:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 120*		*08/12/24 17:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 125*		*08/12/24 17:05*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 17:05*	*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		ug/L			08/17/24 08:02	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 08:02	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 08:02	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 08:02	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 08:02	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 08:02	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 08:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 08:02	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 08:02	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 08:02	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 08:02	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 08:02	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 08:02	1
2-Butanone	ND		10		ug/L			08/17/24 08:02	1
2-Hexanone	ND		3.0		ug/L			08/17/24 08:02	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 08:02	1
Acetone	ND		10		ug/L			08/17/24 08:02	1
Acrylonitrile	ND		10		ug/L			08/17/24 08:02	1
Benzene	ND		0.20		ug/L			08/17/24 08:02	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 08:02	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 08:02	1
Bromoform	ND		0.50		ug/L			08/17/24 08:02	1
Bromomethane	ND		0.50		ug/L			08/17/24 08:02	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 08:02	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 08:02	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 08:02	1
Chloroethane	ND		0.50		ug/L			08/17/24 08:02	1
Chloroform	**0.22**		0.20		ug/L			08/17/24 08:02	1
Chloromethane	ND		0.50		ug/L			08/17/24 08:02	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 08:02	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 08:02	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 08:02	1
Dibromomethane	ND		0.20		ug/L			08/17/24 08:02	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 08:02	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 08:02	1
Methyl iodide	ND		1.0		ug/L			08/17/24 08:02	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 08:02	1
o-Xylene	ND		0.50		ug/L			08/17/24 08:02	1
Styrene	ND		1.0		ug/L			08/17/24 08:02	1
Tetrachloroethene	**1.0**		0.50		ug/L			08/17/24 08:02	1

Client Sample ID: 0824-11
Date Collected: 08/07/24 15:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-11
Matrix: Water

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		ug/L			08/17/24 08:02	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 08:02	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 08:02	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 08:02	1
Trichloroethene	ND		0.20		ug/L			08/17/24 08:02	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 08:02	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/17/24 08:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/17/24 08:02*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/17/24 08:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/17/24 08:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**83**		0.50		mg/L		08/12/24 19:27	08/13/24 18:44	1
Iron	ND		0.30		mg/L		08/12/24 19:27	08/13/24 18:44	1
Magnesium	**51**		0.50		mg/L		08/12/24 19:27	08/13/24 18:44	1
Manganese	ND		0.020		mg/L		08/12/24 19:27	08/13/24 18:44	1
Potassium	**5.5**		3.3		mg/L		08/12/24 19:27	08/13/24 18:44	1
Sodium	**31**		0.50		mg/L		08/12/24 19:27	08/13/24 18:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:24	1
Arsenic	**0.0037**		0.0010		mg/L		08/12/24 19:27	08/13/24 13:24	1
Barium	**0.024**		0.0012		mg/L		08/12/24 19:27	08/13/24 13:24	1
Beryllium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:24	1
Cadmium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:24	1
Chromium	**0.0035**		0.00080		mg/L		08/12/24 19:27	08/13/24 13:24	1
Cobalt	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:24	1
Copper	ND		0.0020		mg/L		08/12/24 19:27	08/13/24 13:24	1
Iron	**0.31**		0.10		mg/L		08/12/24 19:27	08/13/24 13:24	1
Lead	**0.014**		0.00040		mg/L		08/12/24 19:27	08/13/24 13:24	1
Manganese	**0.0078**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:24	1
Nickel	ND		0.0030		mg/L		08/12/24 19:27	08/13/24 13:24	1
Selenium	ND		0.0080		mg/L		08/12/24 19:27	08/13/24 13:24	1
Silver	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:24	1
Thallium	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 13:24	1
Vanadium	**0.0060**		0.0040		mg/L		08/12/24 19:27	08/13/24 13:24	1
Zinc	**0.010**		0.0070		mg/L		08/12/24 19:27	08/13/24 13:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 11:22	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			08/09/24 11:22	1
Chloride (EPA 300.0)	**63**		1.5		mg/L			08/09/24 11:22	1
Sulfate (EPA 300.0)	**61**		1.5		mg/L			08/09/24 11:22	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:39	1

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-11
Lab Sample ID: 580-142794-11
Date Collected: 08/07/24 15:45
Matrix: Water
Date Received: 08/08/24 11:42

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	**11**		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	**2.2**		1.5		mg/L			08/14/24 20:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**340**		7.0		mg/L			08/16/24 13:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**340**		7.0		mg/L			08/16/24 13:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:42	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:42	1
Total Dissolved Solids (SM 2540C)	**470**		10		mg/L			08/09/24 15:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Client Sample ID: 0824-12

Date Collected: 08/07/24 16:00
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-12

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		ug/L			08/12/24 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 120*		*08/12/24 17:28*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*08/12/24 17:28*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 17:28*	*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		ug/L			08/17/24 08:25	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 08:25	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 08:25	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 08:25	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 08:25	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 08:25	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 08:25	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 08:25	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 08:25	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 08:25	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 08:25	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 08:25	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 08:25	1
2-Butanone	ND		10		ug/L			08/17/24 08:25	1
2-Hexanone	ND		3.0		ug/L			08/17/24 08:25	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 08:25	1
Acetone	ND		10		ug/L			08/17/24 08:25	1
Acrylonitrile	ND		10		ug/L			08/17/24 08:25	1
Benzene	ND		0.20		ug/L			08/17/24 08:25	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 08:25	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 08:25	1
Bromoform	ND		0.50		ug/L			08/17/24 08:25	1
Bromomethane	ND		0.50		ug/L			08/17/24 08:25	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 08:25	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 08:25	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 08:25	1
Chloroethane	ND		0.50		ug/L			08/17/24 08:25	1
Chloroform	ND		0.20		ug/L			08/17/24 08:25	1
Chloromethane	ND		0.50		ug/L			08/17/24 08:25	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 08:25	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 08:25	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 08:25	1
Dibromomethane	ND		0.20		ug/L			08/17/24 08:25	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 08:25	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 08:25	1
Methyl iodide	ND		1.0		ug/L			08/17/24 08:25	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 08:25	1
o-Xylene	ND		0.50		ug/L			08/17/24 08:25	1
Styrene	ND		1.0		ug/L			08/17/24 08:25	1
Tetrachloroethene	ND		0.50		ug/L			08/17/24 08:25	1

Client Sample ID: 0824-12
Date Collected: 08/07/24 16:00
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-12
Matrix: Water

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		ug/L			08/17/24 08:25	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 08:25	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 08:25	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 08:25	1
Trichloroethene	ND		0.20		ug/L			08/17/24 08:25	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 08:25	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/17/24 08:25*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/17/24 08:25*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*08/17/24 08:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 08:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**75**		0.50		mg/L		08/12/24 19:34	08/14/24 16:38	1
Iron	ND		0.30		mg/L		08/12/24 19:34	08/14/24 16:38	1
Magnesium	**45**		0.50		mg/L		08/12/24 19:34	08/14/24 16:38	1
Manganese	ND		0.020		mg/L		08/12/24 19:34	08/14/24 16:38	1
Potassium	**4.9**		3.3		mg/L		08/12/24 19:34	08/14/24 16:38	1
Sodium	**30**		0.50		mg/L		08/12/24 19:34	08/14/24 16:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 13:21	1
Arsenic	**0.0032**		0.0010		mg/L		08/12/24 19:27	08/13/24 13:21	1
Barium	**0.025**		0.0012		mg/L		08/12/24 19:27	08/13/24 13:21	1
Beryllium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:21	1
Cadmium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:21	1
Chromium	**0.0018**		0.00080		mg/L		08/12/24 19:27	08/13/24 13:21	1
Cobalt	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:21	1
Copper	**0.049**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:21	1
Iron	**0.12**		0.10		mg/L		08/12/24 19:27	08/13/24 13:21	1
Lead	**0.0030**		0.00040		mg/L		08/12/24 19:27	08/13/24 13:21	1
Manganese	**0.0041**		0.0020		mg/L		08/12/24 19:27	08/13/24 13:21	1
Nickel	ND		0.0030		mg/L		08/12/24 19:27	08/13/24 13:21	1
Selenium	ND		0.0080		mg/L		08/12/24 19:27	08/13/24 13:21	1
Silver	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 13:21	1
Thallium	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 13:21	1
Vanadium	ND		0.0040		mg/L		08/12/24 19:27	08/13/24 13:21	1
Zinc	**0.036**		0.0070		mg/L		08/12/24 19:27	08/13/24 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			08/09/24 11:34	1
Nitrate Nitrite as N (EPA 300.0)	ND		0.40		mg/L			08/09/24 11:34	1
Chloride (EPA 300.0)	**56**		1.5		mg/L			08/09/24 11:34	1
Sulfate (EPA 300.0)	**48**		1.5		mg/L			08/09/24 11:34	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		08/20/24 10:03	08/20/24 13:41	1

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-12
Lab Sample ID: 580-142794-12
Date Collected: 08/07/24 16:00
Matrix: Water
Date Received: 08/08/24 11:42

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1
Total Organic Carbon (SM 5310C)	**1.7**		1.5		mg/L			08/14/24 21:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**350**		7.0		mg/L			08/16/24 13:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		7.0		mg/L			08/16/24 13:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			08/16/24 13:42	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			08/16/24 13:42	1
Total Dissolved Solids (SM 2540C)	**480**		10		mg/L			08/09/24 15:35	1

Client Sample ID: Trip Blanks
Lab Sample ID: 580-142794-13

Date Collected: 08/07/24 00:00
Matrix: Water
Date Received: 08/08/24 11:42

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		ug/L			08/12/24 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/12/24 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 120*		*08/12/24 16:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 125*		*08/12/24 16:18*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/12/24 16:18*	*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		ug/L			08/17/24 03:46	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 03:46	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 03:46	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 03:46	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 03:46	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 03:46	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 03:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 03:46	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 03:46	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 03:46	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 03:46	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 03:46	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 03:46	1
2-Butanone	ND		10		ug/L			08/17/24 03:46	1
2-Hexanone	ND		3.0		ug/L			08/17/24 03:46	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 03:46	1
Acetone	ND		10		ug/L			08/17/24 03:46	1
Acrylonitrile	ND		10		ug/L			08/17/24 03:46	1
Benzene	ND		0.20		ug/L			08/17/24 03:46	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 03:46	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 03:46	1
Bromoform	ND		0.50		ug/L			08/17/24 03:46	1
Bromomethane	ND		0.50		ug/L			08/17/24 03:46	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 03:46	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 03:46	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 03:46	1
Chloroethane	ND		0.50		ug/L			08/17/24 03:46	1
Chloroform	ND		0.20		ug/L			08/17/24 03:46	1
Chloromethane	ND		0.50		ug/L			08/17/24 03:46	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 03:46	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 03:46	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 03:46	1
Dibromomethane	ND		0.20		ug/L			08/17/24 03:46	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 03:46	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 03:46	1
Methyl iodide	ND		1.0		ug/L			08/17/24 03:46	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 03:46	1
o-Xylene	ND		0.50		ug/L			08/17/24 03:46	1
Styrene	ND		1.0		ug/L			08/17/24 03:46	1
Tetrachloroethene	**1.1**		0.50		ug/L			08/17/24 03:46	1

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: Trip Blanks
Lab Sample ID: 580-142794-13
Date Collected: 08/07/24 00:00
Matrix: Water
Date Received: 08/08/24 11:42

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		ug/L			08/17/24 03:46	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 03:46	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 03:46	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 03:46	1
Trichloroethene	ND		0.20		ug/L			08/17/24 03:46	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 03:46	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/17/24 03:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/17/24 03:46*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/17/24 03:46*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 03:46*	*1*

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

Lab Sample ID: MB 580-467923/11
Matrix: Water
Analysis Batch: 467923

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		ug/L			08/12/24 15:17	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/12/24 15:17	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/12/24 15:17	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/12/24 15:17	1
1,1-Dichloroethane	ND		0.20		ug/L			08/12/24 15:17	1
1,1-Dichloroethene	ND		0.20		ug/L			08/12/24 15:17	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/12/24 15:17	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/12/24 15:17	1
1,2-Dibromoethane	ND		0.15		ug/L			08/12/24 15:17	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/12/24 15:17	1
1,2-Dichloroethane	ND		0.25		ug/L			08/12/24 15:17	1
1,2-Dichloropropane	ND		0.20		ug/L			08/12/24 15:17	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/12/24 15:17	1
2-Butanone	ND		10		ug/L			08/12/24 15:17	1
2-Hexanone	ND		3.0		ug/L			08/12/24 15:17	1
4-Methyl-2-pentanone	ND		10		ug/L			08/12/24 15:17	1
Acetone	ND		10		ug/L			08/12/24 15:17	1
Acrylonitrile	ND		10		ug/L			08/12/24 15:17	1
Benzene	ND		0.20		ug/L			08/12/24 15:17	1
Bromochloromethane	ND		0.20		ug/L			08/12/24 15:17	1
Bromodichloromethane	ND		0.20		ug/L			08/12/24 15:17	1
Bromoform	ND		0.50		ug/L			08/12/24 15:17	1
Bromomethane	ND		0.50		ug/L			08/12/24 15:17	1
Carbon disulfide	ND		0.40		ug/L			08/12/24 15:17	1
Carbon tetrachloride	ND		0.20		ug/L			08/12/24 15:17	1
Chlorobenzene	ND		0.20		ug/L			08/12/24 15:17	1
Chloroethane	ND		0.50		ug/L			08/12/24 15:17	1
Chloroform	ND		0.20		ug/L			08/12/24 15:17	1
Chloromethane	ND		0.50		ug/L			08/12/24 15:17	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 15:17	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 15:17	1
Dibromochloromethane	ND		0.20		ug/L			08/12/24 15:17	1
Dibromomethane	ND		0.20		ug/L			08/12/24 15:17	1
Ethylbenzene	ND		0.20		ug/L			08/12/24 15:17	1
m,p-Xylene	ND		0.50		ug/L			08/12/24 15:17	1
Methyl iodide	ND		1.0		ug/L			08/12/24 15:17	1
Methylene Chloride	11.4		5.0		ug/L			08/12/24 15:17	1
o-Xylene	ND		0.50		ug/L			08/12/24 15:17	1
Styrene	ND		1.0		ug/L			08/12/24 15:17	1
Tetrachloroethene	ND		0.50		ug/L			08/12/24 15:17	1
Toluene	ND		0.20		ug/L			08/12/24 15:17	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/12/24 15:17	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/12/24 15:17	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/12/24 15:17	1
Trichloroethene	ND		0.20		ug/L			08/12/24 15:17	1
Trichlorofluoromethane	ND		0.50		ug/L			08/12/24 15:17	1
Vinyl acetate	ND		2.0		ug/L			08/12/24 15:17	1

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

Lab Sample ID: MB 580-467923/11
Matrix: Water
Analysis Batch: 467923

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		08/12/24 15:17	1
4-Bromofluorobenzene (Surr)	102		80 - 120		08/12/24 15:17	1
Dibromofluoromethane (Surr)	113		80 - 120		08/12/24 15:17	1
Toluene-d8 (Surr)	95		80 - 120		08/12/24 15:17	1

Lab Sample ID: LCS 580-467923/6
Matrix: Water
Analysis Batch: 467923

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	4.29		ug/L		86	69 - 127
1,1,1-Trichloroethane	5.00	5.02		ug/L		100	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.54		ug/L		91	67 - 136
1,1,2-Trichloroethane	5.00	4.08		ug/L		82	73 - 127
1,1-Dichloroethane	5.00	4.68		ug/L		94	74 - 120
1,1-Dichloroethene	5.00	4.62		ug/L		92	60 - 129
1,2,3-Trichloropropane	5.00	4.68		ug/L		94	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.60		ug/L		92	55 - 135
1,2-Dibromoethane	5.00	4.88		ug/L		98	61 - 143
1,2-Dichlorobenzene	5.00	4.40		ug/L		88	72 - 129
1,2-Dichloroethane	5.00	4.71		ug/L		94	74 - 127
1,2-Dichloropropane	5.00	4.42		ug/L		88	69 - 130
1,4-Dichlorobenzene	5.00	4.28		ug/L		86	71 - 129
2-Butanone	25.0	23.3		ug/L		93	37 - 150
2-Hexanone	25.0	25.7		ug/L		103	56 - 150
4-Methyl-2-pentanone	25.0	23.5		ug/L		94	63 - 137
Acetone	25.0	25.6		ug/L		103	49 - 150
Acrylonitrile	50.0	47.0		ug/L		94	50 - 145
Benzene	5.00	4.56		ug/L		91	80 - 120
Bromochloromethane	5.00	4.57		ug/L		91	79 - 121
Bromodichloromethane	5.00	5.09		ug/L		102	74 - 131
Bromoform	5.00	4.95		ug/L		99	48 - 127
Bromomethane	5.00	5.00		ug/L		100	51 - 148
Carbon disulfide	5.00	4.81		ug/L		96	54 - 142
Carbon tetrachloride	5.00	5.04		ug/L		101	66 - 130
Chlorobenzene	5.00	4.42		ug/L		88	74 - 123
Chloroethane	5.00	4.17		ug/L		83	54 - 140
Chloroform	5.00	4.79		ug/L		96	75 - 120
Chloromethane	5.00	4.08		ug/L		82	32 - 150
cis-1,2-Dichloroethene	5.00	4.55		ug/L		91	72 - 120
cis-1,3-Dichloropropene	5.00	4.40		ug/L		88	77 - 131
Dibromochloromethane	5.00	4.16		ug/L		83	62 - 141
Dibromomethane	5.00	4.94		ug/L		99	65 - 141
Ethylbenzene	5.00	4.72		ug/L		94	80 - 124
m,p-Xylene	5.00	4.92		ug/L		98	75 - 124
Methyl iodide	5.00	4.55		ug/L		91	60 - 128
Methylene Chloride	5.00	11.3	*+	ug/L		227	40 - 142
o-Xylene	5.00	4.76		ug/L		95	71 - 124

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

Lab Sample ID: LCS 580-467923/6
Matrix: Water
Analysis Batch: 467923

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	4.72		ug/L		94	74 - 127
Tetrachloroethene	5.00	4.66		ug/L		93	75 - 124
Toluene	5.00	4.70		ug/L		94	80 - 126
trans-1,2-Dichloroethene	5.00	4.65		ug/L		93	69 - 121
trans-1,3-Dichloropropene	5.00	4.74		ug/L		95	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.39		ug/L		88	20 - 150
Trichloroethene	5.00	4.54		ug/L		91	72 - 120
Trichlorofluoromethane	5.00	4.74		ug/L		95	60 - 132
Vinyl acetate	12.5	10.5		ug/L		84	38 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 580-467923/7
Matrix: Water
Analysis Batch: 467923

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	4.24		ug/L		85	69 - 127	1	22
1,1,1-Trichloroethane	5.00	5.17		ug/L		103	70 - 121	3	24
1,1,2,2-Tetrachloroethane	5.00	4.98		ug/L		100	67 - 136	9	24
1,1,2-Trichloroethane	5.00	3.84		ug/L		77	73 - 127	6	22
1,1-Dichloroethane	5.00	4.99		ug/L		100	74 - 120	6	26
1,1-Dichloroethene	5.00	4.85		ug/L		97	60 - 129	5	29
1,2,3-Trichloropropane	5.00	4.63		ug/L		93	67 - 135	1	25
1,2-Dibromo-3-Chloropropane	5.00	4.94		ug/L		99	55 - 135	7	29
1,2-Dibromoethane	5.00	4.84		ug/L		97	61 - 143	1	22
1,2-Dichlorobenzene	5.00	4.71		ug/L		94	72 - 129	7	22
1,2-Dichloroethane	5.00	4.93		ug/L		99	74 - 127	5	21
1,2-Dichloropropane	5.00	4.44		ug/L		89	69 - 130	0	22
1,4-Dichlorobenzene	5.00	4.57		ug/L		91	71 - 129	7	22
2-Butanone	25.0	23.6		ug/L		95	37 - 150	2	35
2-Hexanone	25.0	25.2		ug/L		101	56 - 150	2	29
4-Methyl-2-pentanone	25.0	23.0		ug/L		92	63 - 137	2	26
Acetone	25.0	24.8		ug/L		99	49 - 150	3	24
Acrylonitrile	50.0	48.1		ug/L		96	50 - 145	2	33
Benzene	5.00	4.62		ug/L		92	80 - 120	1	22
Bromochloromethane	5.00	4.79		ug/L		96	79 - 121	5	20
Bromodichloromethane	5.00	5.01		ug/L		100	74 - 131	2	21
Bromoform	5.00	4.90		ug/L		98	48 - 127	1	23
Bromomethane	5.00	5.28		ug/L		106	51 - 148	5	35
Carbon disulfide	5.00	5.22		ug/L		104	54 - 142	8	34
Carbon tetrachloride	5.00	5.14		ug/L		103	66 - 130	2	24
Chlorobenzene	5.00	4.52		ug/L		90	74 - 123	2	21
Chloroethane	5.00	4.37		ug/L		87	54 - 140	5	33

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

Lab Sample ID: LCSD 580-467923/7
Matrix: Water
Analysis Batch: 467923

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	5.06		ug/L		101	75 - 120	6	21
Chloromethane			5.00	4.49		ug/L		90	32 - 150	9	33
cis-1,2-Dichloroethene			5.00	4.81		ug/L		96	72 - 120	6	22
cis-1,3-Dichloropropene			5.00	4.32		ug/L		86	77 - 131	2	24
Dibromochloromethane			5.00	4.22		ug/L		84	62 - 141	2	22
Dibromomethane			5.00	4.88		ug/L		98	65 - 141	1	22
Ethylbenzene			5.00	4.85		ug/L		97	80 - 124	3	22
m,p-Xylene			5.00	5.07		ug/L		101	75 - 124	3	22
Methyl iodide			5.00	5.17		ug/L		103	60 - 128	13	39
Methylene Chloride			5.00	10.8	*+	ug/L		216	40 - 142	5	25
o-Xylene			5.00	5.01		ug/L		100	71 - 124	5	23
Styrene			5.00	4.91		ug/L		98	74 - 127	4	22
Tetrachloroethene			5.00	4.74		ug/L		95	75 - 124	2	20
Toluene			5.00	4.83		ug/L		97	80 - 126	3	20
trans-1,2-Dichloroethene			5.00	4.90		ug/L		98	69 - 121	5	27
trans-1,3-Dichloropropene			5.00	4.58		ug/L		92	71 - 138	3	26
trans-1,4-Dichloro-2-butene			5.00	4.40		ug/L		88	20 - 150	0	35
Trichloroethene			5.00	4.69		ug/L		94	72 - 120	3	22
Trichlorofluoromethane			5.00	5.10		ug/L		102	60 - 132	7	32
Vinyl acetate			12.5	10.6		ug/L		85	38 - 150	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 580-468572/11
Matrix: Water
Analysis Batch: 468572

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		ug/L			08/17/24 03:23	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/17/24 03:23	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/17/24 03:23	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/17/24 03:23	1
1,1-Dichloroethane	ND		0.20		ug/L			08/17/24 03:23	1
1,1-Dichloroethene	ND		0.20		ug/L			08/17/24 03:23	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/17/24 03:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/17/24 03:23	1
1,2-Dibromoethane	ND		0.15		ug/L			08/17/24 03:23	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/17/24 03:23	1
1,2-Dichloroethane	ND		0.25		ug/L			08/17/24 03:23	1
1,2-Dichloropropane	ND		0.20		ug/L			08/17/24 03:23	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/17/24 03:23	1
2-Butanone	ND		10		ug/L			08/17/24 03:23	1
2-Hexanone	ND		3.0		ug/L			08/17/24 03:23	1
4-Methyl-2-pentanone	ND		10		ug/L			08/17/24 03:23	1

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

Lab Sample ID: MB 580-468572/11
Matrix: Water
Analysis Batch: 468572

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		ug/L			08/17/24 03:23	1
Acrylonitrile	ND		10		ug/L			08/17/24 03:23	1
Benzene	ND		0.20		ug/L			08/17/24 03:23	1
Bromochloromethane	ND		0.20		ug/L			08/17/24 03:23	1
Bromodichloromethane	ND		0.20		ug/L			08/17/24 03:23	1
Bromoform	ND		0.50		ug/L			08/17/24 03:23	1
Bromomethane	ND		0.50		ug/L			08/17/24 03:23	1
Carbon disulfide	ND		0.40		ug/L			08/17/24 03:23	1
Carbon tetrachloride	ND		0.20		ug/L			08/17/24 03:23	1
Chlorobenzene	ND		0.20		ug/L			08/17/24 03:23	1
Chloroethane	ND		0.50		ug/L			08/17/24 03:23	1
Chloroform	ND		0.20		ug/L			08/17/24 03:23	1
Chloromethane	ND		0.50		ug/L			08/17/24 03:23	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 03:23	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 03:23	1
Dibromochloromethane	ND		0.20		ug/L			08/17/24 03:23	1
Dibromomethane	ND		0.20		ug/L			08/17/24 03:23	1
Ethylbenzene	ND		0.20		ug/L			08/17/24 03:23	1
m,p-Xylene	ND		0.50		ug/L			08/17/24 03:23	1
Methyl iodide	ND		1.0		ug/L			08/17/24 03:23	1
Methylene Chloride	ND		5.0		ug/L			08/17/24 03:23	1
o-Xylene	ND		0.50		ug/L			08/17/24 03:23	1
Styrene	ND		1.0		ug/L			08/17/24 03:23	1
Tetrachloroethene	ND		0.50		ug/L			08/17/24 03:23	1
Toluene	ND		0.20		ug/L			08/17/24 03:23	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/17/24 03:23	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/17/24 03:23	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/17/24 03:23	1
Trichloroethene	ND		0.20		ug/L			08/17/24 03:23	1
Trichlorofluoromethane	ND		0.50		ug/L			08/17/24 03:23	1
Vinyl acetate	ND		2.0		ug/L			08/17/24 03:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/17/24 03:23*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/17/24 03:23*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/17/24 03:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/17/24 03:23*	*1*

Lab Sample ID: LCS 580-468572/6
Matrix: Water
Analysis Batch: 468572

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	5.18		ug/L		104	69 - 127
1,1,1-Trichloroethane	5.00	5.01		ug/L		100	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.27		ug/L		105	67 - 136
1,1,2-Trichloroethane	5.00	4.97		ug/L		99	73 - 127
1,1-Dichloroethane	5.00	5.00		ug/L		100	74 - 120

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

Lab Sample ID: LCS 580-468572/6
Matrix: Water
Analysis Batch: 468572

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	4.73		ug/L		95	60 - 129
1,2,3-Trichloropropane	5.00	5.16		ug/L		103	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.50		ug/L		90	55 - 135
1,2-Dibromoethane	5.00	5.26		ug/L		105	61 - 143
1,2-Dichlorobenzene	5.00	5.08		ug/L		102	72 - 129
1,2-Dichloroethane	5.00	5.17		ug/L		103	74 - 127
1,2-Dichloropropane	5.00	5.04		ug/L		101	69 - 130
1,4-Dichlorobenzene	5.00	5.09		ug/L		102	71 - 129
2-Butanone	25.0	26.5		ug/L		106	37 - 150
2-Hexanone	25.0	26.5		ug/L		106	56 - 150
4-Methyl-2-pentanone	25.0	26.0		ug/L		104	63 - 137
Acetone	25.0	22.1		ug/L		88	49 - 150
Acrylonitrile	50.0	52.2		ug/L		104	50 - 145
Benzene	5.00	4.82		ug/L		96	80 - 120
Bromochloromethane	5.00	5.01		ug/L		100	79 - 121
Bromodichloromethane	5.00	5.17		ug/L		103	74 - 131
Bromoform	5.00	4.75		ug/L		95	48 - 127
Bromomethane	5.00	4.34		ug/L		87	51 - 148
Carbon disulfide	5.00	4.80		ug/L		96	54 - 142
Carbon tetrachloride	5.00	4.88		ug/L		98	66 - 130
Chlorobenzene	5.00	4.96		ug/L		99	74 - 123
Chloroethane	5.00	4.44		ug/L		89	54 - 140
Chloroform	5.00	5.19		ug/L		104	75 - 120
Chloromethane	5.00	3.98		ug/L		80	32 - 150
cis-1,2-Dichloroethene	5.00	5.16		ug/L		103	72 - 120
cis-1,3-Dichloropropene	5.00	4.81		ug/L		96	77 - 131
Dibromochloromethane	5.00	4.97		ug/L		99	62 - 141
Dibromomethane	5.00	5.25		ug/L		105	65 - 141
Ethylbenzene	5.00	5.29		ug/L		106	80 - 124
m,p-Xylene	5.00	5.34		ug/L		107	75 - 124
Methyl iodide	5.00	3.38		ug/L		68	60 - 128
Methylene Chloride	5.00	2.80	J	ug/L		56	40 - 142
o-Xylene	5.00	5.37		ug/L		107	71 - 124
Styrene	5.00	5.04		ug/L		101	74 - 127
Tetrachloroethene	5.00	4.50		ug/L		90	75 - 124
Toluene	5.00	4.82		ug/L		96	80 - 126
trans-1,2-Dichloroethene	5.00	4.80		ug/L		96	69 - 121
trans-1,3-Dichloropropene	5.00	5.15		ug/L		103	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.97		ug/L		99	20 - 150
Trichloroethene	5.00	4.98		ug/L		100	72 - 120
Trichlorofluoromethane	5.00	4.76		ug/L		95	60 - 132
Vinyl acetate	12.5	12.8		ug/L		103	38 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: LCSD 580-468572/7
Matrix: Water
Analysis Batch: 468572

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	5.05		ug/L		101	69 - 127	3	22
1,1,1-Trichloroethane			5.00	4.89		ug/L		98	70 - 121	2	24
1,1,2,2-Tetrachloroethane			5.00	5.26		ug/L		105	67 - 136	0	24
1,1,2-Trichloroethane			5.00	5.12		ug/L		102	73 - 127	3	22
1,1-Dichloroethane			5.00	4.83		ug/L		97	74 - 120	4	26
1,1-Dichloroethene			5.00	4.71		ug/L		94	60 - 129	0	29
1,2,3-Trichloropropane			5.00	5.60		ug/L		112	67 - 135	8	25
1,2-Dibromo-3-Chloropropane			5.00	4.60		ug/L		92	55 - 135	2	29
1,2-Dibromoethane			5.00	5.45		ug/L		109	61 - 143	4	22
1,2-Dichlorobenzene			5.00	5.07		ug/L		101	72 - 129	0	22
1,2-Dichloroethane			5.00	5.08		ug/L		102	74 - 127	2	21
1,2-Dichloropropane			5.00	5.01		ug/L		100	69 - 130	1	22
1,4-Dichlorobenzene			5.00	4.90		ug/L		98	71 - 129	4	22
2-Butanone			25.0	28.1		ug/L		112	37 - 150	6	35
2-Hexanone			25.0	28.3		ug/L		113	56 - 150	7	29
4-Methyl-2-pentanone			25.0	26.4		ug/L		106	63 - 137	1	26
Acetone			25.0	25.3		ug/L		101	49 - 150	14	24
Acrylonitrile			50.0	53.7		ug/L		107	50 - 145	3	33
Benzene			5.00	4.72		ug/L		94	80 - 120	2	22
Bromochloromethane			5.00	5.15		ug/L		103	79 - 121	3	20
Bromodichloromethane			5.00	5.07		ug/L		101	74 - 131	2	21
Bromoform			5.00	4.86		ug/L		97	48 - 127	2	23
Bromomethane			5.00	4.24		ug/L		85	51 - 148	2	35
Carbon disulfide			5.00	4.61		ug/L		92	54 - 142	4	34
Carbon tetrachloride			5.00	4.77		ug/L		95	66 - 130	2	24
Chlorobenzene			5.00	4.89		ug/L		98	74 - 123	2	21
Chloroethane			5.00	4.28		ug/L		86	54 - 140	4	33
Chloroform			5.00	5.01		ug/L		100	75 - 120	4	21
Chloromethane			5.00	3.87		ug/L		77	32 - 150	3	33
cis-1,2-Dichloroethene			5.00	5.04		ug/L		101	72 - 120	3	22
cis-1,3-Dichloropropene			5.00	4.74		ug/L		95	77 - 131	1	24
Dibromochloromethane			5.00	5.06		ug/L		101	62 - 141	2	22
Dibromomethane			5.00	5.30		ug/L		106	65 - 141	1	22
Ethylbenzene			5.00	5.08		ug/L		102	80 - 124	4	22
m,p-Xylene			5.00	5.20		ug/L		104	75 - 124	3	22
Methyl iodide			5.00	3.45		ug/L		69	60 - 128	2	39
Methylene Chloride			5.00	2.67	J	ug/L		53	40 - 142	5	25
o-Xylene			5.00	5.26		ug/L		105	71 - 124	2	23
Styrene			5.00	4.92		ug/L		98	74 - 127	2	22
Tetrachloroethene			5.00	4.39		ug/L		88	75 - 124	2	20
Toluene			5.00	4.77		ug/L		95	80 - 126	1	20
trans-1,2-Dichloroethene			5.00	4.65		ug/L		93	69 - 121	3	27
trans-1,3-Dichloropropene			5.00	5.16		ug/L		103	71 - 138	0	26
trans-1,4-Dichloro-2-butene			5.00	4.92		ug/L		98	20 - 150	1	35
Trichloroethene			5.00	4.87		ug/L		97	72 - 120	2	22
Trichlorofluoromethane			5.00	4.66		ug/L		93	60 - 132	2	32
Vinyl acetate			12.5	12.4		ug/L		99	38 - 150	4	35

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

Lab Sample ID: LCSD 580-468572/7
Matrix: Water
Analysis Batch: 468572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 120

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

Lab Sample ID: MB 580-467910/7
Matrix: Water
Analysis Batch: 467910

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		ug/L			08/12/24 15:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		08/12/24 15:32	1
1,2-Dichloroethane-d4 (Surr)	107		68 - 120		08/12/24 15:32	1
4-Bromofluorobenzene (Surr)	98		80 - 125		08/12/24 15:32	1
Dibromofluoromethane (Surr)	112		80 - 120		08/12/24 15:32	1

Lab Sample ID: LCS 580-467910/4
Matrix: Water
Analysis Batch: 467910

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	5.06		ug/L		101	68 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		68 - 120
4-Bromofluorobenzene (Surr)	103		80 - 125
Dibromofluoromethane (Surr)	101		80 - 120

Lab Sample ID: LCSD 580-467910/5
Matrix: Water
Analysis Batch: 467910

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	4.71		ug/L		94	68 - 150	7	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		68 - 120
4-Bromofluorobenzene (Surr)	104		80 - 125
Dibromofluoromethane (Surr)	101		80 - 120

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-467807/26-A
Matrix: Water
Analysis Batch: 468151

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/09/24 17:20	08/13/24 20:29	1
Iron	ND		0.30		mg/L		08/09/24 17:20	08/13/24 20:29	1
Magnesium	ND		0.50		mg/L		08/09/24 17:20	08/13/24 20:29	1
Manganese	ND		0.020		mg/L		08/09/24 17:20	08/13/24 20:29	1
Potassium	ND		3.3		mg/L		08/09/24 17:20	08/13/24 20:29	1
Sodium	ND		0.50		mg/L		08/09/24 17:20	08/13/24 20:29	1

Lab Sample ID: LCS 580-467807/27-A
Matrix: Water
Analysis Batch: 468151

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	19.6		mg/L		98	80 - 120
Iron	20.0	19.6		mg/L		98	80 - 120
Magnesium	20.0	21.2		mg/L		106	80 - 120
Manganese	1.00	1.06		mg/L		106	80 - 120
Potassium	20.0	20.0		mg/L		100	80 - 120
Sodium	20.0	20.6		mg/L		103	80 - 120

Lab Sample ID: LCSD 580-467807/28-A
Matrix: Water
Analysis Batch: 468151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	19.4		mg/L		97	80 - 120	1	20
Iron	20.0	19.5		mg/L		97	80 - 120	1	20
Magnesium	20.0	21.1		mg/L		105	80 - 120	1	20
Manganese	1.00	1.04		mg/L		104	80 - 120	1	20
Potassium	20.0	19.9		mg/L		100	80 - 120	0	20
Sodium	20.0	20.4		mg/L		102	80 - 120	1	20

Lab Sample ID: MB 580-467808/14-A
Matrix: Water
Analysis Batch: 469080

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/09/24 17:31	08/21/24 16:58	1
Iron	ND		0.30		mg/L		08/09/24 17:31	08/21/24 16:58	1
Magnesium	ND		0.50		mg/L		08/09/24 17:31	08/21/24 16:58	1
Manganese	ND		0.020		mg/L		08/09/24 17:31	08/21/24 16:58	1
Potassium	ND		3.3		mg/L		08/09/24 17:31	08/21/24 16:58	1
Sodium	ND		0.50		mg/L		08/09/24 17:31	08/21/24 16:58	1

Lab Sample ID: LCS 580-467808/15-A
Matrix: Water
Analysis Batch: 469080

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	19.5		mg/L		98	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 580-467808/15-A
Matrix: Water
Analysis Batch: 469080

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	20.0	19.8		mg/L		99	80 - 120
Magnesium	20.0	21.3		mg/L		106	80 - 120
Manganese	1.00	1.05		mg/L		105	80 - 120
Potassium	20.0	19.8		mg/L		99	80 - 120
Sodium	20.0	19.8		mg/L		99	80 - 120

Lab Sample ID: LCSD 580-467808/16-A
Matrix: Water
Analysis Batch: 469080

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	19.1		mg/L		96	80 - 120	2	20
Iron	20.0	19.4		mg/L		97	80 - 120	2	20
Magnesium	20.0	20.8		mg/L		104	80 - 120	2	20
Manganese	1.00	1.03		mg/L		103	80 - 120	2	20
Potassium	20.0	19.4		mg/L		97	80 - 120	2	20
Sodium	20.0	19.4		mg/L		97	80 - 120	2	20

Lab Sample ID: MB 580-467989/24-A
Matrix: Water
Analysis Batch: 468151

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/12/24 19:27	08/13/24 17:58	1
Iron	ND		0.30		mg/L		08/12/24 19:27	08/13/24 17:58	1
Magnesium	ND		0.50		mg/L		08/12/24 19:27	08/13/24 17:58	1
Manganese	ND		0.020		mg/L		08/12/24 19:27	08/13/24 17:58	1
Potassium	ND		3.3		mg/L		08/12/24 19:27	08/13/24 17:58	1
Sodium	ND		0.50		mg/L		08/12/24 19:27	08/13/24 17:58	1

Lab Sample ID: LCS 580-467989/25-A
Matrix: Water
Analysis Batch: 468151

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	20.0		mg/L		100	80 - 120
Iron	20.0	20.1		mg/L		100	80 - 120
Magnesium	20.0	21.0		mg/L		105	80 - 120
Manganese	1.00	1.05		mg/L		105	80 - 120
Potassium	20.0	19.8		mg/L		99	80 - 120
Sodium	20.0	20.3		mg/L		101	80 - 120

Lab Sample ID: LCSD 580-467989/26-A
Matrix: Water
Analysis Batch: 468151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	19.2		mg/L		96	80 - 120	4	20
Iron	20.0	19.3		mg/L		97	80 - 120	4	20
Magnesium	20.0	20.3		mg/L		101	80 - 120	3	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-467989/26-A
Matrix: Water
Analysis Batch: 468151

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	1.00	1.02		mg/L		102	80 - 120	4	20
Potassium	20.0	19.3		mg/L		96	80 - 120	3	20
Sodium	20.0	19.6		mg/L		98	80 - 120	3	20

Lab Sample ID: MB 580-467990/14-A
Matrix: Water
Analysis Batch: 468320

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/12/24 19:34	08/14/24 16:28	1
Iron	ND		0.30		mg/L		08/12/24 19:34	08/14/24 16:28	1
Magnesium	ND		0.50		mg/L		08/12/24 19:34	08/14/24 16:28	1
Manganese	ND		0.020		mg/L		08/12/24 19:34	08/14/24 16:28	1
Potassium	ND		3.3		mg/L		08/12/24 19:34	08/14/24 16:28	1
Sodium	ND		0.50		mg/L		08/12/24 19:34	08/14/24 16:28	1

Lab Sample ID: LCS 580-467990/15-A
Matrix: Water
Analysis Batch: 468320

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	18.5		mg/L		93	80 - 120
Iron	20.0	18.6		mg/L		93	80 - 120
Magnesium	20.0	19.3		mg/L		96	80 - 120
Manganese	1.00	0.995		mg/L		100	80 - 120
Potassium	20.0	17.9		mg/L		90	80 - 120
Sodium	20.0	18.6		mg/L		93	80 - 120

Lab Sample ID: LCSD 580-467990/16-A
Matrix: Water
Analysis Batch: 468320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467990

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	18.9		mg/L		94	80 - 120	2	20
Iron	20.0	19.1		mg/L		95	80 - 120	2	20
Magnesium	20.0	19.8		mg/L		99	80 - 120	3	20
Manganese	1.00	1.03		mg/L		103	80 - 120	3	20
Potassium	20.0	18.4		mg/L		92	80 - 120	3	20
Sodium	20.0	19.0		mg/L		95	80 - 120	3	20

Lab Sample ID: MB 580-468129/26-A
Matrix: Water
Analysis Batch: 468320

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 468129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/13/24 18:13	08/14/24 17:55	1
Iron	ND		0.30		mg/L		08/13/24 18:13	08/14/24 17:55	1
Magnesium	ND		0.50		mg/L		08/13/24 18:13	08/14/24 17:55	1
Manganese	ND		0.020		mg/L		08/13/24 18:13	08/14/24 17:55	1
Potassium	ND		3.3		mg/L		08/13/24 18:13	08/14/24 17:55	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-468129/26-A
Matrix: Water
Analysis Batch: 468669

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 468129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/13/24 18:13	08/16/24 12:39	1
Iron	ND		0.30		mg/L		08/13/24 18:13	08/16/24 12:39	1
Magnesium	ND		0.50		mg/L		08/13/24 18:13	08/16/24 12:39	1
Manganese	ND		0.020		mg/L		08/13/24 18:13	08/16/24 12:39	1
Potassium	ND		3.3		mg/L		08/13/24 18:13	08/16/24 12:39	1
Sodium	ND		0.50		mg/L		08/13/24 18:13	08/16/24 12:39	1

Lab Sample ID: LCS 580-468129/27-A
Matrix: Water
Analysis Batch: 468320

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 468129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	18.5		mg/L		92	80 - 120
Iron	20.0	18.6		mg/L		93	80 - 120
Magnesium	20.0	19.4		mg/L		97	80 - 120
Manganese	1.00	1.01		mg/L		101	80 - 120
Potassium	20.0	18.0		mg/L		90	80 - 120

Lab Sample ID: LCS 580-468129/27-A
Matrix: Water
Analysis Batch: 468669

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 468129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20.0	19.6		mg/L		98	80 - 120
Iron	20.0	19.8		mg/L		99	80 - 120
Magnesium	20.0	20.6		mg/L		103	80 - 120
Manganese	1.00	1.03		mg/L		103	80 - 120
Potassium	20.0	19.3		mg/L		97	80 - 120
Sodium	20.0	19.3		mg/L		97	80 - 120

Lab Sample ID: LCSD 580-468129/28-A
Matrix: Water
Analysis Batch: 468320

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 468129

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	18.1		mg/L		90	80 - 120	2	20
Iron	20.0	18.2		mg/L		91	80 - 120	2	20
Magnesium	20.0	19.1		mg/L		96	80 - 120	1	20
Manganese	1.00	0.983		mg/L		98	80 - 120	2	20
Potassium	20.0	17.8		mg/L		89	80 - 120	1	20

Lab Sample ID: LCSD 580-468129/28-A
Matrix: Water
Analysis Batch: 468669

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 468129

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20.0	19.8		mg/L		99	80 - 120	1	20
Iron	20.0	20.0		mg/L		100	80 - 120	1	20
Magnesium	20.0	20.6		mg/L		103	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-468129/28-A
Matrix: Water
Analysis Batch: 468669

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 468129

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese			1.00	1.02		mg/L		102	80 - 120	1	20
Potassium			20.0	19.5		mg/L		97	80 - 120	1	20
Sodium			20.0	19.4		mg/L		97	80 - 120	0	20

Lab Sample ID: 580-142794-2 MS
Matrix: Water
Analysis Batch: 468151

Client Sample ID: 0824-02
Prep Type: Dissolved
Prep Batch: 467807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	29		20.0	47.2		mg/L		92	80 - 120
Iron	ND		20.0	18.3		mg/L		92	80 - 120
Magnesium	34		20.0	52.1		mg/L		89	80 - 120
Manganese	0.030		1.00	0.981		mg/L		95	80 - 120
Potassium	14		20.0	32.3		mg/L		91	80 - 120
Sodium	15		20.0	33.1		mg/L		91	80 - 120

Lab Sample ID: 580-142794-2 MSD
Matrix: Water
Analysis Batch: 468151

Client Sample ID: 0824-02
Prep Type: Dissolved
Prep Batch: 467807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	29		20.0	47.3		mg/L		93	80 - 120	0	20
Iron	ND		20.0	18.6		mg/L		93	80 - 120	1	20
Magnesium	34		20.0	52.8		mg/L		93	80 - 120	1	20
Manganese	0.030		1.00	1.01		mg/L		98	80 - 120	3	20
Potassium	14		20.0	32.8		mg/L		94	80 - 120	1	20
Sodium	15		20.0	33.6		mg/L		94	80 - 120	1	20

Lab Sample ID: 580-142794-F-2-B DU
Matrix: Water
Analysis Batch: 468151

Client Sample ID: 0824-02
Prep Type: Dissolved
Prep Batch: 467807

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	29		28.6		mg/L		0.3	20
Iron	ND		ND		mg/L		NC	20
Magnesium	34		34.0		mg/L		1	20
Manganese	0.030		0.0289		mg/L		4	20
Potassium	14		14.0		mg/L		0.1	20
Sodium	15		14.7		mg/L		0.9	20

Lab Sample ID: 580-142794-G-2-C MS
Matrix: Water
Analysis Batch: 469080

Client Sample ID: 580-142794-G-2-C MS
Prep Type: Dissolved
Prep Batch: 467808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	29		20.0	47.6		mg/L		93	80 - 120
Iron	ND		20.0	18.2		mg/L		91	80 - 120
Magnesium	35		20.0	56.3		mg/L		107	80 - 120
Manganese	0.027		1.00	1.01		mg/L		98	80 - 120
Potassium	15		20.0	35.8		mg/L		104	80 - 120

Method: 6010D - Metals (ICP)

Lab Sample ID: 580-142794-G-2-D MSD
Matrix: Water
Analysis Batch: 469080

Client Sample ID: 580-142794-G-2-D MSD
Prep Type: Dissolved
Prep Batch: 467808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	29		20.0	47.7		mg/L		94	80 - 120	0	20
Iron	ND		20.0	18.2		mg/L		91	80 - 120	0	20
Magnesium	35		20.0	56.5		mg/L		108	80 - 120	0	20
Manganese	0.027		1.00	1.02		mg/L		99	80 - 120	1	20
Potassium	15		20.0	35.9		mg/L		105	80 - 120	0	20

Lab Sample ID: 580-142794-G-2-B DU
Matrix: Water
Analysis Batch: 469080

Client Sample ID: 580-142794-G-2-B DU
Prep Type: Dissolved
Prep Batch: 467808

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Calcium	29			29.5		mg/L				2	20
Iron	ND			ND		mg/L				NC	20
Magnesium	35			35.2		mg/L				1	20
Manganese	0.027			0.0258		mg/L				3	20
Potassium	15			15.1		mg/L				0.5	20

Lab Sample ID: 580-142794-12 MS
Matrix: Water
Analysis Batch: 468320

Client Sample ID: 0824-12
Prep Type: Dissolved
Prep Batch: 467990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	75		20.0	94.5		mg/L		99	80 - 120		
Iron	ND		20.0	18.9		mg/L		95	80 - 120		
Magnesium	45		20.0	64.6		mg/L		99	80 - 120		
Manganese	ND		1.00	0.994		mg/L		99	80 - 120		
Potassium	4.9		20.0	23.3		mg/L		92	80 - 120		
Sodium	30		20.0	49.1		mg/L		96	80 - 120		

Lab Sample ID: 580-142794-12 MSD
Matrix: Water
Analysis Batch: 468320

Client Sample ID: 0824-12
Prep Type: Dissolved
Prep Batch: 467990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	75		20.0	93.5		mg/L		94	80 - 120	1	20
Iron	ND		20.0	18.7		mg/L		94	80 - 120	1	20
Magnesium	45		20.0	64.1		mg/L		96	80 - 120	1	20
Manganese	ND		1.00	1.00		mg/L		100	80 - 120	1	20
Potassium	4.9		20.0	23.4		mg/L		92	80 - 120	0	20
Sodium	30		20.0	48.9		mg/L		95	80 - 120	0	20

Lab Sample ID: 580-142794-12 DU
Matrix: Water
Analysis Batch: 468320

Client Sample ID: 0824-12
Prep Type: Dissolved
Prep Batch: 467990

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Calcium	75			74.3		mg/L				0.4	20
Iron	ND			ND		mg/L				NC	20
Magnesium	45			45.4		mg/L				1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-142794-12 DU
Matrix: Water
Analysis Batch: 468320

Client Sample ID: 0824-12
Prep Type: Dissolved
Prep Batch: 467990

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Manganese	ND		ND		mg/L		NC	20
Potassium	4.9		5.00		mg/L		2	20
Sodium	30		30.3		mg/L		1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-467807/26-A
Matrix: Water
Analysis Batch: 467939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/09/24 17:20	08/12/24 11:14	1
Arsenic	ND		0.0010		mg/L		08/09/24 17:20	08/12/24 11:14	1
Barium	ND		0.0012		mg/L		08/09/24 17:20	08/12/24 11:14	1
Beryllium	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 11:14	1
Cadmium	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 11:14	1
Chromium	ND		0.00080		mg/L		08/09/24 17:20	08/12/24 11:14	1
Cobalt	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 11:14	1
Copper	ND		0.0020		mg/L		08/09/24 17:20	08/12/24 11:14	1
Iron	ND		0.10		mg/L		08/09/24 17:20	08/12/24 11:14	1
Lead	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 11:14	1
Manganese	ND		0.0020		mg/L		08/09/24 17:20	08/12/24 11:14	1
Nickel	ND		0.0030		mg/L		08/09/24 17:20	08/12/24 11:14	1
Selenium	ND		0.0080		mg/L		08/09/24 17:20	08/12/24 11:14	1
Silver	ND		0.00040		mg/L		08/09/24 17:20	08/12/24 11:14	1
Thallium	ND		0.0010		mg/L		08/09/24 17:20	08/12/24 11:14	1
Vanadium	ND		0.0040		mg/L		08/09/24 17:20	08/12/24 11:14	1
Zinc	ND		0.0070		mg/L		08/09/24 17:20	08/12/24 11:14	1

Lab Sample ID: LCS 580-467807/27-A
Matrix: Water
Analysis Batch: 467939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.998		mg/L		100	80 - 120
Arsenic	1.00	0.960		mg/L		96	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	1.00	0.973		mg/L		97	80 - 120
Cadmium	1.00	0.979		mg/L		98	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Cobalt	1.00	0.985		mg/L		98	80 - 120
Copper	1.00	0.953		mg/L		95	80 - 120
Iron	20.0	19.9		mg/L		99	80 - 120
Lead	1.00	0.930		mg/L		93	80 - 120
Manganese	1.00	0.977		mg/L		98	80 - 120
Nickel	1.00	0.957		mg/L		96	80 - 120
Selenium	1.00	0.974		mg/L		97	80 - 120
Silver	1.00	0.997		mg/L		100	80 - 120
Thallium	1.00	0.902		mg/L		90	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-467807/27-A
Matrix: Water
Analysis Batch: 467939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	1.00	0.975		mg/L		97	80 - 120
Zinc	1.00	0.963		mg/L		96	80 - 120

Lab Sample ID: LCSD 580-467807/28-A
Matrix: Water
Analysis Batch: 467939

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.979		mg/L		98	80 - 120	2	20
Arsenic	1.00	0.919		mg/L		92	80 - 120	4	20
Barium	1.00	0.973		mg/L		97	80 - 120	3	20
Beryllium	1.00	0.958		mg/L		96	80 - 120	2	20
Cadmium	1.00	0.971		mg/L		97	80 - 120	1	20
Chromium	1.00	0.985		mg/L		99	80 - 120	2	20
Cobalt	1.00	0.945		mg/L		94	80 - 120	4	20
Copper	1.00	0.937		mg/L		94	80 - 120	2	20
Iron	20.0	19.7		mg/L		99	80 - 120	1	20
Lead	1.00	0.896		mg/L		90	80 - 120	4	20
Manganese	1.00	0.952		mg/L		95	80 - 120	3	20
Nickel	1.00	0.921		mg/L		92	80 - 120	4	20
Selenium	1.00	0.935		mg/L		94	80 - 120	4	20
Silver	1.00	0.994		mg/L		99	80 - 120	0	20
Thallium	1.00	0.874		mg/L		87	80 - 120	3	20
Vanadium	1.00	0.967		mg/L		97	80 - 120	1	20
Zinc	1.00	0.929		mg/L		93	80 - 120	4	20

Lab Sample ID: 580-142794-5 MS
Matrix: Water
Analysis Batch: 468016

Client Sample ID: 0824-05
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	1.01		mg/L		101	80 - 120
Arsenic	0.0050		1.00	0.919		mg/L		91	80 - 120
Barium	0.061		1.00	1.08		mg/L		102	80 - 120
Beryllium	ND		1.00	0.924		mg/L		92	80 - 120
Cadmium	ND		1.00	0.991		mg/L		99	80 - 120
Chromium	ND		1.00	0.963		mg/L		96	80 - 120
Cobalt	ND		1.00	0.931		mg/L		93	80 - 120
Copper	ND		1.00	0.913		mg/L		91	80 - 120
Iron	1.2		20.0	20.6		mg/L		97	80 - 120
Lead	ND		1.00	0.917		mg/L		92	80 - 120
Manganese	0.27		1.00	1.23		mg/L		96	80 - 120
Nickel	ND		1.00	0.905		mg/L		91	80 - 120
Selenium	ND		1.00	0.952		mg/L		95	80 - 120
Silver	ND		1.00	1.00		mg/L		100	80 - 120
Thallium	ND		1.00	0.901		mg/L		90	80 - 120
Vanadium	ND		1.00	0.929		mg/L		93	80 - 120
Zinc	ND		1.00	0.938		mg/L		94	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-142794-5 MSD
Matrix: Water
Analysis Batch: 468016

Client Sample ID: 0824-05
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	1.05		mg/L		105	80 - 120	3	20
Arsenic	0.0050		1.00	0.932		mg/L		93	80 - 120	1	20
Barium	0.061		1.00	1.12		mg/L		106	80 - 120	3	20
Beryllium	ND		1.00	0.950		mg/L		95	80 - 120	3	20
Cadmium	ND		1.00	1.03		mg/L		103	80 - 120	3	20
Chromium	ND		1.00	0.991		mg/L		99	80 - 120	3	20
Cobalt	ND		1.00	0.942		mg/L		94	80 - 120	1	20
Copper	ND		1.00	0.948		mg/L		95	80 - 120	4	20
Iron	1.2		20.0	21.4		mg/L		101	80 - 120	4	20
Lead	ND		1.00	0.937		mg/L		94	80 - 120	2	20
Manganese	0.27		1.00	1.26		mg/L		99	80 - 120	2	20
Nickel	ND		1.00	0.915		mg/L		91	80 - 120	1	20
Selenium	ND		1.00	0.963		mg/L		96	80 - 120	1	20
Silver	ND		1.00	1.04		mg/L		104	80 - 120	4	20
Thallium	ND		1.00	0.914		mg/L		91	80 - 120	1	20
Vanadium	ND		1.00	0.961		mg/L		96	80 - 120	3	20
Zinc	ND		1.00	0.948		mg/L		95	80 - 120	1	20

Lab Sample ID: 580-142794-F-2-B DU
Matrix: Water
Analysis Batch: 467939

Client Sample ID: 580-142794-F-2-B DU
Prep Type: Total Recoverable
Prep Batch: 467807

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	ND			ND		mg/L				NC	20
Arsenic	0.021			0.0218		mg/L				2	20
Barium	0.025			0.0258		mg/L				1	20
Beryllium	ND			ND		mg/L				NC	20
Cadmium	ND			ND		mg/L				NC	20
Chromium	ND			ND		mg/L				NC	20
Cobalt	ND			ND		mg/L				NC	20
Copper	ND			ND		mg/L				NC	20
Iron	ND			ND		mg/L				NC	20
Lead	ND			ND		mg/L				NC	20
Manganese	ND			ND		mg/L				NC	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	ND			ND		mg/L				NC	20

Lab Sample ID: MB 580-467808/14-A
Matrix: Water
Analysis Batch: 468016

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 13:56	1
Arsenic	ND		0.0010		mg/L		08/09/24 17:31	08/12/24 13:56	1
Barium	ND		0.0012		mg/L		08/09/24 17:31	08/12/24 13:56	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-467808/14-A
Matrix: Water
Analysis Batch: 468016

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 13:56	1
Cadmium	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 13:56	1
Chromium	ND		0.00080		mg/L		08/09/24 17:31	08/12/24 13:56	1
Cobalt	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 13:56	1
Copper	ND		0.0020		mg/L		08/09/24 17:31	08/12/24 13:56	1
Iron	ND		0.10		mg/L		08/09/24 17:31	08/12/24 13:56	1
Lead	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 13:56	1
Manganese	ND		0.0020		mg/L		08/09/24 17:31	08/12/24 13:56	1
Nickel	ND		0.0030		mg/L		08/09/24 17:31	08/12/24 13:56	1
Selenium	ND		0.0080		mg/L		08/09/24 17:31	08/12/24 13:56	1
Silver	ND		0.00040		mg/L		08/09/24 17:31	08/12/24 13:56	1
Thallium	ND		0.0010		mg/L		08/09/24 17:31	08/12/24 13:56	1
Vanadium	ND		0.0040		mg/L		08/09/24 17:31	08/12/24 13:56	1
Zinc	ND		0.0070		mg/L		08/09/24 17:31	08/12/24 13:56	1

Lab Sample ID: LCS 580-467808/15-A
Matrix: Water
Analysis Batch: 468016

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.07		mg/L		107	80 - 120
Arsenic	1.00	0.961		mg/L		96	80 - 120
Barium	1.00	1.08		mg/L		108	80 - 120
Beryllium	1.00	0.956		mg/L		96	80 - 120
Cadmium	1.00	1.05		mg/L		105	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Cobalt	1.00	0.984		mg/L		98	80 - 120
Copper	1.00	0.956		mg/L		96	80 - 120
Iron	20.0	20.2		mg/L		101	80 - 120
Lead	1.00	0.960		mg/L		96	80 - 120
Manganese	1.00	1.00		mg/L		100	80 - 120
Nickel	1.00	0.947		mg/L		95	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	0.933		mg/L		93	80 - 120
Vanadium	1.00	0.981		mg/L		98	80 - 120
Zinc	1.00	0.978		mg/L		98	80 - 120

Lab Sample ID: LCSD 580-467808/16-A
Matrix: Water
Analysis Batch: 468016

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	1.06		mg/L		106	80 - 120	1	20
Arsenic	1.00	0.930		mg/L		93	80 - 120	3	20
Barium	1.00	1.06		mg/L		106	80 - 120	2	20
Beryllium	1.00	0.935		mg/L		93	80 - 120	2	20
Cadmium	1.00	1.02		mg/L		102	80 - 120	3	20
Chromium	1.00	0.992		mg/L		99	80 - 120	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-467808/16-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 468016
Prep Batch: 467808

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cobalt			1.00	0.950		mg/L		95	80 - 120	4	20
Copper			1.00	0.937		mg/L		94	80 - 120	2	20
Iron			20.0	19.9		mg/L		99	80 - 120	2	20
Lead			1.00	0.941		mg/L		94	80 - 120	2	20
Manganese			1.00	0.982		mg/L		98	80 - 120	2	20
Nickel			1.00	0.917		mg/L		92	80 - 120	3	20
Selenium			1.00	0.975		mg/L		98	80 - 120	3	20
Silver			1.00	1.01		mg/L		101	80 - 120	1	20
Thallium			1.00	0.916		mg/L		92	80 - 120	2	20
Vanadium			1.00	0.970		mg/L		97	80 - 120	1	20
Zinc			1.00	0.955		mg/L		95	80 - 120	2	20

Lab Sample ID: 580-142794-2 MS
Client Sample ID: 0824-02
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 468016
Prep Batch: 467808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	1.13		mg/L		112	80 - 120
Arsenic	0.021		1.00	0.964		mg/L		94	80 - 120
Barium	0.028		1.00	1.13		mg/L		110	80 - 120
Beryllium	ND		1.00	0.923		mg/L		92	80 - 120
Cadmium	ND		1.00	1.05		mg/L		105	80 - 120
Chromium	ND		1.00	0.996		mg/L		100	80 - 120
Cobalt	ND		1.00	0.947		mg/L		95	80 - 120
Copper	ND		1.00	0.921		mg/L		92	80 - 120
Iron	0.11		20.0	19.9		mg/L		99	80 - 120
Lead	ND		1.00	0.951		mg/L		95	80 - 120
Manganese	0.026		1.00	1.00		mg/L		98	80 - 120
Nickel	ND		1.00	0.912		mg/L		91	80 - 120
Selenium	ND		1.00	1.00		mg/L		100	80 - 120
Silver	ND		1.00	1.04		mg/L		104	80 - 120
Thallium	ND		1.00	0.997		mg/L		100	80 - 120
Vanadium	ND		1.00	0.975		mg/L		98	80 - 120
Zinc	ND		1.00	0.971		mg/L		97	80 - 120

Lab Sample ID: 580-142794-2 MSD
Client Sample ID: 0824-02
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 468016
Prep Batch: 467808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	1.11		mg/L		111	80 - 120	1	20
Arsenic	0.021		1.00	0.958		mg/L		94	80 - 120	1	20
Barium	0.028		1.00	1.14		mg/L		111	80 - 120	1	20
Beryllium	ND		1.00	0.919		mg/L		92	80 - 120	0	20
Cadmium	ND		1.00	1.04		mg/L		104	80 - 120	1	20
Chromium	ND		1.00	0.995		mg/L		100	80 - 120	0	20
Cobalt	ND		1.00	0.939		mg/L		94	80 - 120	1	20
Copper	ND		1.00	0.925		mg/L		92	80 - 120	0	20
Iron	0.11		20.0	19.8		mg/L		98	80 - 120	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-142794-2 MSD
Matrix: Water
Analysis Batch: 468016

Client Sample ID: 0824-02
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	ND		1.00	0.939		mg/L		94	80 - 120	1	20
Manganese	0.026		1.00	1.01		mg/L		98	80 - 120	0	20
Nickel	ND		1.00	0.900		mg/L		90	80 - 120	1	20
Selenium	ND		1.00	0.996		mg/L		100	80 - 120	1	20
Silver	ND		1.00	1.03		mg/L		103	80 - 120	1	20
Thallium	ND		1.00	0.991		mg/L		99	80 - 120	1	20
Vanadium	ND		1.00	0.972		mg/L		97	80 - 120	0	20
Zinc	ND		1.00	0.954		mg/L		95	80 - 120	2	20

Lab Sample ID: 580-142794-F-2-B DU
Matrix: Water
Analysis Batch: 468016

Client Sample ID: 0824-02
Prep Type: Total Recoverable
Prep Batch: 467808

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	ND		ND		mg/L		NC	20
Arsenic	0.021		0.0205		mg/L		1	20
Barium	0.028		0.0279		mg/L		0.8	20
Beryllium	ND		ND		mg/L		NC	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	ND		ND		mg/L		NC	20
Cobalt	ND		ND		mg/L		NC	20
Copper	ND		ND		mg/L		NC	20
Iron	0.11		0.106		mg/L		5	20
Lead	ND		ND		mg/L		NC	20
Manganese	0.026		0.0256		mg/L		2	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	ND		ND		mg/L		NC	20

Lab Sample ID: MB 580-467989/24-A
Matrix: Water
Analysis Batch: 468133

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 12:31	1
Arsenic	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 12:31	1
Barium	ND		0.0012		mg/L		08/12/24 19:27	08/13/24 12:31	1
Beryllium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 12:31	1
Cadmium	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 12:31	1
Chromium	ND		0.00080		mg/L		08/12/24 19:27	08/13/24 12:31	1
Cobalt	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 12:31	1
Copper	ND		0.0020		mg/L		08/12/24 19:27	08/13/24 12:31	1
Iron	ND		0.10		mg/L		08/12/24 19:27	08/13/24 12:31	1
Lead	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 12:31	1
Manganese	ND		0.0020		mg/L		08/12/24 19:27	08/13/24 12:31	1
Nickel	ND		0.0030		mg/L		08/12/24 19:27	08/13/24 12:31	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-467989/24-A
Matrix: Water
Analysis Batch: 468133

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.0080		mg/L		08/12/24 19:27	08/13/24 12:31	1
Silver	ND		0.00040		mg/L		08/12/24 19:27	08/13/24 12:31	1
Thallium	ND		0.0010		mg/L		08/12/24 19:27	08/13/24 12:31	1
Vanadium	ND		0.0040		mg/L		08/12/24 19:27	08/13/24 12:31	1
Zinc	ND		0.0070		mg/L		08/12/24 19:27	08/13/24 12:31	1

Lab Sample ID: LCS 580-467989/25-A
Matrix: Water
Analysis Batch: 468133

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.999		mg/L		100	80 - 120
Arsenic	1.00	0.974		mg/L		97	80 - 120
Barium	1.00	1.00		mg/L		100	80 - 120
Beryllium	1.00	0.957		mg/L		96	80 - 120
Cadmium	1.00	0.965		mg/L		96	80 - 120
Chromium	1.00	0.993		mg/L		99	80 - 120
Cobalt	1.00	0.937		mg/L		94	80 - 120
Copper	1.00	0.920		mg/L		92	80 - 120
Iron	20.0	19.7		mg/L		99	80 - 120
Lead	1.00	0.959		mg/L		96	80 - 120
Manganese	1.00	0.957		mg/L		96	80 - 120
Nickel	1.00	0.900		mg/L		90	80 - 120
Selenium	1.00	0.952		mg/L		95	80 - 120
Silver	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	0.961		mg/L		96	80 - 120
Vanadium	1.00	0.980		mg/L		98	80 - 120
Zinc	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: LCSD 580-467989/26-A
Matrix: Water
Analysis Batch: 468133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	1.00	0.993		mg/L		99	80 - 120	1	20
Arsenic	1.00	0.982		mg/L		98	80 - 120	1	20
Barium	1.00	0.993		mg/L		99	80 - 120	1	20
Beryllium	1.00	0.947		mg/L		95	80 - 120	1	20
Cadmium	1.00	0.984		mg/L		98	80 - 120	2	20
Chromium	1.00	0.995		mg/L		99	80 - 120	0	20
Cobalt	1.00	0.964		mg/L		96	80 - 120	3	20
Copper	1.00	0.941		mg/L		94	80 - 120	2	20
Iron	20.0	19.7		mg/L		99	80 - 120	0	20
Lead	1.00	0.966		mg/L		97	80 - 120	1	20
Manganese	1.00	0.962		mg/L		96	80 - 120	1	20
Nickel	1.00	0.921		mg/L		92	80 - 120	2	20
Selenium	1.00	0.968		mg/L		97	80 - 120	2	20
Silver	1.00	1.00		mg/L		100	80 - 120	1	20
Thallium	1.00	0.987		mg/L		99	80 - 120	3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-467989/26-A
Matrix: Water
Analysis Batch: 468133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium			1.00	0.982		mg/L		98	80 - 120	0	20
Zinc			1.00	1.03		mg/L		103	80 - 120	2	20

Lab Sample ID: 580-142794-8 MS
Matrix: Water
Analysis Batch: 468133

Client Sample ID: 0824-08
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	0.977		mg/L		98	80 - 120
Arsenic	0.0031		1.00	1.04		mg/L		104	80 - 120
Barium	0.027		1.00	1.02		mg/L		100	80 - 120
Beryllium	ND		1.00	0.959		mg/L		96	80 - 120
Cadmium	ND		1.00	0.970		mg/L		97	80 - 120
Chromium	0.00087		1.00	1.03		mg/L		103	80 - 120
Cobalt	ND		1.00	0.924		mg/L		92	80 - 120
Copper	ND		1.00	0.916		mg/L		91	80 - 120
Iron	ND		20.0	20.5		mg/L		102	80 - 120
Lead	ND		1.00	0.971		mg/L		97	80 - 120
Manganese	0.016		1.00	1.01		mg/L		99	80 - 120
Nickel	0.0040		1.00	0.901		mg/L		90	80 - 120
Selenium	ND		1.00	0.925		mg/L		93	80 - 120
Silver	ND		1.00	0.997		mg/L		100	80 - 120
Thallium	ND		1.00	0.977		mg/L		98	80 - 120
Vanadium	ND		1.00	1.03		mg/L		103	80 - 120
Zinc	ND		1.00	1.07		mg/L		107	80 - 120

Lab Sample ID: 580-142794-8 MSD
Matrix: Water
Analysis Batch: 468133

Client Sample ID: 0824-08
Prep Type: Total Recoverable
Prep Batch: 467989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	0.996		mg/L		100	80 - 120	2	20
Arsenic	0.0030		1.00	0.987		mg/L		98	80 - 120	5	20
Barium	0.027		1.00	1.03		mg/L		100	80 - 120	0	20
Beryllium	ND		1.00	0.948		mg/L		95	80 - 120	1	20
Cadmium	ND		1.00	0.986		mg/L		99	80 - 120	2	20
Chromium	ND		1.00	0.979		mg/L		98	80 - 120	5	20
Cobalt	ND		1.00	0.938		mg/L		94	80 - 120	1	20
Copper	ND		1.00	0.927		mg/L		93	80 - 120	1	20
Iron	ND		20.0	19.5		mg/L		97	80 - 120	5	20
Lead	0.00042		1.00	0.963		mg/L		96	80 - 120	1	20
Manganese	0.016		1.00	0.974		mg/L		96	80 - 120	4	20
Nickel	0.0040		1.00	0.908		mg/L		90	80 - 120	1	20
Selenium	ND		1.00	0.952		mg/L		95	80 - 120	3	20
Silver	ND		1.00	1.00		mg/L		100	80 - 120	0	20
Thallium	ND		1.00	0.973		mg/L		97	80 - 120	0	20
Vanadium	ND		1.00	0.985		mg/L		98	80 - 120	5	20
Zinc	ND		1.00	1.01		mg/L		101	80 - 120	6	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-467839/11
Matrix: Water
Analysis Batch: 467839

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			08/09/24 12:10	1
Chloride	ND		1.5		mg/L			08/09/24 12:10	1
Sulfate	ND		1.5		mg/L			08/09/24 12:10	1

Lab Sample ID: LCS 580-467839/12
Matrix: Water
Analysis Batch: 467839

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	4.98		mg/L		100	90 - 110
Chloride	50.0	52.9		mg/L		106	90 - 110
Sulfate	50.0	52.3		mg/L		105	90 - 110

Lab Sample ID: LCSD 580-467839/13
Matrix: Water
Analysis Batch: 467839

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	5.00		mg/L		100	90 - 110	0	15
Chloride	50.0	53.0		mg/L		106	90 - 110	0	15
Sulfate	50.0	52.2		mg/L		104	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-472664/5-A
Matrix: Water
Analysis Batch: 472676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 472664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.075		mg/L		08/20/24 10:03	08/20/24 12:51	1

Lab Sample ID: LCS 570-472664/6-A
Matrix: Water
Analysis Batch: 472676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 472664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	0.500	0.501		mg/L		100	90 - 110

Lab Sample ID: LCSD 570-472664/7-A
Matrix: Water
Analysis Batch: 472676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 472664

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	0.500	0.502		mg/L		100	90 - 110	0	20

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 580-142794-1 MS — **Client Sample ID: 0824-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 472676 — **Prep Batch: 472664**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	ND		0.500	0.502		mg/L		100	90 - 110

Lab Sample ID: 580-142794-1 MSD — **Client Sample ID: 0824-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 472676 — **Prep Batch: 472664**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	ND		0.500	0.511		mg/L		102	90 - 110	2	25

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 580-469138/18 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 469138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.15		mg/L			08/21/24 21:01	1

Lab Sample ID: LCS 580-469138/16 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 469138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.28		mg/L		91	90 - 110

Lab Sample ID: LCSD 580-469138/17 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 469138

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.28		mg/L		91	90 - 110	0	20

Lab Sample ID: MRL 580-469138/12 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 469138

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.140	0.164		mg/L		117	50 - 150

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-468507/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 468507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	104		mg/L		104	85 - 115

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 580-468507/3
Matrix: Water
Analysis Batch: 468507

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	106		mg/L		106	85 - 115	2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-467794/1
Matrix: Water
Analysis Batch: 467794

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		mg/L			08/09/24 15:35	1

Lab Sample ID: LCS 580-467794/2
Matrix: Water
Analysis Batch: 467794

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	1010		mg/L		100	80 - 120		

Lab Sample ID: 580-142794-4 DU
Matrix: Water
Analysis Batch: 467794

Client Sample ID: 0824-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	860			770		mg/L				10	20

Lab Sample ID: 580-142794-10 DU
Matrix: Water
Analysis Batch: 467794

Client Sample ID: 0824-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1200			1190		mg/L				3	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-468373/3-A
Matrix: Water
Analysis Batch: 468424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 468373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		08/15/24 12:42	08/15/24 16:59	1

Lab Sample ID: LCS 580-468373/4-A
Matrix: Water
Analysis Batch: 468424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 468373

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			75.0	74.8		mg/L		100	80 - 120		

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-468373/5-A
Matrix: Water
Analysis Batch: 468424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 468373

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	77.2		mg/L		103	80 - 120	3	20

Lab Sample ID: 580-142794-1 MS
Matrix: Water
Analysis Batch: 468424

Client Sample ID: 0824-01
Prep Type: Total/NA
Prep Batch: 468373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	ND		25.0	27.6		mg/L		110	75 - 125		

Lab Sample ID: 580-142794-1 DU
Matrix: Water
Analysis Batch: 468424

Client Sample ID: 0824-01
Prep Type: Total/NA
Prep Batch: 468373

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 5310C - TOC

Lab Sample ID: MB 580-468292/4
Matrix: Water
Analysis Batch: 468292

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			08/14/24 10:41	1

Lab Sample ID: LCS 580-468292/5
Matrix: Water
Analysis Batch: 468292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			25.0	22.0		mg/L		88	85 - 115		

Lab Sample ID: LCSD 580-468292/6
Matrix: Water
Analysis Batch: 468292

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
Total Organic Carbon			25.0	23.2		mg/L		93	85 - 115	5	20

Lab Chronicle

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-01
Lab Sample ID: 580-142794-1
Date Collected: 08/07/24 09:45
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 06:06
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 17:51
Dissolved	Prep	3005A			467808	MCMS	EET SEA	08/09/24 17:31
Dissolved	Analysis	6010D		1	469080	JLS	EET SEA	08/21/24 17:09
Total Recoverable	Prep	3005A			467808	MCMS	EET SEA	08/09/24 17:31
Total Recoverable	Analysis	6020B		1	468016	FCW	EET SEA	08/12/24 14:30
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 10:34
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:25
Total/NA	Analysis	353.2		1	469138	FCG	EET SEA	08/21/24 21:10
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:41
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 14:54

Client Sample ID: 0824-02
Lab Sample ID: 580-142794-2
Date Collected: 08/07/24 10:41
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 06:29
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 18:14
Dissolved	Prep	3005A			467807	MCMS	EET SEA	08/09/24 17:20
Dissolved	Analysis	6010D		1	468151	JLS	EET SEA	08/13/24 20:39
Total Recoverable	Prep	3005A			467808	MCMS	EET SEA	08/09/24 17:31
Total Recoverable	Analysis	6020B		1	468016	FCW	EET SEA	08/12/24 14:05
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 10:46
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:26
Total/NA	Analysis	353.2		1	469138	FCG	EET SEA	08/21/24 21:11
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:41
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 15:30

Client Sample ID: 0824-03
Lab Sample ID: 580-142794-3
Date Collected: 08/07/24 11:56
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 06:52

Lab Chronicle

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-03
Date Collected: 08/07/24 11:56
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 18:38

Client Sample ID: 0824-04
Date Collected: 08/07/24 12:48
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 07:16
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 19:01
Dissolved	Prep	3005A			467808	MCMS	EET SEA	08/09/24 17:31
Dissolved	Analysis	6010D		1	469080	JLS	EET SEA	08/21/24 17:12
Total Recoverable	Prep	3005A			467808	MCMS	EET SEA	08/09/24 17:31
Total Recoverable	Analysis	6020B		1	468016	FCW	EET SEA	08/12/24 14:27
Total/NA	Analysis	300.0		1	467840	FCG	EET SEA	08/09/24 10:58
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 10:58
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:28
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:41
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 16:05

Client Sample ID: 0824-05
Date Collected: 08/07/24 13:57
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 07:39
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 19:24
Dissolved	Prep	3005A			467808	MCMS	EET SEA	08/09/24 17:31
Dissolved	Analysis	6010D		1	469080	JLS	EET SEA	08/21/24 17:16
Total Recoverable	Prep	3005A			467807	MCMS	EET SEA	08/09/24 17:20
Total Recoverable	Analysis	6020B		1	468016	FCW	EET SEA	08/12/24 12:48
Total/NA	Analysis	300.0		1	467840	FCG	EET SEA	08/09/24 11:10
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 11:10
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:30
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:41
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 17:53

Lab Chronicle

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-06
Date Collected: 08/06/24 11:22
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467923	AA	EET SEA	08/12/24 17:49
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 19:47
Dissolved	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Dissolved	Analysis	6010D		1	468151	JLS	EET SEA	08/13/24 18:34
Total Recoverable	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Total Recoverable	Analysis	6020B		1	468133	FCW	EET SEA	08/13/24 13:10
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 18:55
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:32
Total/NA	Analysis	353.2		1	469138	FCG	EET SEA	08/21/24 21:13
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:41
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 18:29

Client Sample ID: 0824-07
Date Collected: 08/06/24 12:57
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467923	AA	EET SEA	08/12/24 18:12
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 20:10

Client Sample ID: 0824-08
Date Collected: 08/06/24 14:33
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467923	AA	EET SEA	08/12/24 18:35
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 20:34
Dissolved	Prep	3005A			468129	MCMS	EET SEA	08/13/24 18:13
Dissolved	Analysis	6010D		1	468320	JLS	EET SEA	08/14/24 18:38
Dissolved	Prep	3005A			468129	MCMS	EET SEA	08/13/24 18:13
Dissolved	Analysis	6010D		1	468669	JLS	EET SEA	08/16/24 12:48
Total Recoverable	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Total Recoverable	Analysis	6020B		1	468133	FCW	EET SEA	08/13/24 13:02
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 19:07
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:34
Total/NA	Analysis	353.2		1	469138	FCG	EET SEA	08/21/24 21:15
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:41
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35

Lab Chronicle

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-08
Lab Sample ID: 580-142794-8
Date Collected: 08/06/24 14:33
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 19:05

Client Sample ID: 0824-09
Lab Sample ID: 580-142794-9
Date Collected: 08/06/24 14:45
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467923	AA	EET SEA	08/12/24 18:58
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 20:57
Dissolved	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Dissolved	Analysis	6010D		1	468151	JLS	EET SEA	08/13/24 18:37
Total Recoverable	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Total Recoverable	Analysis	6020B		1	468133	FCW	EET SEA	08/13/24 13:16
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 19:19
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:36
Total/NA	Analysis	353.2		1	469138	FCG	EET SEA	08/21/24 21:17
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:42
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 19:40

Client Sample ID: 0824-10
Lab Sample ID: 580-142794-10
Date Collected: 08/06/24 10:32
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	467923	AA	EET SEA	08/12/24 19:21
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 21:20
Dissolved	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Dissolved	Analysis	6010D		1	468151	JLS	EET SEA	08/13/24 18:40
Total Recoverable	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Total Recoverable	Analysis	6020B		1	468133	FCW	EET SEA	08/13/24 13:18
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 19:30
Total/NA	Analysis	300.0		10	467839	FCG	EET SEA	08/09/24 20:30
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:37
Total/NA	Analysis	353.2		1	469138	FCG	EET SEA	08/21/24 21:19
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:42
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35

Lab Chronicle

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-10
Date Collected: 08/06/24 10:32
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 20:16

Client Sample ID: 0824-11
Date Collected: 08/07/24 15:45
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 08:02
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 17:05
Dissolved	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Dissolved	Analysis	6010D		1	468151	JLS	EET SEA	08/13/24 18:44
Total Recoverable	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Total Recoverable	Analysis	6020B		1	468133	FCW	EET SEA	08/13/24 13:24
Total/NA	Analysis	300.0		1	467840	FCG	EET SEA	08/09/24 11:22
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 11:22
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:39
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:42
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 20:51

Client Sample ID: 0824-12
Date Collected: 08/07/24 16:00
Date Received: 08/08/24 11:42

Lab Sample ID: 580-142794-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 08:25
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 17:28
Dissolved	Prep	3005A			467990	MCMS	EET SEA	08/12/24 19:34
Dissolved	Analysis	6010D		1	468320	JLS	EET SEA	08/14/24 16:38
Total Recoverable	Prep	3005A			467989	MCMS	EET SEA	08/12/24 19:27
Total Recoverable	Analysis	6020B		1	468133	FCW	EET SEA	08/13/24 13:21
Total/NA	Analysis	300.0		1	467840	FCG	EET SEA	08/09/24 11:34
Total/NA	Analysis	300.0		1	467839	FCG	EET SEA	08/09/24 11:34
Total/NA	Prep	Distill/Ammonia			472664	UXCH	EET CAL 4	08/20/24 10:03
Total/NA	Analysis	350.1		1	472676	UXCH	EET CAL 4	08/20/24 13:41
Total/NA	Analysis	SM 2320B		1	468507	MLT	EET SEA	08/16/24 13:42
Total/NA	Analysis	SM 2540C		1	467794	CSS	EET SEA	08/09/24 15:35

Lab Chronicle

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

Client Sample ID: 0824-12
Lab Sample ID: 580-142794-12
Date Collected: 08/07/24 16:00
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SM 5220			468373	MLT	EET SEA	08/15/24 12:42
Total/NA	Analysis	SM 5220D		1	468424	MLT	EET SEA	08/15/24 16:59
Total/NA	Analysis	SM 5310C		1	468292	AUA	EET SEA	08/14/24 21:27

Client Sample ID: Trip Blanks
Lab Sample ID: 580-142794-13
Date Collected: 08/07/24 00:00
Matrix: Water
Date Received: 08/08/24 11:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	468572	JBT	EET SEA	08/17/24 03:46
Total/NA	Analysis	8260D SIM		1	467910	AA	EET SEA	08/12/24 16:18

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

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-142794-1
Project/Site: Coupeville SW Facility GW Q3 2024

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	C788-24	07-13-25

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
8260D SIM		Water	Vinyl chloride
SM 2320B		Water	Hydroxide Alkalinity as CaCO3

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	11-16-24
Arkansas DEQ	State	88-0161	07-02-25
California	Los Angeles County Sanitation Districts	9257304	08-01-24 *
California	State	3082	08-20-24
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	10-31-24
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW Q3 2024

Job ID: 580-142794-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-142794-1	0824-01	Water	08/07/24 09:45	08/08/24 11:42
580-142794-2	0824-02	Water	08/07/24 10:41	08/08/24 11:42
580-142794-3	0824-03	Water	08/07/24 11:56	08/08/24 11:42
580-142794-4	0824-04	Water	08/07/24 12:48	08/08/24 11:42
580-142794-5	0824-05	Water	08/07/24 13:57	08/08/24 11:42
580-142794-6	0824-06	Water	08/06/24 11:22	08/08/24 11:42
580-142794-7	0824-07	Water	08/06/24 12:57	08/08/24 11:42
580-142794-8	0824-08	Water	08/06/24 14:33	08/08/24 11:42
580-142794-9	0824-09	Water	08/06/24 14:45	08/08/24 11:42
580-142794-10	0824-10	Water	08/06/24 10:32	08/08/24 11:42
580-142794-11	0824-11	Water	08/07/24 15:45	08/08/24 11:42
580-142794-12	0824-12	Water	08/07/24 16:00	08/08/24 11:42
580-142794-13	Trip Blanks	Water	08/07/24 00:00	08/08/24 11:42

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 984284

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jovany Estrada	Lab PM: Laura Schick	Carrier Tracking No(s):	COC No:
Client Contact: Jovany Estrada	Phone: 425-507-6703	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: WA	Page: 1 of 2
Company: SCS Engineers	PWSID:			Job #:

Address: 2405 140th Avenue Northeast	Due Date Requested:
City: Seattle	TAT Requested (days):
State, Zip: WA, 98005	Compliance Project: Δ Yes Δ No
Phone: 425-507-6703	PO #: Purchase Order not required
Email: jestrada@scsengineers.com	WO #:
Project Name: Coupeville SW Facility GW Q3 2024	Project #: 04224035.24
Site:	SSOW#:

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)
Other:

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)	350.1 - (MOD) Copy Analytes	SM5310D - Total Organic Carbon	5220D - COD	2320B, 300.0_28D	6020B_LL - (MOD) Total Metalss	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	Special Instructions/Note:
			Preservation Code:																		
0824-01	8/7/24	0945	G	Water	Y		X	X	X	X	X	X	X	X	X						
0824-02		1041			Y		X	X	X	X	X	X	X	X	X						
0824-03		1156			N								X								
0824-04		1248			Y		X	X	X	X	X	X	X	X	X						
0824-05		1357																			
0824-06	8/6/24	1122																			
0824-07		1257			N								X								
0824-08		1433			Y		X	X	X	X	X	X	X	X	X						
0824-09		1445																			
0824-10		1032																			
0824-11	8/7/24	1545																			

580-142794 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are ... 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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	8/8/24 11:42	SCS		8/8/24 1142	EEN
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:

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 984284

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jovany Estrada	Lab PM: Laura Schick	Carrier Tracking No(s):	COC No:
Client Contact: Jovany Estrada	Phone: 425-507-6703	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: WA	Page: 2 of 2
Company: SCS Engineers	PWSID:			Job #:
Address: 2405 140th Avenue Northeast	Due Date Requested:			
City: Seattle	TAT Requested (days):			
State, Zip: WA, 98005	Compliance Project: Δ Yes Δ No			
Phone: 425-507-6703	PO #: Purchase Order not required			
Email: jestrada@scsengineers.com	WO #:			
Project Name: Coupeville SW Facility GW Q3 2024	Project #: 04224035.24			
Site:	SSOW#:			

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)

Other:

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)	350.1 - (MOD) Copy Analytes	SM5310D - Total Organic Carbon	5220D - COD	2320B, 300.0_28D	6020B_LL - (MOD) Total Metalss	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	Special Instructions/Note:
			Preservation Code:																		
0824-12	8/7/24	1600	G	Water	Y		X	X	X	X	X	X	X	X	X						
Trip Blanks	↓	—	↓	↓	N	↓							X								

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:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jovany Estrada	8/8/24 1142	SCS		8/8/24 1142	EEIN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 14 Cor: 5.4 ° Unc: 5.1 °
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ___ No x
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: x
Other: ___

#2

Therm. ID: 14 Cor: 2.1 ° Unc: 1.8 °
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ___ No x
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: x
Other: ___

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 984284

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jovany Estrada	Lab PM: Laura Schick	Carrier Tracking No(s):	COC No:
Client Contact: Jovany Estrada	Phone: 425-507-6703	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: WA	Page: 1 of 2
Company: SCS Engineers	PWSID:			Job #:
Address: 2405 140th Avenue Northeast	Due Date Requested:			
City: Seattle	TAT Requested (days):			
State, Zip: WA, 98005	Compliance Project: Δ Yes Δ No			
Phone: 425-507-6703	PO #: Purchase Order not required			
Email: jestrada@scsengineers.com	WO #:			
Project Name: Coupeville SW Facility GW Q3 2024	Project #: 04224035.24			
Site:	SSOW#:			

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)
Other:

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)	350.1 - (MOD) Copy Analytes	SM5310D - Total Organic Carbon	5220D - COD	2320B, 300.0_28D	6020B_LL - (MOD) Total Metalss	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	Special Instructions/Note:
			Preservation Code:																		
0824-01	8/7/24	0945	G	Water	Y		X	X	X	X	X	X	X	X	X						
0824-02		1041			Y		X	X	X	X	X	X	X	X	X						
0824-03		1156			N								X								
0824-04		1248			Y		X	X	X	X	X	X	X	X	X						
0824-05		1357																			
0824-06	8/6/24	1122																			
0824-07		1257			N								X								
0824-08		1433			Y		X	X	X	X	X	X	X	X	X						
0824-09		1445																			
0824-10		1032																			
0824-11	8/7/24	1545																			

580-142794 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are ... 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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	8/8/24 11:42	SCS		8/8/24 1142	EETN
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:

Eurofins Environmental Testing Northwest, LLC
5755 8th Street East
Tacoma, WA 984284

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jovany Estrada	Lab PM: Laura Schick	Carrier Tracking No(s):	COC No:
Client Contact: Jovany Estrada	Phone: 425-507-6703	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: WA	Page: 2 of 2
Company: SCS Engineers	PWSID:	Analysis Requested		Job #:
Address: 2405 140th Avenue Northeast	Due Date Requested:			Preservation Codes:
City: Seattle	TAT Requested (days):			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)
State, Zip: WA, 98005	Compliance Project: Δ Yes Δ No			Other:
Phone: 425-507-6703	PO #: Purchase Order not required			
Email: jestrada@scsengineers.com	WO #:			
Project Name: Coupeville SW Facility GW Q3 2024	Project #: 04224035.24			
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)	350.1 - (MOD) Copy Analytes	SM5310D - Total Organic Carbon	5220D - COD	2320B, 300.0_28D	6020B_LL - (MOD) Total Metalss	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	Special Instructions/Note:
			Preservation Code:														
0824-12	8/7/24	1600	G	Water	Y		X	X	X	X	X	X	X	X	X		
Trip Blanks	↓	—	↓	↓	N	↓							X				

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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	8/8/24 1142	SCS		8/8/24 1142	EEIN
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: 14 Cor: 5.4 ° Unc: 5.1 °
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Courr: X
Other: ___

#2

Therm. ID: 14 Cor: 2.1 ° Unc: 1.8 °
Cooler Dsc: LB
Packing: Bub
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Courr: X
Other: ___

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Envi

Loc: 580
142794

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-135941.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-142794-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 8/21/2024			Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q3 2024	Project #: 58017834			
Site:	SSOW#:			

580-142794 Chain of Custody

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)	350.1/Distill_Ammonia (MOD) Copy Analytes	Total Number of co	Special Instructions/Note:
			Preservation Code:						
0824-01 (580-142794-1)	8/7/24	09:45 Pacific		Water			X	1	
0824-02 (580-142794-2)	8/7/24	10:41 Pacific		Water			X	1	
0824-04 (580-142794-4)	8/7/24	12:48 Pacific		Water			X	1	
0824-05 (580-142794-5)	8/7/24	13:57 Pacific		Water			X	1	
0824-06 (580-142794-6)	8/6/24	11:22 Pacific		Water			X	1	
0824-08 (580-142794-8)	8/6/24	14:33 Pacific		Water			X	1	
0824-09 (580-142794-9)	8/6/24	14:45 Pacific		Water			X	1	
0824-10 (580-142794-10)	8/6/24	10:32 Pacific		Water			X	1	
0824-11 (580-142794-11)	8/7/24	15:45 Pacific		Water			X	1	

Other:

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:	Company
	8/9/24 1454	EETN			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				8/10/24 9:25	Ec
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: 1.4/1.4 SC 12

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-135941.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-142794-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 8/21/2024			Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW Q3 2024	Project #: 58017834			Other:
Site:	SSOW#:			

Analysis Requested

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)	350.1/Distill_Ammonia (MOD) Copy Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
0824-12 (580-142794-12)	8/7/24	16:00 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:	Company	Received by:	Date/Time:	Company
	8/9/24 1454	EETN			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				8/10/24 9:25	EL
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: 1.4/1.4 SC/L

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-142794-1

Login Number: 142794
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	False	
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 <6mm (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: 580-142794-1

Login Number: 142794
List Number: 2
Creator: Yu, Tiffany

List Source: Eurofins Calscience
List Creation: 08/10/24 12:42 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	1.4
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

FOURTH QTR. 2024 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04224035.24	**Site Name**	Island County Coupeville SWF
Data Validator	Jovany Estrada	**Data Level**	Level 2
Date	12/17/2024	**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)
580-144789-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-144789-1	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	580-144789-1	N/A	See detailed results below.
Trip Blank	580-144789-1	N/A	See detailed results below.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-144789-1
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.	580-144789-1
F1	MS and/or MSD recovery exceeds control limits.	580-144789-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)	N3D	N3D (Dup)	RPD (%)
Alkalinity	mg/L	410	420	2.41	260	260	0.00
Arsenic	mg/L	0.0026	0.0029	10.91	0.008	0.0083	3.68
Barium	mg/L	0.025	0.027	7.69	0.029	0.028	3.51
Bicarbonate	mg/L	410	420	2.41	260	260	0.00
Calcium	mg/L	100	100	0.00	75	74	1.34
Chloride	mg/L	75	75	0.00	39	38	2.60
Iron	mg/L	0.1 U	0.1 U	0.00	0.13	0.13	0.00
Magnesium	mg/L	68	68	0.00	27	27	0.00
Manganese	mg/L	0.015	0.016	6.45	0.046	0.047	2.15
Nickel	mg/L	0.0042	0.0046	9.09	0.003 U	0.003 U	0.00
Nitrate/Nitrite, Total	mg/L	4.2	8.1	63.41	0.5 U	0.5 U	0.00
Potassium	mg/L	8.1	8.1	0.00	6.2	6.2	0.00
Sodium	mg/L	40	40	0.00	22	22	0.00
Sulfate	mg/L	71	70	1.42	26	25	3.92
Total Dissolved Solids	mg/L	680	740	8.45	320	310	3.17
Total Organic Carbon	mg/L	1.8	1.9	5.41	1.5 U	1.5 U	0.00
Trichlorofluoromethane	mg/L	0.66	0.64	3.08	0.5 U	0.5 U	0.00

* 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.

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/6/2024 3:42:06 PM

JOB DESCRIPTION

Coupeville SW Facility GW 2024

JOB NUMBER

580-144789-1

Eurofins Seattle
5755 8th Street East
Tacoma WA 98424

See page two for job notes and contact information.

my EOL

Eurofins Seattle

Job Notes

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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



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Job Narrative
580-144789-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 10/11/2024 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 2.4°C, 4.4°C, 5.0°C, 7.2°C, 8.5°C, 9.9°C and 10.2°C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). The trip blank sample was added to the login, however, no analyses were logged in. Trip Blanks (580-144789-30)

Samples were received out of hold or with insufficient hold time remaining for the analysis requested - 300_48HR - Nitrate/Nitrite. As such, samples were analyzed using the preserved container by method 353.2 per client request: 1024-01 (580-144789-1), 1024-06 (580-144789-2), 1024-02 (580-144789-3), 1024-03 (580-144789-4), 1024-07 (580-144789-5), 1024-08 (580-144789-6), 1024-27 (580-144789-7), 1024-26 (580-144789-8), 1024-11 (580-144789-9), 1024-16 (580-144789-10), 1024-17 (580-144789-11), 1024-28 (580-144789-12), 1024-18 (580-144789-13), 1024-10 (580-144789-14), 1024-09 (580-144789-15), 1024-14 (580-144789-16), 1024-23 (580-144789-17), 1024-24 (580-144789-18), 1024-20 (580-144789-19), 1024-19 (580-144789-20), 1024-29 (580-144789-21), 1024-05 (580-144789-22), 1024-04 (580-144789-23), 1024-22 (580-144789-24), 1024-21 (580-144789-25), 1024-15 (580-144789-26), 1024-25 (580-144789-27), 1024-12 (580-144789-28), 1024-13 (580-144789-29) and Trip Blanks (580-144789-30).

There were 4 out of 7 coolers received at the laboratory that were outside the required temperature criteria: 1024-01 (580-144789-1), 1024-06 (580-144789-2), 1024-02 (580-144789-3), 1024-03 (580-144789-4), 1024-07 (580-144789-5), 1024-08 (580-144789-6), 1024-27 (580-144789-7), 1024-26 (580-144789-8), 1024-11 (580-144789-9), 1024-16 (580-144789-10), 1024-17 (580-144789-11), 1024-28 (580-144789-12), 1024-18 (580-144789-13), 1024-10 (580-144789-14), 1024-09 (580-144789-15), 1024-14 (580-144789-16), 1024-23 (580-144789-17), 1024-24 (580-144789-18), 1024-20 (580-144789-19), 1024-19 (580-144789-20), 1024-29 (580-144789-21), 1024-05 (580-144789-22), 1024-04 (580-144789-23), 1024-22 (580-144789-24), 1024-21 (580-144789-25), 1024-15 (580-144789-26), 1024-25 (580-144789-27), 1024-12 (580-144789-28), 1024-13 (580-144789-29) and Trip Blanks (580-144789-30). This does not meet regulatory requirements.

Two VOA vial containers broke at login for the following sample. Sufficient VOA vials remained to proceed with analysis: 1024-06 (580-144789-2).

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 1024-29 (580-144789-21). The container labels list 1024-19, while the COC lists 1024-29. The sample was logged in using the information found on the COC.

Client contacted the laboratory and requested to change sample IDs from the information listed on the COC. As such, the following samples starting with 1008 and 1009 were updated to be replaced with 1024: 1024-27 (580-144789-7), 1024-26 (580-144789-8), 1024-11 (580-144789-9), 1024-16 (580-144789-10), 1024-17 (580-144789-11), 1024-28 (580-144789-12), 1024-18 (580-144789-13), 1024-20 (580-144789-19), 1024-19 (580-144789-20), 1024-29 (580-144789-21), 1024-05 (580-144789-22), 1024-04 (580-144789-23), 1024-22 (580-144789-24), 1024-21 (580-144789-25), 1024-15 (580-144789-26) and 1024-25 (580-144789-27)

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-474999 recovered above the upper control limit for 1,1,1-Trichloroethane, Bromochloromethane and Carbon tetrachloride. The samples associated with this CCV

were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 1024-10 (580-144789-14), 1024-09 (580-144789-15), 1024-14 (580-144789-16), 1024-23 (580-144789-17), 1024-20 (580-144789-19), 1024-19 (580-144789-20), 1024-29 (580-144789-21), 1024-05 (580-144789-22), 1024-04 (580-144789-23), 1024-22 (580-144789-24), 1024-21 (580-144789-25), 1024-15 (580-144789-26), 1024-25 (580-144789-27) and (CCVIS 580-474999/3).

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 580-475014 recovered outside acceptance criteria, low biased, for 1,2-Dichloroethane, 2-Butanone, Carbon tetrachloride, Methyl iodide, trans-1,4-Dichloro-2-butene and Vinyl acetate. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for the analyte(s), these data have been reported.

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

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

General Chemistry
Method 300.0_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-476659 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity were suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 5220D: The matrix spike (MS) recovery for preparation batch 580-476235 and analytical batch 580-476271 was outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity were suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Qualifiers

GC/MS VOA

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.

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.
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: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-01
Date Collected: 10/08/24 15:25
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-1
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		ug/L			10/15/24 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 120*		*10/15/24 16:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 125*		*10/15/24 16:09*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/15/24 16:09*	*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		ug/L			10/16/24 13:55	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 13:55	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 13:55	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 13:55	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 13:55	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 13:55	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 13:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 13:55	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 13:55	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 13:55	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 13:55	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 13:55	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 13:55	1
2-Butanone	ND		10		ug/L			10/16/24 13:55	1
2-Hexanone	ND		3.0		ug/L			10/16/24 13:55	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 13:55	1
Acetone	ND		10		ug/L			10/16/24 13:55	1
Acrylonitrile	ND		10		ug/L			10/16/24 13:55	1
Benzene	ND		0.20		ug/L			10/16/24 13:55	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 13:55	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 13:55	1
Bromoform	ND		0.50		ug/L			10/16/24 13:55	1
Bromomethane	ND		0.50		ug/L			10/16/24 13:55	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 13:55	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 13:55	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 13:55	1
Chloroethane	ND		0.50		ug/L			10/16/24 13:55	1
Chloroform	ND		0.20		ug/L			10/16/24 13:55	1
Chloromethane	ND		0.50		ug/L			10/16/24 13:55	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 13:55	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 13:55	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 13:55	1
Dibromomethane	ND		0.20		ug/L			10/16/24 13:55	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 13:55	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 13:55	1
Methyl iodide	ND		1.0		ug/L			10/16/24 13:55	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 13:55	1
o-Xylene	ND		0.50		ug/L			10/16/24 13:55	1
Styrene	ND		1.0		ug/L			10/16/24 13:55	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 13:55	1

Client Sample ID: 1024-01

Date Collected: 10/08/24 15:25
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-1

Matrix: Water

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		ug/L			10/16/24 13:55	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 13:55	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 13:55	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 13:55	1
Trichloroethene	ND		0.20		ug/L			10/16/24 13:55	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 13:55	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*10/16/24 13:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/16/24 13:55*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/16/24 13:55*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/16/24 13:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**69**		2.0		mg/L		10/24/24 16:30	10/28/24 09:51	1
Iron	**0.59**		0.50		mg/L		10/24/24 16:30	10/28/24 09:51	1
Magnesium	**46**		0.50		mg/L		10/24/24 16:30	10/28/24 09:51	1
Manganese	**0.17**		0.050		mg/L		10/24/24 16:30	10/28/24 09:51	1
Potassium	**6.6**		2.0		mg/L		10/24/24 16:30	10/28/24 09:51	1
Sodium	**27**		2.0		mg/L		10/24/24 16:30	10/28/24 09:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:39	1
Arsenic	**0.0062**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:39	1
Barium	**0.030**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:39	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:39	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:39	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:39	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:39	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:39	1
Iron	**0.66**		0.10		mg/L		10/25/24 17:59	10/26/24 18:39	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:39	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:39	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:39	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:39	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:39	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:39	1
Zinc	**0.11**		0.0070		mg/L		10/25/24 17:59	10/26/24 18:39	1
Manganese	**0.16**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 02:47	1
Chloride (EPA 300.0)	**23**		1.5		mg/L			10/30/24 02:47	1
Sulfate (EPA 300.0)	**26**		1.5		mg/L			10/30/24 02:47	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:11	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 09:31	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-01
Date Collected: 10/08/24 15:25
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			10/24/24 05:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**350**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**380**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-06
Date Collected: 10/08/24 14:26
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-2
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		0.020		ug/L			10/15/24 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 120*		*10/15/24 16:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 16:32*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 16:32*	*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		ug/L			10/16/24 14:18	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 14:18	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 14:18	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 14:18	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 14:18	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 14:18	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 14:18	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 14:18	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 14:18	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 14:18	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 14:18	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 14:18	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 14:18	1
2-Butanone	ND		10		ug/L			10/16/24 14:18	1
2-Hexanone	ND		3.0		ug/L			10/16/24 14:18	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 14:18	1
Acetone	ND		10		ug/L			10/16/24 14:18	1
Acrylonitrile	ND		10		ug/L			10/16/24 14:18	1
Benzene	ND		0.20		ug/L			10/16/24 14:18	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 14:18	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 14:18	1
Bromoform	ND		0.50		ug/L			10/16/24 14:18	1
Bromomethane	ND		0.50		ug/L			10/16/24 14:18	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 14:18	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 14:18	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 14:18	1
Chloroethane	ND		0.50		ug/L			10/16/24 14:18	1
Chloroform	ND		0.20		ug/L			10/16/24 14:18	1
Chloromethane	ND		0.50		ug/L			10/16/24 14:18	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 14:18	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 14:18	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 14:18	1
Dibromomethane	ND		0.20		ug/L			10/16/24 14:18	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 14:18	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 14:18	1
Methyl iodide	ND		1.0		ug/L			10/16/24 14:18	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 14:18	1
o-Xylene	ND		0.50		ug/L			10/16/24 14:18	1
Styrene	ND		1.0		ug/L			10/16/24 14:18	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 14:18	1

Client Sample ID: 1024-06

Date Collected: 10/08/24 14:26
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-2

Matrix: Water

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		ug/L			10/16/24 14:18	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 14:18	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 14:18	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 14:18	1
Trichloroethene	ND		0.20		ug/L			10/16/24 14:18	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 14:18	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*10/16/24 14:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 14:18*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/24 14:18*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 14:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**59**		2.0		mg/L		10/24/24 16:30	10/28/24 10:01	1
Iron	**1.3**		0.50		mg/L		10/24/24 16:30	10/28/24 10:01	1
Magnesium	**31**		0.50		mg/L		10/24/24 16:30	10/28/24 10:01	1
Manganese	**0.30**		0.050		mg/L		10/24/24 16:30	10/28/24 10:01	1
Potassium	**5.3**		2.0		mg/L		10/24/24 16:30	10/28/24 10:01	1
Sodium	**25**		2.0		mg/L		10/24/24 16:30	10/28/24 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:51	1
Arsenic	**0.0052**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:51	1
Barium	**0.058**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:51	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:51	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:51	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:51	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:51	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:51	1
Iron	**1.1**		0.10		mg/L		10/25/24 17:59	10/26/24 18:51	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:51	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:51	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:51	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:51	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:51	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:51	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:51	1
Manganese	**0.28**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 02:59	1
Chloride (EPA 300.0)	**12**		1.5		mg/L			10/30/24 02:59	1
Sulfate (EPA 300.0)	**22**		1.5		mg/L			10/30/24 02:59	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:13	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 09:33	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-06
Date Collected: 10/08/24 14:26
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-2
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/04/24 21:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**270**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**270**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**340**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-02
Date Collected: 10/08/24 12:38
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-3
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		ug/L			10/15/24 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 120*		*10/15/24 16:55*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 16:55*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 16:55*	*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		ug/L			10/16/24 14:41	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 14:41	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 14:41	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 14:41	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 14:41	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 14:41	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 14:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 14:41	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 14:41	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 14:41	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 14:41	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 14:41	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 14:41	1
2-Butanone	ND		10		ug/L			10/16/24 14:41	1
2-Hexanone	ND		3.0		ug/L			10/16/24 14:41	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 14:41	1
Acetone	ND		10		ug/L			10/16/24 14:41	1
Acrylonitrile	ND		10		ug/L			10/16/24 14:41	1
Benzene	ND		0.20		ug/L			10/16/24 14:41	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 14:41	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 14:41	1
Bromoform	ND		0.50		ug/L			10/16/24 14:41	1
Bromomethane	ND		0.50		ug/L			10/16/24 14:41	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 14:41	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 14:41	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 14:41	1
Chloroethane	ND		0.50		ug/L			10/16/24 14:41	1
Chloroform	ND		0.20		ug/L			10/16/24 14:41	1
Chloromethane	ND		0.50		ug/L			10/16/24 14:41	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 14:41	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 14:41	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 14:41	1
Dibromomethane	ND		0.20		ug/L			10/16/24 14:41	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 14:41	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 14:41	1
Methyl iodide	ND		1.0		ug/L			10/16/24 14:41	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 14:41	1
o-Xylene	ND		0.50		ug/L			10/16/24 14:41	1
Styrene	ND		1.0		ug/L			10/16/24 14:41	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 14:41	1

Client Sample ID: 1024-02

Date Collected: 10/08/24 12:38
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-3

Matrix: Water

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		ug/L			10/16/24 14:41	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 14:41	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 14:41	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 14:41	1
Trichloroethene	ND		0.20		ug/L			10/16/24 14:41	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 14:41	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/16/24 14:41*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 14:41*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*10/16/24 14:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 14:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**68**		2.0		mg/L		10/24/24 16:30	10/28/24 10:03	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:03	1
Magnesium	**41**		0.50		mg/L		10/24/24 16:30	10/28/24 10:03	1
Manganese	**0.27**		0.050		mg/L		10/24/24 16:30	10/28/24 10:03	1
Potassium	**6.4**		2.0		mg/L		10/24/24 16:30	10/28/24 10:03	1
Sodium	**26**		2.0		mg/L		10/24/24 16:30	10/28/24 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:27	1
Arsenic	**0.0062**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:27	1
Barium	**0.027**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:27	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:27	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:27	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:27	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:27	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:27	1
Iron	ND		0.10		mg/L		10/25/24 17:59	10/26/24 18:27	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:27	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:27	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:27	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:27	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:27	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:27	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:27	1
Manganese	**0.23**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 03:11	1
Chloride (EPA 300.0)	**34**		1.5		mg/L			10/30/24 03:11	1
Sulfate (EPA 300.0)	**15**		1.5		mg/L			10/30/24 03:11	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:15	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 09:35	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-02
Date Collected: 10/08/24 12:38
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-3
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 00:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**330**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**330**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**350**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-03
Date Collected: 10/08/24 11:39
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-4
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		ug/L			10/15/24 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/15/24 17:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 120*		*10/15/24 17:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 17:19*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 17:19*	*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		ug/L			10/16/24 15:04	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 15:04	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 15:04	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 15:04	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 15:04	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 15:04	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 15:04	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 15:04	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 15:04	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 15:04	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 15:04	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 15:04	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 15:04	1
2-Butanone	ND		10		ug/L			10/16/24 15:04	1
2-Hexanone	ND		3.0		ug/L			10/16/24 15:04	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 15:04	1
Acetone	ND		10		ug/L			10/16/24 15:04	1
Acrylonitrile	ND		10		ug/L			10/16/24 15:04	1
Benzene	ND		0.20		ug/L			10/16/24 15:04	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 15:04	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 15:04	1
Bromoform	ND		0.50		ug/L			10/16/24 15:04	1
Bromomethane	ND		0.50		ug/L			10/16/24 15:04	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 15:04	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 15:04	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 15:04	1
Chloroethane	ND		0.50		ug/L			10/16/24 15:04	1
Chloroform	ND		0.20		ug/L			10/16/24 15:04	1
Chloromethane	ND		0.50		ug/L			10/16/24 15:04	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 15:04	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 15:04	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 15:04	1
Dibromomethane	ND		0.20		ug/L			10/16/24 15:04	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 15:04	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 15:04	1
Methyl iodide	ND		1.0		ug/L			10/16/24 15:04	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 15:04	1
o-Xylene	ND		0.50		ug/L			10/16/24 15:04	1
Styrene	ND		1.0		ug/L			10/16/24 15:04	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 15:04	1

Client Sample ID: 1024-03

Date Collected: 10/08/24 11:39
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-4

Matrix: Water

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		ug/L			10/16/24 15:04	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 15:04	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 15:04	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 15:04	1
Trichloroethene	ND		0.20		ug/L			10/16/24 15:04	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 15:04	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/16/24 15:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 15:04*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/24 15:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 15:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**200**		2.0		mg/L		10/24/24 16:30	10/28/24 10:05	1
Iron	**2.5**		0.50		mg/L		10/24/24 16:30	10/28/24 10:05	1
Magnesium	**90**		0.50		mg/L		10/24/24 16:30	10/28/24 10:05	1
Manganese	**0.37**		0.050		mg/L		10/24/24 16:30	10/28/24 10:05	1
Potassium	**8.8**		2.0		mg/L		10/24/24 16:30	10/28/24 10:05	1
Sodium	**38**		2.0		mg/L		10/24/24 16:30	10/28/24 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:25	1
Arsenic	**0.0063**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:25	1
Barium	**0.086**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:25	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:25	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:25	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:25	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:25	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:25	1
Iron	**2.0**		0.10		mg/L		10/25/24 17:59	10/26/24 18:25	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:25	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:25	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:25	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:25	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:25	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:25	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:25	1
Manganese	**0.44**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 03:23	1
Chloride (EPA 300.0)	**28**		1.5		mg/L			10/30/24 03:23	1
Sulfate (EPA 300.0)	**40**		1.5		mg/L			10/30/24 03:23	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:17	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 09:37	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-03
Date Collected: 10/08/24 11:39
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-4
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	**1.8**		1.5		mg/L			11/02/24 01:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**770**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**770**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**810**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-07

Date Collected: 10/08/24 10:44
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.045		0.020		ug/L			10/15/24 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/15/24 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 120*		*10/15/24 17:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 125*		*10/15/24 17:42*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 17:42*	*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		ug/L			10/16/24 15:28	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 15:28	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 15:28	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 15:28	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 15:28	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 15:28	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 15:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 15:28	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 15:28	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 15:28	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 15:28	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 15:28	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 15:28	1
2-Butanone	ND		10		ug/L			10/16/24 15:28	1
2-Hexanone	ND		3.0		ug/L			10/16/24 15:28	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 15:28	1
Acetone	ND		10		ug/L			10/16/24 15:28	1
Acrylonitrile	ND		10		ug/L			10/16/24 15:28	1
Benzene	ND		0.20		ug/L			10/16/24 15:28	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 15:28	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 15:28	1
Bromoform	ND		0.50		ug/L			10/16/24 15:28	1
Bromomethane	ND		0.50		ug/L			10/16/24 15:28	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 15:28	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 15:28	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 15:28	1
Chloroethane	ND		0.50		ug/L			10/16/24 15:28	1
Chloroform	ND		0.20		ug/L			10/16/24 15:28	1
Chloromethane	ND		0.50		ug/L			10/16/24 15:28	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 15:28	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 15:28	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 15:28	1
Dibromomethane	ND		0.20		ug/L			10/16/24 15:28	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 15:28	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 15:28	1
Methyl iodide	ND		1.0		ug/L			10/16/24 15:28	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 15:28	1
o-Xylene	ND		0.50		ug/L			10/16/24 15:28	1
Styrene	ND		1.0		ug/L			10/16/24 15:28	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 15:28	1

Client Sample ID: 1024-07
Date Collected: 10/08/24 10:44
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-5
Matrix: Water

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		ug/L			10/16/24 15:28	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 15:28	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 15:28	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 15:28	1
Trichloroethene	ND		0.20		ug/L			10/16/24 15:28	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 15:28	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/16/24 15:28*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/16/24 15:28*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/16/24 15:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 15:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**140**		2.0		mg/L		10/24/24 16:30	10/28/24 10:19	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:19	1
Magnesium	**51**		0.50		mg/L		10/24/24 16:30	10/28/24 10:19	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:19	1
Potassium	**6.1**		2.0		mg/L		10/24/24 16:30	10/28/24 10:19	1
Sodium	**29**		2.0		mg/L		10/24/24 16:30	10/28/24 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:22	1
Arsenic	**0.0024**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:22	1
Barium	**0.042**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:22	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:22	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:22	1
Chromium	**0.0049**		0.00080		mg/L		10/25/24 17:59	10/26/24 18:22	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:22	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:22	1
Iron	ND		0.10		mg/L		10/25/24 17:59	10/26/24 18:22	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:22	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:22	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:22	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:22	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:22	1
Vanadium	**0.0060**		0.0040		mg/L		10/25/24 17:59	10/26/24 18:22	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:22	1
Manganese	**0.0024**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 03:34	1
Chloride (EPA 300.0)	**21**		1.5		mg/L			10/30/24 03:34	1
Sulfate (EPA 300.0)	**44**		1.5		mg/L			10/30/24 03:34	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:19	1
Nitrate Nitrite as N (EPA 353.2)	**5.4**		1.0		mg/L			10/19/24 09:39	10

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-07
Date Collected: 10/08/24 10:44
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-5
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 03:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**490**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**490**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**590**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-08
Date Collected: 10/08/24 09:53
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-6
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		ug/L			10/15/24 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 18:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 120*		*10/15/24 18:05*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 18:05*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/15/24 18:05*	*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		ug/L			10/16/24 15:51	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 15:51	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 15:51	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 15:51	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 15:51	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 15:51	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 15:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 15:51	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 15:51	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 15:51	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 15:51	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 15:51	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 15:51	1
2-Butanone	ND		10		ug/L			10/16/24 15:51	1
2-Hexanone	ND		3.0		ug/L			10/16/24 15:51	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 15:51	1
Acetone	ND		10		ug/L			10/16/24 15:51	1
Acrylonitrile	ND		10		ug/L			10/16/24 15:51	1
Benzene	ND		0.20		ug/L			10/16/24 15:51	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 15:51	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 15:51	1
Bromoform	ND		0.50		ug/L			10/16/24 15:51	1
Bromomethane	ND		0.50		ug/L			10/16/24 15:51	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 15:51	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 15:51	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 15:51	1
Chloroethane	ND		0.50		ug/L			10/16/24 15:51	1
Chloroform	ND		0.20		ug/L			10/16/24 15:51	1
Chloromethane	ND		0.50		ug/L			10/16/24 15:51	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 15:51	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 15:51	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 15:51	1
Dibromomethane	ND		0.20		ug/L			10/16/24 15:51	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 15:51	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 15:51	1
Methyl iodide	ND		1.0		ug/L			10/16/24 15:51	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 15:51	1
o-Xylene	ND		0.50		ug/L			10/16/24 15:51	1
Styrene	ND		1.0		ug/L			10/16/24 15:51	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 15:51	1

Client Sample ID: 1024-08
Date Collected: 10/08/24 09:53
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-6
Matrix: Water

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		ug/L			10/16/24 15:51	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 15:51	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 15:51	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 15:51	1
Trichloroethene	ND		0.20		ug/L			10/16/24 15:51	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 15:51	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/16/24 15:51*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 15:51*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/16/24 15:51*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/16/24 15:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**53**		2.0		mg/L		10/24/24 16:30	10/28/24 10:21	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:21	1
Magnesium	**34**		0.50		mg/L		10/24/24 16:30	10/28/24 10:21	1
Manganese	**0.098**		0.050		mg/L		10/24/24 16:30	10/28/24 10:21	1
Potassium	**11**		2.0		mg/L		10/24/24 16:30	10/28/24 10:21	1
Sodium	**25**		2.0		mg/L		10/24/24 16:30	10/28/24 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:15	1
Arsenic	**0.015**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:15	1
Barium	**0.046**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:15	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:15	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:15	1
Chromium	**0.00086**		0.00080		mg/L		10/25/24 17:59	10/26/24 18:15	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:15	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:15	1
Iron	**0.46**		0.10		mg/L		10/25/24 17:59	10/26/24 18:15	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:15	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:15	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:15	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:15	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:15	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:15	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:15	1
Manganese	**0.085**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 03:46	1
Chloride (EPA 300.0)	**30**		1.5		mg/L			10/30/24 03:46	1
Sulfate (EPA 300.0)	**15**		1.5		mg/L			10/30/24 03:46	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:21	1
Nitrate Nitrite as N (EPA 353.2)	ND	F1	0.10		mg/L			10/19/24 09:51	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-08
Date Collected: 10/08/24 09:53
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-6
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	**1.8**		1.5		mg/L			11/02/24 03:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**250**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**250**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**260**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-27

Date Collected: 10/08/24 10:32
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-7

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		ug/L			10/15/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 120*		*10/15/24 18:28*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 18:28*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*10/15/24 18:28*	*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		ug/L			10/16/24 16:14	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 16:14	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 16:14	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 16:14	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 16:14	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 16:14	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 16:14	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 16:14	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 16:14	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 16:14	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 16:14	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 16:14	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 16:14	1
2-Butanone	ND		10		ug/L			10/16/24 16:14	1
2-Hexanone	ND		3.0		ug/L			10/16/24 16:14	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 16:14	1
Acetone	ND		10		ug/L			10/16/24 16:14	1
Acrylonitrile	ND		10		ug/L			10/16/24 16:14	1
Benzene	ND		0.20		ug/L			10/16/24 16:14	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 16:14	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 16:14	1
Bromoform	ND		0.50		ug/L			10/16/24 16:14	1
Bromomethane	ND		0.50		ug/L			10/16/24 16:14	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 16:14	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 16:14	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 16:14	1
Chloroethane	ND		0.50		ug/L			10/16/24 16:14	1
Chloroform	ND		0.20		ug/L			10/16/24 16:14	1
Chloromethane	ND		0.50		ug/L			10/16/24 16:14	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 16:14	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 16:14	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 16:14	1
Dibromomethane	ND		0.20		ug/L			10/16/24 16:14	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 16:14	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 16:14	1
Methyl iodide	ND		1.0		ug/L			10/16/24 16:14	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 16:14	1
o-Xylene	ND		0.50		ug/L			10/16/24 16:14	1
Styrene	ND		1.0		ug/L			10/16/24 16:14	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 16:14	1

Client Sample ID: 1024-27
Date Collected: 10/08/24 10:32
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-7
Matrix: Water

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		ug/L			10/16/24 16:14	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 16:14	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 16:14	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 16:14	1
Trichloroethene	ND		0.20		ug/L			10/16/24 16:14	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 16:14	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/16/24 16:14*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 16:14*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/16/24 16:14*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 16:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		2.0		mg/L		10/24/24 16:30	10/28/24 10:24	1
Iron	**0.83**		0.50		mg/L		10/24/24 16:30	10/28/24 10:24	1
Magnesium	**61**		0.50		mg/L		10/24/24 16:30	10/28/24 10:24	1
Manganese	**0.086**		0.050		mg/L		10/24/24 16:30	10/28/24 10:24	1
Potassium	**7.8**		2.0		mg/L		10/24/24 16:30	10/28/24 10:24	1
Sodium	**32**		2.0		mg/L		10/24/24 16:30	10/28/24 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:34	1
Arsenic	**0.0065**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:34	1
Barium	**0.049**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:34	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:34	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:34	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:34	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:34	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:34	1
Iron	**0.79**		0.10		mg/L		10/25/24 17:59	10/26/24 18:34	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:34	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:34	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:34	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:34	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:34	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:34	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:34	1
Manganese	**0.081**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 03:58	1
Chloride (EPA 300.0)	**55**		1.5		mg/L			10/30/24 03:58	1
Sulfate (EPA 300.0)	**48**		1.5		mg/L			10/30/24 03:58	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:22	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 09:57	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-27
Date Collected: 10/08/24 10:32
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-7
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 04:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**410**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**410**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**600**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-26
Date Collected: 10/08/24 11:33
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-8
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		ug/L			10/15/24 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 18:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 120*		*10/15/24 18:52*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 125*		*10/15/24 18:52*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 18:52*	*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		ug/L			10/16/24 16:37	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 16:37	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 16:37	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 16:37	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 16:37	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 16:37	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 16:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 16:37	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 16:37	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 16:37	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 16:37	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 16:37	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 16:37	1
2-Butanone	ND		10		ug/L			10/16/24 16:37	1
2-Hexanone	ND		3.0		ug/L			10/16/24 16:37	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 16:37	1
Acetone	ND		10		ug/L			10/16/24 16:37	1
Acrylonitrile	ND		10		ug/L			10/16/24 16:37	1
Benzene	ND		0.20		ug/L			10/16/24 16:37	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 16:37	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 16:37	1
Bromoform	ND		0.50		ug/L			10/16/24 16:37	1
Bromomethane	ND		0.50		ug/L			10/16/24 16:37	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 16:37	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 16:37	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 16:37	1
Chloroethane	ND		0.50		ug/L			10/16/24 16:37	1
Chloroform	ND		0.20		ug/L			10/16/24 16:37	1
Chloromethane	ND		0.50		ug/L			10/16/24 16:37	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 16:37	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 16:37	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 16:37	1
Dibromomethane	ND		0.20		ug/L			10/16/24 16:37	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 16:37	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 16:37	1
Methyl iodide	ND		1.0		ug/L			10/16/24 16:37	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 16:37	1
o-Xylene	ND		0.50		ug/L			10/16/24 16:37	1
Styrene	ND		1.0		ug/L			10/16/24 16:37	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 16:37	1

Client Sample ID: 1024-26

Date Collected: 10/08/24 11:33
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-8

Matrix: Water

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		ug/L			10/16/24 16:37	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 16:37	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 16:37	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 16:37	1
Trichloroethene	ND		0.20		ug/L			10/16/24 16:37	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 16:37	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*10/16/24 16:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/16/24 16:37*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/16/24 16:37*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 16:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**31**		2.0		mg/L		10/24/24 16:30	10/28/24 10:26	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:26	1
Magnesium	**34**		0.50		mg/L		10/24/24 16:30	10/28/24 10:26	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:26	1
Potassium	**15**		2.0		mg/L		10/24/24 16:30	10/28/24 10:26	1
Sodium	**15**		2.0		mg/L		10/24/24 16:30	10/28/24 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:37	1
Arsenic	**0.022**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:37	1
Barium	**0.026**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:37	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:37	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:37	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:37	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:37	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:37	1
Iron	ND		0.10		mg/L		10/25/24 17:59	10/26/24 18:37	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:37	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 18:37	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:37	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:37	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:37	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:37	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:37	1
Manganese	**0.033**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 04:34	1
Chloride (EPA 300.0)	**41**		1.5		mg/L			10/30/24 04:34	1
Sulfate (EPA 300.0)	**18**		1.5		mg/L			10/30/24 04:34	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:24	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 09:59	1

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-26
Lab Sample ID: 580-144789-8
Date Collected: 10/08/24 11:33
Matrix: Water
Date Received: 10/11/24 10:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	ND		1.0		mg/L			11/05/24 15:16	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**190**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**190**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**280**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-11
Date Collected: 10/08/24 12:40
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-9
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		ug/L			10/15/24 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 120*		*10/15/24 19:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 19:15*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 19:15*	*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		ug/L			10/16/24 17:01	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 17:01	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 17:01	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 17:01	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 17:01	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 17:01	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 17:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 17:01	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 17:01	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 17:01	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 17:01	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 17:01	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 17:01	1
2-Butanone	ND		10		ug/L			10/16/24 17:01	1
2-Hexanone	ND		3.0		ug/L			10/16/24 17:01	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 17:01	1
Acetone	ND		10		ug/L			10/16/24 17:01	1
Acrylonitrile	ND		10		ug/L			10/16/24 17:01	1
Benzene	ND		0.20		ug/L			10/16/24 17:01	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 17:01	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 17:01	1
Bromoform	ND		0.50		ug/L			10/16/24 17:01	1
Bromomethane	ND		0.50		ug/L			10/16/24 17:01	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 17:01	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 17:01	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 17:01	1
Chloroethane	ND		0.50		ug/L			10/16/24 17:01	1
Chloroform	ND		0.20		ug/L			10/16/24 17:01	1
Chloromethane	ND		0.50		ug/L			10/16/24 17:01	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 17:01	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 17:01	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 17:01	1
Dibromomethane	ND		0.20		ug/L			10/16/24 17:01	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 17:01	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 17:01	1
Methyl iodide	ND		1.0		ug/L			10/16/24 17:01	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 17:01	1
o-Xylene	ND		0.50		ug/L			10/16/24 17:01	1
Styrene	ND		1.0		ug/L			10/16/24 17:01	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 17:01	1

Client Sample ID: 1024-11

Date Collected: 10/08/24 12:40
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-9

Matrix: Water

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		ug/L			10/16/24 17:01	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 17:01	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 17:01	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 17:01	1
Trichloroethene	ND		0.20		ug/L			10/16/24 17:01	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 17:01	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/16/24 17:01*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 17:01*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/24 17:01*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 17:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		2.0		mg/L		10/24/24 16:30	10/28/24 10:28	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:28	1
Magnesium	**86**		0.50		mg/L		10/24/24 16:30	10/28/24 10:28	1
Manganese	**0.13**		0.050		mg/L		10/24/24 16:30	10/28/24 10:28	1
Potassium	**9.8**		2.0		mg/L		10/24/24 16:30	10/28/24 10:28	1
Sodium	**45**		2.0		mg/L		10/24/24 16:30	10/28/24 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:44	1
Arsenic	**0.0029**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:44	1
Barium	**0.078**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:44	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:44	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:44	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:44	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:44	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:44	1
Iron	ND		0.10		mg/L		10/25/24 17:59	10/26/24 18:44	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:44	1
Nickel	**0.0066**		0.0030		mg/L		10/25/24 17:59	10/26/24 18:44	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:44	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:44	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:44	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:44	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:44	1
Manganese	**0.097**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 04:46	1
Chloride (EPA 300.0)	**86**		1.5		mg/L			10/30/24 04:46	1
Sulfate (EPA 300.0)	**85**		1.5		mg/L			10/30/24 04:46	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:26	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/22/24 11:23	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-11
Date Collected: 10/08/24 12:40
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	**2.0**		1.5		mg/L			11/02/24 05:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**500**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**500**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**760**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-16

Date Collected: 10/08/24 13:54
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-10

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		ug/L			10/15/24 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 19:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 120*		*10/15/24 19:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 19:38*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 19:38*	*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		ug/L			10/16/24 17:24	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 17:24	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 17:24	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 17:24	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 17:24	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 17:24	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 17:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 17:24	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 17:24	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 17:24	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 17:24	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 17:24	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 17:24	1
2-Butanone	ND		10		ug/L			10/16/24 17:24	1
2-Hexanone	ND		3.0		ug/L			10/16/24 17:24	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 17:24	1
Acetone	ND		10		ug/L			10/16/24 17:24	1
Acrylonitrile	ND		10		ug/L			10/16/24 17:24	1
Benzene	ND		0.20		ug/L			10/16/24 17:24	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 17:24	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 17:24	1
Bromoform	ND		0.50		ug/L			10/16/24 17:24	1
Bromomethane	ND		0.50		ug/L			10/16/24 17:24	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 17:24	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 17:24	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 17:24	1
Chloroethane	ND		0.50		ug/L			10/16/24 17:24	1
Chloroform	ND		0.20		ug/L			10/16/24 17:24	1
Chloromethane	ND		0.50		ug/L			10/16/24 17:24	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 17:24	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 17:24	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 17:24	1
Dibromomethane	ND		0.20		ug/L			10/16/24 17:24	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 17:24	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 17:24	1
Methyl iodide	ND		1.0		ug/L			10/16/24 17:24	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 17:24	1
o-Xylene	ND		0.50		ug/L			10/16/24 17:24	1
Styrene	ND		1.0		ug/L			10/16/24 17:24	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 17:24	1

Client Sample ID: 1024-16
Date Collected: 10/08/24 13:54
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-10
Matrix: Water

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		ug/L			10/16/24 17:24	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 17:24	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 17:24	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 17:24	1
Trichloroethene	ND		0.20		ug/L			10/16/24 17:24	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 17:24	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/16/24 17:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/16/24 17:24*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/24 17:24*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/16/24 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		2.0		mg/L		10/24/24 16:30	10/28/24 10:30	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:30	1
Magnesium	**90**		0.50		mg/L		10/24/24 16:30	10/28/24 10:30	1
Manganese	**0.32**		0.050		mg/L		10/24/24 16:30	10/28/24 10:30	1
Potassium	**9.1**		2.0		mg/L		10/24/24 16:30	10/28/24 10:30	1
Sodium	**46**		2.0		mg/L		10/24/24 16:30	10/28/24 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 17:59	1
Arsenic	**0.0052**		0.0010		mg/L		10/25/24 17:59	10/26/24 17:59	1
Barium	**0.096**		0.0012		mg/L		10/25/24 17:59	10/26/24 17:59	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:59	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:59	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 17:59	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:59	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 17:59	1
Iron	**0.28**		0.10		mg/L		10/25/24 17:59	10/26/24 17:59	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:59	1
Nickel	**0.0076**		0.0030		mg/L		10/25/24 17:59	10/26/24 17:59	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 17:59	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:59	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 17:59	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 17:59	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 17:59	1
Manganese	**0.30**		0.0020		mg/L		10/25/24 17:59	10/26/24 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 05:58	1
Chloride (EPA 300.0)	**100**		15		mg/L			10/30/24 06:33	10
Sulfate (EPA 300.0)	**130**		15		mg/L			10/30/24 06:33	10
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:28	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/22/24 11:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-16
Date Collected: 10/08/24 13:54
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-10
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	14		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	3.1		1.5		mg/L			11/02/24 05:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	460		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	460		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	880		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-17

Date Collected: 10/08/24 14:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-11

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		ug/L			10/15/24 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/15/24 23:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 120*		*10/15/24 23:07*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 23:07*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 23:07*	*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		ug/L			10/16/24 17:47	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 17:47	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 17:47	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 17:47	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 17:47	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 17:47	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 17:47	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 17:47	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 17:47	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 17:47	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 17:47	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 17:47	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 17:47	1
2-Butanone	ND		10		ug/L			10/16/24 17:47	1
2-Hexanone	ND		3.0		ug/L			10/16/24 17:47	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 17:47	1
Acetone	ND		10		ug/L			10/16/24 17:47	1
Acrylonitrile	ND		10		ug/L			10/16/24 17:47	1
Benzene	ND		0.20		ug/L			10/16/24 17:47	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 17:47	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 17:47	1
Bromoform	ND		0.50		ug/L			10/16/24 17:47	1
Bromomethane	ND		0.50		ug/L			10/16/24 17:47	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 17:47	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 17:47	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 17:47	1
Chloroethane	ND		0.50		ug/L			10/16/24 17:47	1
Chloroform	ND		0.20		ug/L			10/16/24 17:47	1
Chloromethane	ND		0.50		ug/L			10/16/24 17:47	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 17:47	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 17:47	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 17:47	1
Dibromomethane	ND		0.20		ug/L			10/16/24 17:47	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 17:47	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 17:47	1
Methyl iodide	ND		1.0		ug/L			10/16/24 17:47	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 17:47	1
o-Xylene	ND		0.50		ug/L			10/16/24 17:47	1
Styrene	ND		1.0		ug/L			10/16/24 17:47	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 17:47	1

Client Sample ID: 1024-17
Date Collected: 10/08/24 14:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-11
Matrix: Water

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		ug/L			10/16/24 17:47	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 17:47	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 17:47	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 17:47	1
Trichloroethene	ND		0.20		ug/L			10/16/24 17:47	1
Trichlorofluoromethane	**0.66**		0.50		ug/L			10/16/24 17:47	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/16/24 17:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 17:47*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/24 17:47*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/16/24 17:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		2.0		mg/L		10/24/24 16:30	10/28/24 10:33	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:33	1
Magnesium	**68**		0.50		mg/L		10/24/24 16:30	10/28/24 10:33	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:33	1
Potassium	**8.1**		2.0		mg/L		10/24/24 16:30	10/28/24 10:33	1
Sodium	**40**		2.0		mg/L		10/24/24 16:30	10/28/24 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:10	1
Arsenic	**0.0026**		0.0010		mg/L		10/25/24 17:59	10/26/24 18:10	1
Barium	**0.025**		0.0012		mg/L		10/25/24 17:59	10/26/24 18:10	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:10	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:10	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 18:10	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:10	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 18:10	1
Iron	ND		0.10		mg/L		10/25/24 17:59	10/26/24 18:10	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:10	1
Nickel	**0.0042**		0.0030		mg/L		10/25/24 17:59	10/26/24 18:10	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 18:10	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 18:10	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 18:10	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 18:10	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 18:10	1
Manganese	**0.015**		0.0020		mg/L		10/25/24 17:59	10/26/24 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 07:09	1
Chloride (EPA 300.0)	**75**		1.5		mg/L			10/30/24 07:09	1
Sulfate (EPA 300.0)	**71**		1.5		mg/L			10/30/24 07:09	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:46	1
Nitrate Nitrite as N (EPA 353.2)	**4.2**		0.50		mg/L			10/22/24 11:27	5

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-17
Date Collected: 10/08/24 14:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-11
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1
Total Organic Carbon (SM 5310C)	**1.8**		1.5		mg/L			11/02/24 06:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**410**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**410**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**680**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-28

Date Collected: 10/08/24 14:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-12

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		ug/L			10/15/24 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/15/24 23:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 120*		*10/15/24 23:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 23:31*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/15/24 23:31*	*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		ug/L			10/16/24 18:10	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 18:10	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 18:10	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 18:10	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 18:10	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 18:10	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 18:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 18:10	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 18:10	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 18:10	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 18:10	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 18:10	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 18:10	1
2-Butanone	ND		10		ug/L			10/16/24 18:10	1
2-Hexanone	ND		3.0		ug/L			10/16/24 18:10	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 18:10	1
Acetone	ND		10		ug/L			10/16/24 18:10	1
Acrylonitrile	ND		10		ug/L			10/16/24 18:10	1
Benzene	ND		0.20		ug/L			10/16/24 18:10	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 18:10	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 18:10	1
Bromoform	ND		0.50		ug/L			10/16/24 18:10	1
Bromomethane	ND		0.50		ug/L			10/16/24 18:10	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 18:10	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 18:10	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 18:10	1
Chloroethane	ND		0.50		ug/L			10/16/24 18:10	1
Chloroform	ND		0.20		ug/L			10/16/24 18:10	1
Chloromethane	ND		0.50		ug/L			10/16/24 18:10	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 18:10	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 18:10	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 18:10	1
Dibromomethane	ND		0.20		ug/L			10/16/24 18:10	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 18:10	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 18:10	1
Methyl iodide	ND		1.0		ug/L			10/16/24 18:10	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 18:10	1
o-Xylene	ND		0.50		ug/L			10/16/24 18:10	1
Styrene	ND		1.0		ug/L			10/16/24 18:10	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 18:10	1

Client Sample ID: 1024-28
Date Collected: 10/08/24 14:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-12
Matrix: Water

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		ug/L			10/16/24 18:10	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 18:10	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 18:10	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 18:10	1
Trichloroethene	ND		0.20		ug/L			10/16/24 18:10	1
Trichlorofluoromethane	**0.64**		0.50		ug/L			10/16/24 18:10	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/16/24 18:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/16/24 18:10*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/24 18:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 18:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		2.0		mg/L		10/24/24 16:30	10/28/24 10:35	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:35	1
Magnesium	**68**		0.50		mg/L		10/24/24 16:30	10/28/24 10:35	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:35	1
Potassium	**8.1**		2.0		mg/L		10/24/24 16:30	10/28/24 10:35	1
Sodium	**40**		2.0		mg/L		10/24/24 16:30	10/28/24 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 17:42	1
Arsenic	**0.0029**		0.0010		mg/L		10/25/24 17:59	10/26/24 17:42	1
Barium	**0.027**		0.0012		mg/L		10/25/24 17:59	10/26/24 17:42	1
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:42	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:42	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 17:42	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:42	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 17:42	1
Iron	ND		0.10		mg/L		10/25/24 17:59	10/26/24 17:42	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:42	1
Nickel	**0.0046**		0.0030		mg/L		10/25/24 17:59	10/26/24 17:42	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 17:42	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:42	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 17:42	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 17:42	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 17:42	1
Manganese	**0.016**		0.0020		mg/L		10/25/24 17:59	10/26/24 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 07:45	1
Chloride (EPA 300.0)	**75**		1.5		mg/L			10/30/24 07:45	1
Sulfate (EPA 300.0)	**70**		1.5		mg/L			10/30/24 07:45	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:48	1
Nitrate Nitrite as N (EPA 353.2)	**8.1**		1.0		mg/L			10/22/24 11:53	10

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-28
Date Collected: 10/08/24 14:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-12
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND	F1	10		mg/L		10/29/24 14:06	10/29/24 17:02	1
Total Organic Carbon (SM 5310C)	**1.9**		1.5		mg/L			11/02/24 06:57	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**420**		7.0		mg/L			10/19/24 17:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**420**		7.0		mg/L			10/19/24 17:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/19/24 17:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/19/24 17:35	1
Total Dissolved Solids (SM 2540C)	**740**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-18

Date Collected: 10/08/24 15:42
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-13

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		ug/L			10/15/24 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 23:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 120*		*10/15/24 23:54*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/15/24 23:54*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 23:54*	*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		ug/L			10/16/24 18:34	1
1,1,1-Trichloroethane	**0.25**		0.20		ug/L			10/16/24 18:34	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 18:34	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 18:34	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 18:34	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 18:34	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 18:34	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 18:34	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 18:34	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 18:34	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 18:34	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 18:34	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 18:34	1
2-Butanone	ND		10		ug/L			10/16/24 18:34	1
2-Hexanone	ND		3.0		ug/L			10/16/24 18:34	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 18:34	1
Acetone	ND		10		ug/L			10/16/24 18:34	1
Acrylonitrile	ND		10		ug/L			10/16/24 18:34	1
Benzene	ND		0.20		ug/L			10/16/24 18:34	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 18:34	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 18:34	1
Bromoform	ND		0.50		ug/L			10/16/24 18:34	1
Bromomethane	ND		0.50		ug/L			10/16/24 18:34	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 18:34	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 18:34	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 18:34	1
Chloroethane	ND		0.50		ug/L			10/16/24 18:34	1
Chloroform	ND		0.20		ug/L			10/16/24 18:34	1
Chloromethane	ND		0.50		ug/L			10/16/24 18:34	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 18:34	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 18:34	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 18:34	1
Dibromomethane	ND		0.20		ug/L			10/16/24 18:34	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 18:34	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 18:34	1
Methyl iodide	ND		1.0		ug/L			10/16/24 18:34	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 18:34	1
o-Xylene	ND		0.50		ug/L			10/16/24 18:34	1
Styrene	ND		1.0		ug/L			10/16/24 18:34	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 18:34	1

Client Sample ID: 1024-18
Date Collected: 10/08/24 15:42
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-13
Matrix: Water

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		ug/L			10/16/24 18:34	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 18:34	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 18:34	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 18:34	1
Trichloroethene	ND		0.20		ug/L			10/16/24 18:34	1
Trichlorofluoromethane	**3.4**		0.50		ug/L			10/16/24 18:34	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*10/16/24 18:34*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/16/24 18:34*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/16/24 18:34*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/16/24 18:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		2.0		mg/L		10/24/24 16:30	10/28/24 10:37	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:37	1
Magnesium	**75**		0.50		mg/L		10/24/24 16:30	10/28/24 10:37	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:37	1
Potassium	**9.6**		2.0		mg/L		10/24/24 16:30	10/28/24 10:37	1
Sodium	**33**		2.0		mg/L		10/24/24 16:30	10/28/24 10:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 19:36	1
Arsenic	**0.0012**		0.0010		mg/L		10/26/24 12:30	10/28/24 19:36	1
Barium	**0.044**		0.0012		mg/L		10/26/24 12:30	10/28/24 19:36	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:36	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:36	1
Chromium	**0.033**		0.00080		mg/L		10/26/24 12:30	10/28/24 19:36	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:36	1
Copper	ND		0.0020		mg/L		10/26/24 12:30	10/28/24 19:36	1
Iron	ND		0.10		mg/L		10/26/24 12:30	10/28/24 19:36	1
Lead	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:36	1
Nickel	ND		0.0030		mg/L		10/26/24 12:30	10/28/24 19:36	1
Selenium	ND		0.0080		mg/L		10/26/24 12:30	10/28/24 19:36	1
Silver	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:36	1
Thallium	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 19:36	1
Vanadium	**0.0047**		0.0040		mg/L		10/26/24 12:30	10/28/24 19:36	1
Zinc	ND		0.0070		mg/L		10/26/24 12:30	10/28/24 19:36	1
Manganese	**0.011**		0.0050		mg/L		10/26/24 12:30	10/28/24 19:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 07:57	1
Chloride (EPA 300.0)	**22**		1.5		mg/L			10/30/24 07:57	1
Sulfate (EPA 300.0)	**53**		1.5		mg/L			10/30/24 07:57	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:50	1
Nitrate Nitrite as N (EPA 353.2)	**5.4**		0.50		mg/L			10/19/24 10:01	5

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-18
Date Collected: 10/08/24 15:42
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-13
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 07:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**620**		7.0		mg/L			10/22/24 13:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**620**		7.0		mg/L			10/22/24 13:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 13:32	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 13:32	1
Total Dissolved Solids (SM 2540C)	**740**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-10

Date Collected: 10/09/24 09:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-14

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		ug/L			10/16/24 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 00:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 120*		*10/16/24 00:17*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 00:17*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/16/24 00:17*	*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		ug/L			10/17/24 00:46	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 00:46	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 00:46	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 00:46	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 00:46	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 00:46	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 00:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 00:46	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 00:46	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 00:46	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 00:46	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 00:46	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 00:46	1
2-Butanone	ND		10		ug/L			10/17/24 00:46	1
2-Hexanone	ND		3.0		ug/L			10/17/24 00:46	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 00:46	1
Acetone	ND		10		ug/L			10/17/24 00:46	1
Acrylonitrile	ND		10		ug/L			10/17/24 00:46	1
Benzene	ND		0.20		ug/L			10/17/24 00:46	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 00:46	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 00:46	1
Bromoform	ND		0.50		ug/L			10/17/24 00:46	1
Bromomethane	ND		0.50		ug/L			10/17/24 00:46	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 00:46	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 00:46	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 00:46	1
Chloroethane	ND		0.50		ug/L			10/17/24 00:46	1
Chloroform	ND		0.20		ug/L			10/17/24 00:46	1
Chloromethane	ND		0.50		ug/L			10/17/24 00:46	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 00:46	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 00:46	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 00:46	1
Dibromomethane	ND		0.20		ug/L			10/17/24 00:46	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 00:46	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 00:46	1
Methyl iodide	ND		1.0		ug/L			10/17/24 00:46	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 00:46	1
o-Xylene	ND		0.50		ug/L			10/17/24 00:46	1
Styrene	ND		1.0		ug/L			10/17/24 00:46	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 00:46	1

Client Sample ID: 1024-10

Date Collected: 10/09/24 09:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-14

Matrix: Water

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		ug/L			10/17/24 00:46	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 00:46	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 00:46	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 00:46	1
Trichloroethene	ND		0.20		ug/L			10/17/24 00:46	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 00:46	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/17/24 00:46*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 00:46*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/17/24 00:46*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/17/24 00:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**58**		2.0		mg/L		10/24/24 16:30	10/28/24 10:40	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:40	1
Magnesium	**34**		0.50		mg/L		10/24/24 16:30	10/28/24 10:40	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:40	1
Potassium	**5.9**		2.0		mg/L		10/24/24 16:30	10/28/24 10:40	1
Sodium	**26**		2.0		mg/L		10/24/24 16:30	10/28/24 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 15:12	10/28/24 20:35	1
Arsenic	**0.0073**		0.0010		mg/L		10/26/24 15:12	10/28/24 20:35	1
Barium	**0.016**		0.0012		mg/L		10/26/24 15:12	10/28/24 20:35	1
Beryllium	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:35	1
Cadmium	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:35	1
Chromium	**0.0013**		0.00080		mg/L		10/26/24 15:12	10/28/24 20:35	1
Cobalt	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:35	1
Copper	ND		0.0020		mg/L		10/26/24 15:12	10/28/24 20:35	1
Iron	ND		0.10		mg/L		10/26/24 15:12	10/28/24 20:35	1
Lead	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:35	1
Nickel	ND		0.0030		mg/L		10/26/24 15:12	10/28/24 20:35	1
Selenium	ND		0.0080		mg/L		10/26/24 15:12	10/28/24 20:35	1
Silver	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:35	1
Thallium	ND		0.0010		mg/L		10/26/24 15:12	10/28/24 20:35	1
Vanadium	ND		0.0040		mg/L		10/26/24 15:12	10/28/24 20:35	1
Zinc	ND		0.0070		mg/L		10/26/24 15:12	10/28/24 20:35	1
Manganese	**0.011**		0.0050		mg/L		10/26/24 15:12	10/28/24 20:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 08:09	1
Chloride (EPA 300.0)	**37**		1.5		mg/L			10/30/24 08:09	1
Sulfate (EPA 300.0)	**38**		1.5		mg/L			10/30/24 08:09	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:52	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/22/24 12:59	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-10
Date Collected: 10/09/24 09:46
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-14
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 08:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**250**		7.0		mg/L			10/22/24 16:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**250**		7.0		mg/L			10/22/24 16:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 16:24	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 16:24	1
Total Dissolved Solids (SM 2540C)	**320**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-09

Date Collected: 10/09/24 10:36
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-15

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		ug/L			10/16/24 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/16/24 00:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 120*		*10/16/24 00:40*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 00:40*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/16/24 00:40*	*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		ug/L			10/17/24 01:09	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 01:09	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 01:09	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 01:09	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 01:09	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 01:09	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 01:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 01:09	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 01:09	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 01:09	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 01:09	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 01:09	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 01:09	1
2-Butanone	ND		10		ug/L			10/17/24 01:09	1
2-Hexanone	ND		3.0		ug/L			10/17/24 01:09	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 01:09	1
Acetone	ND		10		ug/L			10/17/24 01:09	1
Acrylonitrile	ND		10		ug/L			10/17/24 01:09	1
Benzene	ND		0.20		ug/L			10/17/24 01:09	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 01:09	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 01:09	1
Bromoform	ND		0.50		ug/L			10/17/24 01:09	1
Bromomethane	ND		0.50		ug/L			10/17/24 01:09	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 01:09	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 01:09	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 01:09	1
Chloroethane	ND		0.50		ug/L			10/17/24 01:09	1
Chloroform	ND		0.20		ug/L			10/17/24 01:09	1
Chloromethane	ND		0.50		ug/L			10/17/24 01:09	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 01:09	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 01:09	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 01:09	1
Dibromomethane	ND		0.20		ug/L			10/17/24 01:09	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 01:09	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 01:09	1
Methyl iodide	ND		1.0		ug/L			10/17/24 01:09	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 01:09	1
o-Xylene	ND		0.50		ug/L			10/17/24 01:09	1
Styrene	ND		1.0		ug/L			10/17/24 01:09	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 01:09	1

Client Sample ID: 1024-09

Date Collected: 10/09/24 10:36
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-15

Matrix: Water

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		ug/L			10/17/24 01:09	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 01:09	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 01:09	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 01:09	1
Trichloroethene	ND		0.20		ug/L			10/17/24 01:09	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 01:09	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*10/17/24 01:09*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/17/24 01:09*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/17/24 01:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 01:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		2.0		mg/L			10/31/24 17:07	1
Iron	ND		0.50		mg/L			10/31/24 17:07	1
Magnesium	**39**		0.50		mg/L			10/31/24 17:07	1
Manganese	ND		0.050		mg/L			10/31/24 17:07	1
Potassium	**5.9**		2.0		mg/L			10/31/24 17:07	1
Sodium	**21**		2.0		mg/L			10/31/24 17:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 15:12	10/28/24 20:38	1
Arsenic	**0.0023**		0.0010		mg/L		10/26/24 15:12	10/28/24 20:38	1
Barium	**0.037**		0.0012		mg/L		10/26/24 15:12	10/28/24 20:38	1
Beryllium	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:38	1
Cadmium	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:38	1
Chromium	**0.0045**		0.00080		mg/L		10/26/24 15:12	10/28/24 20:38	1
Cobalt	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:38	1
Copper	**0.0027**		0.0020		mg/L		10/26/24 15:12	10/28/24 20:38	1
Iron	ND		0.10		mg/L		10/26/24 15:12	10/28/24 20:38	1
Lead	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:38	1
Nickel	**0.0048**		0.0030		mg/L		10/26/24 15:12	10/28/24 20:38	1
Selenium	ND		0.0080		mg/L		10/26/24 15:12	10/28/24 20:38	1
Silver	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 20:38	1
Thallium	ND		0.0010		mg/L		10/26/24 15:12	10/28/24 20:38	1
Vanadium	**0.0050**		0.0040		mg/L		10/26/24 15:12	10/28/24 20:38	1
Zinc	ND		0.0070		mg/L		10/26/24 15:12	10/28/24 20:38	1
Manganese	ND		0.0050		mg/L		10/26/24 15:12	10/28/24 20:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 08:21	1
Chloride (EPA 300.0)	**26**		1.5		mg/L			10/30/24 08:21	1
Sulfate (EPA 300.0)	**180**	**F1**	7.5		mg/L			11/01/24 07:08	5
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:54	1
Nitrate Nitrite as N (EPA 353.2)	**5.5**		1.0		mg/L			10/22/24 16:46	10

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-09
Date Collected: 10/09/24 10:36
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-15
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 08:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**330**		7.0		mg/L			10/22/24 16:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**330**		7.0		mg/L			10/22/24 16:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 16:24	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 16:24	1
Total Dissolved Solids (SM 2540C)	**610**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-14

Date Collected: 10/09/24 12:54
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-16

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		ug/L			10/16/24 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/16/24 01:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 120*		*10/16/24 01:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 01:04*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 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		ug/L			10/17/24 01:32	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 01:32	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 01:32	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 01:32	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 01:32	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 01:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 01:32	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 01:32	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 01:32	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 01:32	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 01:32	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 01:32	1
2-Butanone	ND		10		ug/L			10/17/24 01:32	1
2-Hexanone	ND		3.0		ug/L			10/17/24 01:32	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 01:32	1
Acetone	ND		10		ug/L			10/17/24 01:32	1
Acrylonitrile	ND		10		ug/L			10/17/24 01:32	1
Benzene	ND		0.20		ug/L			10/17/24 01:32	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 01:32	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 01:32	1
Bromoform	ND		0.50		ug/L			10/17/24 01:32	1
Bromomethane	ND		0.50		ug/L			10/17/24 01:32	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 01:32	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 01:32	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 01:32	1
Chloroethane	ND		0.50		ug/L			10/17/24 01:32	1
Chloroform	ND		0.20		ug/L			10/17/24 01:32	1
Chloromethane	ND		0.50		ug/L			10/17/24 01:32	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 01:32	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 01:32	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 01:32	1
Dibromomethane	ND		0.20		ug/L			10/17/24 01:32	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 01:32	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 01:32	1
Methyl iodide	ND		1.0		ug/L			10/17/24 01:32	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 01:32	1
o-Xylene	ND		0.50		ug/L			10/17/24 01:32	1
Styrene	ND		1.0		ug/L			10/17/24 01:32	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 01:32	1
Toluene	ND		0.20		ug/L			10/17/24 01:32	1

Client Sample ID: 1024-14
Date Collected: 10/09/24 12:54
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-16
Matrix: Water

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		ug/L			10/17/24 01:32	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 01:32	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 01:32	1
Trichloroethene	ND		0.20		ug/L			10/17/24 01:32	1
Trichlorofluoromethane	**3.8**		0.50		ug/L			10/17/24 01:32	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*10/17/24 01:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/17/24 01:32*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/17/24 01:32*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 01:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.42**		0.20		ug/L			10/17/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 120*		*10/17/24 18:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/17/24 18:30*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/17/24 18:30*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/17/24 18:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		2.0		mg/L		10/24/24 16:30	10/28/24 10:47	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:47	1
Magnesium	**63**		0.50		mg/L		10/24/24 16:30	10/28/24 10:47	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:47	1
Potassium	**5.9**		2.0		mg/L		10/24/24 16:30	10/28/24 10:47	1
Sodium	**26**		2.0		mg/L		10/24/24 16:30	10/28/24 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 19:43	1
Arsenic	**0.0020**		0.0010		mg/L		10/26/24 12:30	10/28/24 19:43	1
Barium	**0.027**		0.0012		mg/L		10/26/24 12:30	10/28/24 19:43	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:43	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:43	1
Chromium	**0.012**		0.00080		mg/L		10/26/24 12:30	10/28/24 19:43	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:43	1
Copper	ND		0.0020		mg/L		10/26/24 12:30	10/28/24 19:43	1
Iron	ND		0.10		mg/L		10/26/24 12:30	10/28/24 19:43	1
Lead	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:43	1
Nickel	**0.0034**		0.0030		mg/L		10/26/24 12:30	10/28/24 19:43	1
Selenium	ND		0.0080		mg/L		10/26/24 12:30	10/28/24 19:43	1
Silver	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:43	1
Thallium	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 19:43	1
Vanadium	**0.0043**		0.0040		mg/L		10/26/24 12:30	10/28/24 19:43	1
Zinc	ND		0.0070		mg/L		10/26/24 12:30	10/28/24 19:43	1
Manganese	ND		0.0050		mg/L		10/26/24 12:30	10/28/24 19:43	1

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-14
Lab Sample ID: 580-144789-16
Date Collected: 10/09/24 12:54
Matrix: Water
Date Received: 10/11/24 10:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 08:33	1
Chloride (EPA 300.0)	**58**		1.5		mg/L			10/30/24 08:33	1
Sulfate (EPA 300.0)	**67**		1.5		mg/L			10/30/24 08:33	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:55	1
Nitrate Nitrite as N (EPA 353.2)	**23**		2.0		mg/L			10/22/24 16:48	20
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1
Total Organic Carbon (SM 5310C)	**1.7**		1.5		mg/L			11/02/24 10:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**360**		7.0		mg/L			10/22/24 16:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**360**		7.0		mg/L			10/22/24 16:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 16:24	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 16:24	1
Total Dissolved Solids (SM 2540C)	**630**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-23

Date Collected: 10/09/24 14:00
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.077		0.020		ug/L			10/16/24 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 01:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 120*		*10/16/24 01:27*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 01:27*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/16/24 01:27*	*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		ug/L			10/17/24 01:55	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 01:55	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 01:55	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 01:55	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 01:55	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 01:55	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 01:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 01:55	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 01:55	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 01:55	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 01:55	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 01:55	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 01:55	1
2-Butanone	ND		10		ug/L			10/17/24 01:55	1
2-Hexanone	ND		3.0		ug/L			10/17/24 01:55	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 01:55	1
Acetone	ND		10		ug/L			10/17/24 01:55	1
Acrylonitrile	ND		10		ug/L			10/17/24 01:55	1
Benzene	ND		0.20		ug/L			10/17/24 01:55	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 01:55	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 01:55	1
Bromoform	ND		0.50		ug/L			10/17/24 01:55	1
Bromomethane	ND		0.50		ug/L			10/17/24 01:55	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 01:55	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 01:55	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 01:55	1
Chloroethane	ND		0.50		ug/L			10/17/24 01:55	1
Chloroform	ND		0.20		ug/L			10/17/24 01:55	1
Chloromethane	ND		0.50		ug/L			10/17/24 01:55	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 01:55	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 01:55	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 01:55	1
Dibromomethane	ND		0.20		ug/L			10/17/24 01:55	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 01:55	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 01:55	1
Methyl iodide	ND		1.0		ug/L			10/17/24 01:55	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 01:55	1
o-Xylene	ND		0.50		ug/L			10/17/24 01:55	1
Styrene	ND		1.0		ug/L			10/17/24 01:55	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 01:55	1

Client Sample ID: 1024-23

Date Collected: 10/09/24 14:00
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-17

Matrix: Water

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		ug/L			10/17/24 01:55	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 01:55	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 01:55	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 01:55	1
Trichloroethene	ND		0.20		ug/L			10/17/24 01:55	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 01:55	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/17/24 01:55*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 01:55*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/17/24 01:55*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/17/24 01:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		2.0		mg/L		10/24/24 16:30	10/28/24 10:50	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:50	1
Magnesium	**110**		0.50		mg/L		10/24/24 16:30	10/28/24 10:50	1
Manganese	**0.051**		0.050		mg/L		10/24/24 16:30	10/28/24 10:50	1
Potassium	**8.9**		2.0		mg/L		10/24/24 16:30	10/28/24 10:50	1
Sodium	**43**		2.0		mg/L		10/24/24 16:30	10/28/24 10:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 18:29	1
Arsenic	**0.0053**		0.0010		mg/L		10/26/24 12:30	10/28/24 18:29	1
Barium	**0.046**		0.0012		mg/L		10/26/24 12:30	10/28/24 18:29	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:29	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:29	1
Chromium	**0.00088**		0.00080		mg/L		10/26/24 12:30	10/28/24 18:29	1
Cobalt	**0.00094**		0.00040		mg/L		10/26/24 12:30	10/28/24 18:29	1
Copper	ND		0.0020		mg/L		10/26/24 12:30	10/28/24 18:29	1
Iron	**0.50**		0.10		mg/L		10/26/24 12:30	10/28/24 18:29	1
Lead	**0.00044**		0.00040		mg/L		10/26/24 12:30	10/28/24 18:29	1
Nickel	**0.0063**		0.0030		mg/L		10/26/24 12:30	10/28/24 18:29	1
Selenium	ND		0.0080		mg/L		10/26/24 12:30	10/28/24 18:29	1
Silver	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:29	1
Thallium	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 18:29	1
Vanadium	**0.0059**		0.0040		mg/L		10/26/24 12:30	10/28/24 18:29	1
Zinc	ND		0.0070		mg/L		10/26/24 12:30	10/28/24 18:29	1
Manganese	**0.054**		0.0050		mg/L		10/26/24 12:30	10/28/24 18:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 08:44	1
Chloride (EPA 300.0)	**110**		7.5		mg/L			11/01/24 07:43	5
Sulfate (EPA 300.0)	**120**		7.5		mg/L			11/01/24 07:43	5
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:57	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/22/24 18:58	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-23
Date Collected: 10/09/24 14:00
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-17
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 11:22	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**640**		7.0		mg/L			10/22/24 16:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**640**		7.0		mg/L			10/22/24 16:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 16:24	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 16:24	1
Total Dissolved Solids (SM 2540C)	**1100**		20		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-24
Lab Sample ID: 580-144789-18
Date Collected: 10/09/24 14:43
Matrix: Water
Date Received: 10/11/24 10:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	14		1.0		mg/L			10/25/24 10:44	10

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-20

Date Collected: 10/09/24 09:17
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-19

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		ug/L			10/16/24 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 01:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 120*		*10/16/24 01:50*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 01:50*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 01:50*	*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		ug/L			10/17/24 02:19	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 02:19	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 02:19	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 02:19	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 02:19	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 02:19	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 02:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 02:19	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 02:19	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 02:19	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 02:19	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 02:19	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 02:19	1
2-Butanone	ND		10		ug/L			10/17/24 02:19	1
2-Hexanone	ND		3.0		ug/L			10/17/24 02:19	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 02:19	1
Acetone	ND		10		ug/L			10/17/24 02:19	1
Acrylonitrile	ND		10		ug/L			10/17/24 02:19	1
Benzene	ND		0.20		ug/L			10/17/24 02:19	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 02:19	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 02:19	1
Bromoform	ND		0.50		ug/L			10/17/24 02:19	1
Bromomethane	ND		0.50		ug/L			10/17/24 02:19	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 02:19	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 02:19	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 02:19	1
Chloroethane	ND		0.50		ug/L			10/17/24 02:19	1
Chloroform	ND		0.20		ug/L			10/17/24 02:19	1
Chloromethane	ND		0.50		ug/L			10/17/24 02:19	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 02:19	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 02:19	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 02:19	1
Dibromomethane	ND		0.20		ug/L			10/17/24 02:19	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 02:19	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 02:19	1
Methyl iodide	ND		1.0		ug/L			10/17/24 02:19	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 02:19	1
o-Xylene	ND		0.50		ug/L			10/17/24 02:19	1
Styrene	ND		1.0		ug/L			10/17/24 02:19	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 02:19	1

Client Sample ID: 1024-20

Date Collected: 10/09/24 09:17
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-19

Matrix: Water

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		ug/L			10/17/24 02:19	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 02:19	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 02:19	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 02:19	1
Trichloroethene	ND		0.20		ug/L			10/17/24 02:19	1
Trichlorofluoromethane	**1.1**		0.50		ug/L			10/17/24 02:19	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/17/24 02:19*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/17/24 02:19*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/17/24 02:19*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 02:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		2.0		mg/L		10/24/24 16:30	10/28/24 10:52	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:52	1
Magnesium	**45**		0.50		mg/L		10/24/24 16:30	10/28/24 10:52	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:52	1
Potassium	**5.9**		2.0		mg/L		10/24/24 16:30	10/28/24 10:52	1
Sodium	**28**		2.0		mg/L		10/24/24 16:30	10/28/24 10:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 21:59	1
Arsenic	**0.0024**		0.0010		mg/L		10/26/24 12:52	10/28/24 21:59	1
Barium	**0.032**		0.0012		mg/L		10/26/24 12:52	10/28/24 21:59	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:59	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:59	1
Chromium	**0.0095**		0.00080		mg/L		10/26/24 12:52	10/28/24 21:59	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:59	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 21:59	1
Iron	ND		0.10		mg/L		10/26/24 12:52	10/28/24 21:59	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:59	1
Nickel	**0.0037**		0.0030		mg/L		10/26/24 12:52	10/28/24 21:59	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 21:59	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:59	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 21:59	1
Vanadium	**0.0054**		0.0040		mg/L		10/26/24 12:52	10/28/24 21:59	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 21:59	1
Manganese	ND		0.0050		mg/L		10/26/24 12:52	10/28/24 21:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 08:56	1
Chloride (EPA 300.0)	**31**		1.5		mg/L			10/30/24 08:56	1
Sulfate (EPA 300.0)	**43**		1.5		mg/L			10/30/24 08:56	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:59	1
Nitrate Nitrite as N (EPA 353.2)	**8.4**		1.0		mg/L			10/22/24 16:50	10

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-20
Date Collected: 10/09/24 09:17
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-19
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 12:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**420**		7.0		mg/L			10/22/24 16:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**420**		7.0		mg/L			10/22/24 16:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 16:24	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 16:24	1
Total Dissolved Solids (SM 2540C)	**590**		10		mg/L			10/15/24 15:25	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-19

Date Collected: 10/09/24 09:58
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-20

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		ug/L			10/16/24 02:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 02:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*68 - 120*		*10/16/24 02:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 02:13*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 02:13*	*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		ug/L			10/17/24 02:42	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 02:42	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 02:42	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 02:42	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 02:42	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 02:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 02:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 02:42	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 02:42	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 02:42	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 02:42	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 02:42	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 02:42	1
2-Butanone	ND		10		ug/L			10/17/24 02:42	1
2-Hexanone	ND		3.0		ug/L			10/17/24 02:42	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 02:42	1
Acetone	ND		10		ug/L			10/17/24 02:42	1
Acrylonitrile	ND		10		ug/L			10/17/24 02:42	1
Benzene	ND		0.20		ug/L			10/17/24 02:42	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 02:42	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 02:42	1
Bromoform	ND		0.50		ug/L			10/17/24 02:42	1
Bromomethane	ND		0.50		ug/L			10/17/24 02:42	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 02:42	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 02:42	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 02:42	1
Chloroethane	ND		0.50		ug/L			10/17/24 02:42	1
Chloroform	ND		0.20		ug/L			10/17/24 02:42	1
Chloromethane	ND		0.50		ug/L			10/17/24 02:42	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 02:42	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 02:42	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 02:42	1
Dibromomethane	ND		0.20		ug/L			10/17/24 02:42	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 02:42	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 02:42	1
Methyl iodide	ND		1.0		ug/L			10/17/24 02:42	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 02:42	1
o-Xylene	ND		0.50		ug/L			10/17/24 02:42	1
Styrene	ND		1.0		ug/L			10/17/24 02:42	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 02:42	1

Client Sample ID: 1024-19

Date Collected: 10/09/24 09:58
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-20

Matrix: Water

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		ug/L			10/17/24 02:42	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 02:42	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 02:42	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 02:42	1
Trichloroethene	ND		0.20		ug/L			10/17/24 02:42	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 02:42	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*10/17/24 02:42*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/17/24 02:42*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/17/24 02:42*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 02:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**75**		2.0		mg/L		10/24/24 16:30	10/28/24 10:54	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:54	1
Magnesium	**27**		0.50		mg/L		10/24/24 16:30	10/28/24 10:54	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:54	1
Potassium	**6.2**		2.0		mg/L		10/24/24 16:30	10/28/24 10:54	1
Sodium	**22**		2.0		mg/L		10/24/24 16:30	10/28/24 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:02	1
Arsenic	**0.0080**		0.0010		mg/L		10/26/24 12:52	10/28/24 22:02	1
Barium	**0.029**		0.0012		mg/L		10/26/24 12:52	10/28/24 22:02	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:02	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:02	1
Chromium	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:02	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:02	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 22:02	1
Iron	**0.13**		0.10		mg/L		10/26/24 12:52	10/28/24 22:02	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:02	1
Nickel	ND		0.0030		mg/L		10/26/24 12:52	10/28/24 22:02	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 22:02	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:02	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 22:02	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:52	10/28/24 22:02	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 22:02	1
Manganese	**0.046**		0.0050		mg/L		10/26/24 12:52	10/28/24 22:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 09:08	1
Chloride (EPA 300.0)	**39**		1.5		mg/L			10/30/24 09:08	1
Sulfate (EPA 300.0)	**26**		1.5		mg/L			10/30/24 09:08	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:16	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/22/24 16:52	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-19
Date Collected: 10/09/24 09:58
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-20
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 12:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**260**		7.0		mg/L			10/22/24 16:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**260**		7.0		mg/L			10/22/24 16:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 16:24	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 16:24	1
Total Dissolved Solids (SM 2540C)	**320**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-29

Date Collected: 10/09/24 10:10
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-21

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		ug/L			10/16/24 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 02:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 120*		*10/16/24 02:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 02:37*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 02:37*	*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		ug/L			10/16/24 23:59	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 23:59	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 23:59	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 23:59	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 23:59	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 23:59	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 23:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 23:59	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 23:59	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 23:59	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 23:59	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 23:59	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 23:59	1
2-Butanone	ND		10		ug/L			10/16/24 23:59	1
2-Hexanone	ND		3.0		ug/L			10/16/24 23:59	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 23:59	1
Acetone	ND		10		ug/L			10/16/24 23:59	1
Acrylonitrile	ND		10		ug/L			10/16/24 23:59	1
Benzene	ND		0.20		ug/L			10/16/24 23:59	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 23:59	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 23:59	1
Bromoform	ND		0.50		ug/L			10/16/24 23:59	1
Bromomethane	ND		0.50		ug/L			10/16/24 23:59	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 23:59	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 23:59	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 23:59	1
Chloroethane	ND		0.50		ug/L			10/16/24 23:59	1
Chloroform	ND		0.20		ug/L			10/16/24 23:59	1
Chloromethane	ND		0.50		ug/L			10/16/24 23:59	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 23:59	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 23:59	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 23:59	1
Dibromomethane	ND		0.20		ug/L			10/16/24 23:59	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 23:59	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 23:59	1
Methyl iodide	ND		1.0		ug/L			10/16/24 23:59	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 23:59	1
o-Xylene	ND		0.50		ug/L			10/16/24 23:59	1
Styrene	ND		1.0		ug/L			10/16/24 23:59	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 23:59	1

Client Sample ID: 1024-29

Date Collected: 10/09/24 10:10
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-21

Matrix: Water

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		ug/L			10/16/24 23:59	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 23:59	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 23:59	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 23:59	1
Trichloroethene	ND		0.20		ug/L			10/16/24 23:59	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 23:59	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/16/24 23:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/16/24 23:59*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*10/16/24 23:59*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/16/24 23:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**74**		2.0		mg/L		10/24/24 16:30	10/28/24 10:57	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:57	1
Magnesium	**27**		0.50		mg/L		10/24/24 16:30	10/28/24 10:57	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 10:57	1
Potassium	**6.2**		2.0		mg/L		10/24/24 16:30	10/28/24 10:57	1
Sodium	**22**		2.0		mg/L		10/24/24 16:30	10/28/24 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 21:30	1
Arsenic	**0.0083**		0.0010		mg/L		10/26/24 12:52	10/28/24 21:30	1
Barium	**0.028**		0.0012		mg/L		10/26/24 12:52	10/28/24 21:30	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:30	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:30	1
Chromium	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 21:30	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:30	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 21:30	1
Iron	**0.13**		0.10		mg/L		10/26/24 12:52	10/28/24 21:30	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:30	1
Nickel	ND		0.0030		mg/L		10/26/24 12:52	10/28/24 21:30	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 21:30	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:30	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 21:30	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:52	10/28/24 21:30	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 21:30	1
Manganese	**0.047**		0.0050		mg/L		10/26/24 12:52	10/28/24 21:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 09:20	1
Chloride (EPA 300.0)	**38**		1.5		mg/L			10/30/24 09:20	1
Sulfate (EPA 300.0)	**25**		1.5		mg/L			10/30/24 09:20	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:17	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/22/24 16:58	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-29
Date Collected: 10/09/24 10:10
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-21
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			10/26/24 00:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**260**		7.0		mg/L			10/22/24 16:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**260**		7.0		mg/L			10/22/24 16:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/22/24 16:42	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/22/24 16:42	1
Total Dissolved Solids (SM 2540C)	**310**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-05

Date Collected: 10/09/24 10:59
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**0.88**		0.020		ug/L			10/16/24 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 03:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 120*		*10/16/24 03:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 125*		*10/16/24 03:00*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/16/24 03:00*	*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		ug/L			10/17/24 00:22	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 00:22	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 00:22	1
1,1-Dichloroethane	**2.6**		0.20		ug/L			10/17/24 00:22	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 00:22	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 00:22	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 00:22	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 00:22	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 00:22	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 00:22	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 00:22	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 00:22	1
2-Butanone	ND		10		ug/L			10/17/24 00:22	1
2-Hexanone	ND		3.0		ug/L			10/17/24 00:22	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 00:22	1
Acetone	ND		10		ug/L			10/17/24 00:22	1
Acrylonitrile	ND		10		ug/L			10/17/24 00:22	1
Benzene	ND		0.20		ug/L			10/17/24 00:22	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 00:22	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 00:22	1
Bromoform	ND		0.50		ug/L			10/17/24 00:22	1
Bromomethane	ND		0.50		ug/L			10/17/24 00:22	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 00:22	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 00:22	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 00:22	1
Chloroethane	ND		0.50		ug/L			10/17/24 00:22	1
Chloroform	ND		0.20		ug/L			10/17/24 00:22	1
Chloromethane	ND		0.50		ug/L			10/17/24 00:22	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 00:22	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 00:22	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 00:22	1
Dibromomethane	ND		0.20		ug/L			10/17/24 00:22	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 00:22	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 00:22	1
Methyl iodide	ND		1.0		ug/L			10/17/24 00:22	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 00:22	1
o-Xylene	ND		0.50		ug/L			10/17/24 00:22	1
Styrene	ND		1.0		ug/L			10/17/24 00:22	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 00:22	1
Toluene	**0.43**		0.20		ug/L			10/17/24 00:22	1

Client Sample ID: 1024-05

Date Collected: 10/09/24 10:59
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-22

Matrix: Water

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		ug/L			10/17/24 00:22	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 00:22	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 00:22	1
Trichloroethene	ND		0.20		ug/L			10/17/24 00:22	1
Trichlorofluoromethane	**80**		0.50		ug/L			10/17/24 00:22	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*10/17/24 00:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/17/24 00:22*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/17/24 00:22*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/17/24 00:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.48**		0.20		ug/L			10/17/24 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*10/17/24 18:53*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 18:53*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*10/17/24 18:53*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/17/24 18:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**250**		2.0		mg/L		10/24/24 16:30	10/28/24 10:59	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 10:59	1
Magnesium	**100**		0.50		mg/L		10/24/24 16:30	10/28/24 10:59	1
Manganese	**0.66**		0.050		mg/L		10/24/24 16:30	10/28/24 10:59	1
Potassium	**9.8**		2.0		mg/L		10/24/24 16:30	10/28/24 10:59	1
Sodium	**41**		2.0		mg/L		10/24/24 16:30	10/28/24 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 19:12	1
Arsenic	**0.0020**		0.0010		mg/L		10/26/24 12:30	10/28/24 19:12	1
Barium	**0.060**		0.0012		mg/L		10/26/24 12:30	10/28/24 19:12	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:12	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:12	1
Chromium	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 19:12	1
Cobalt	**0.0030**		0.00040		mg/L		10/26/24 12:30	10/28/24 19:12	1
Copper	**0.0029**		0.0020		mg/L		10/26/24 12:30	10/28/24 19:12	1
Iron	ND		0.10		mg/L		10/26/24 12:30	10/28/24 19:12	1
Lead	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:12	1
Nickel	**0.026**		0.0030		mg/L		10/26/24 12:30	10/28/24 19:12	1
Selenium	ND		0.0080		mg/L		10/26/24 12:30	10/28/24 19:12	1
Silver	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:12	1
Thallium	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 19:12	1
Vanadium	**0.0079**		0.0040		mg/L		10/26/24 12:30	10/28/24 19:12	1
Zinc	**0.011**		0.0070		mg/L		10/26/24 12:30	10/28/24 19:12	1
Manganese	**0.61**		0.0050		mg/L		10/26/24 12:30	10/28/24 19:12	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-05
Date Collected: 10/09/24 10:59
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-22
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 09:32	1
Chloride (EPA 300.0)	**37**		1.5		mg/L			10/30/24 09:32	1
Sulfate (EPA 300.0)	**130**		7.5		mg/L			11/01/24 07:55	5
Ammonia as N (EPA 350.1)	**0.082**		0.075		mg/L		10/24/24 10:02	10/24/24 13:19	1
Nitrate Nitrite as N (EPA 353.2)	**2.1**		0.10		mg/L			10/22/24 17:00	1
Chemical Oxygen Demand (SM 5220D)	**47**		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	**18**		1.5		mg/L			10/26/24 01:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**760**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**760**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**1200**		20		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-04
Date Collected: 10/09/24 11:50
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-23
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		ug/L			10/16/24 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 03:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*68 - 120*		*10/16/24 03:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 03:23*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 03:23*	*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		ug/L			10/17/24 03:29	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 03:29	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 03:29	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 03:29	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 03:29	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 03:29	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 03:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 03:29	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 03:29	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:29	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 03:29	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 03:29	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:29	1
2-Butanone	ND		10		ug/L			10/17/24 03:29	1
2-Hexanone	ND		3.0		ug/L			10/17/24 03:29	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 03:29	1
Acetone	ND		10		ug/L			10/17/24 03:29	1
Acrylonitrile	ND		10		ug/L			10/17/24 03:29	1
Benzene	ND		0.20		ug/L			10/17/24 03:29	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 03:29	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 03:29	1
Bromoform	ND		0.50		ug/L			10/17/24 03:29	1
Bromomethane	ND		0.50		ug/L			10/17/24 03:29	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 03:29	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 03:29	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 03:29	1
Chloroethane	ND		0.50		ug/L			10/17/24 03:29	1
Chloroform	ND		0.20		ug/L			10/17/24 03:29	1
Chloromethane	ND		0.50		ug/L			10/17/24 03:29	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 03:29	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:29	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 03:29	1
Dibromomethane	ND		0.20		ug/L			10/17/24 03:29	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 03:29	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 03:29	1
Methyl iodide	ND		1.0		ug/L			10/17/24 03:29	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 03:29	1
o-Xylene	ND		0.50		ug/L			10/17/24 03:29	1
Styrene	ND		1.0		ug/L			10/17/24 03:29	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 03:29	1

Client Sample ID: 1024-04

Date Collected: 10/09/24 11:50
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-23

Matrix: Water

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		ug/L			10/17/24 03:29	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 03:29	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:29	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 03:29	1
Trichloroethene	ND		0.20		ug/L			10/17/24 03:29	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 03:29	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/17/24 03:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 03:29*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/17/24 03:29*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 03:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**75**		2.0		mg/L		10/24/24 16:30	10/28/24 11:08	1
Iron	**1.8**		0.50		mg/L		10/24/24 16:30	10/28/24 11:08	1
Magnesium	**37**		0.50		mg/L		10/24/24 16:30	10/28/24 11:08	1
Manganese	**0.53**		0.050		mg/L		10/24/24 16:30	10/28/24 11:08	1
Potassium	**6.2**		2.0		mg/L		10/24/24 16:30	10/28/24 11:08	1
Sodium	**34**		2.0		mg/L		10/24/24 16:30	10/28/24 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:06	1
Arsenic	**0.0021**		0.0010		mg/L		10/26/24 12:52	10/28/24 22:06	1
Barium	**0.076**		0.0012		mg/L		10/26/24 12:52	10/28/24 22:06	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:06	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:06	1
Chromium	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:06	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:06	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 22:06	1
Iron	**1.9**		0.10		mg/L		10/26/24 12:52	10/28/24 22:06	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:06	1
Nickel	ND		0.0030		mg/L		10/26/24 12:52	10/28/24 22:06	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 22:06	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:06	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 22:06	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:52	10/28/24 22:06	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 22:06	1
Manganese	**0.53**		0.0050		mg/L		10/26/24 12:52	10/28/24 22:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 10:08	1
Chloride (EPA 300.0)	**17**		1.5		mg/L			10/30/24 10:08	1
Sulfate (EPA 300.0)	**27**		1.5		mg/L			10/30/24 10:08	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:21	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/22/24 17:02	1

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-04
Lab Sample ID: 580-144789-23
Date Collected: 10/09/24 11:50
Matrix: Water
Date Received: 10/11/24 10:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SM 5310 C-2014)	ND		1.0		mg/L			11/05/24 15:35	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**360**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**360**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**440**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-22

Date Collected: 10/09/24 12:48
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-24

Matrix: Water

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		ug/L			10/16/24 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 03:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*68 - 120*		*10/16/24 03:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 03:47*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 03:47*	*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		ug/L			10/17/24 03:05	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 03:05	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 03:05	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 03:05	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 03:05	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 03:05	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 03:05	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 03:05	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 03:05	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:05	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 03:05	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 03:05	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:05	1
2-Butanone	ND		10		ug/L			10/17/24 03:05	1
2-Hexanone	ND		3.0		ug/L			10/17/24 03:05	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 03:05	1
Acetone	ND		10		ug/L			10/17/24 03:05	1
Acrylonitrile	ND		10		ug/L			10/17/24 03:05	1
Benzene	ND		0.20		ug/L			10/17/24 03:05	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 03:05	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 03:05	1
Bromoform	ND		0.50		ug/L			10/17/24 03:05	1
Bromomethane	ND		0.50		ug/L			10/17/24 03:05	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 03:05	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 03:05	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 03:05	1
Chloroethane	ND		0.50		ug/L			10/17/24 03:05	1
Chloroform	ND		0.20		ug/L			10/17/24 03:05	1
Chloromethane	ND		0.50		ug/L			10/17/24 03:05	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 03:05	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:05	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 03:05	1
Dibromomethane	ND		0.20		ug/L			10/17/24 03:05	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 03:05	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 03:05	1
Methyl iodide	ND		1.0		ug/L			10/17/24 03:05	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 03:05	1
o-Xylene	ND		0.50		ug/L			10/17/24 03:05	1
Styrene	ND		1.0		ug/L			10/17/24 03:05	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 03:05	1

Client Sample ID: 1024-22
Date Collected: 10/09/24 12:48
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-24
Matrix: Water

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		ug/L			10/17/24 03:05	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 03:05	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:05	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 03:05	1
Trichloroethene	ND		0.20		ug/L			10/17/24 03:05	1
Trichlorofluoromethane	**3.1**		0.50		ug/L			10/17/24 03:05	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/17/24 03:05*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/17/24 03:05*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/17/24 03:05*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/17/24 03:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**130**		2.0		mg/L		10/24/24 16:30	10/28/24 11:23	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 11:23	1
Magnesium	**53**		0.50		mg/L		10/24/24 16:30	10/28/24 11:23	1
Manganese	**0.48**		0.050		mg/L		10/24/24 16:30	10/28/24 11:23	1
Potassium	**6.8**		2.0		mg/L		10/24/24 16:30	10/28/24 11:23	1
Sodium	**29**		2.0		mg/L		10/24/24 16:30	10/28/24 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:21	1
Arsenic	**0.0013**		0.0010		mg/L		10/26/24 12:52	10/28/24 22:21	1
Barium	**0.045**		0.0012		mg/L		10/26/24 12:52	10/28/24 22:21	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:21	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:21	1
Chromium	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:21	1
Cobalt	**0.00081**		0.00040		mg/L		10/26/24 12:52	10/28/24 22:21	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 22:21	1
Iron	ND		0.10		mg/L		10/26/24 12:52	10/28/24 22:21	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:21	1
Nickel	**0.0043**		0.0030		mg/L		10/26/24 12:52	10/28/24 22:21	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 22:21	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:21	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 22:21	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:52	10/28/24 22:21	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 22:21	1
Manganese	**0.47**		0.0050		mg/L		10/26/24 12:52	10/28/24 22:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 10:20	1
Chloride (EPA 300.0)	**20**		1.5		mg/L			10/30/24 10:20	1
Sulfate (EPA 300.0)	**42**		1.5		mg/L			10/30/24 10:20	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:23	1
Nitrate Nitrite as N (EPA 353.2)	**3.8**		0.10		mg/L			10/22/24 17:04	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-22
Date Collected: 10/09/24 12:48
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-24
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	ND		1.5		mg/L			11/02/24 19:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**500**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**500**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**440**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-21

Date Collected: 10/09/24 13:21
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**10**		0.020		ug/L			10/16/24 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/16/24 05:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*68 - 120*		*10/16/24 05:43*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 05:43*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/16/24 05:43*	*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		ug/L			10/17/24 03:52	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 03:52	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 03:52	1
1,1-Dichloroethane	**0.23**		0.20		ug/L			10/17/24 03:52	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 03:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 03:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 03:52	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 03:52	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:52	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 03:52	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 03:52	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:52	1
2-Butanone	ND		10		ug/L			10/17/24 03:52	1
2-Hexanone	ND		3.0		ug/L			10/17/24 03:52	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 03:52	1
Acetone	ND		10		ug/L			10/17/24 03:52	1
Acrylonitrile	ND		10		ug/L			10/17/24 03:52	1
Benzene	ND		0.20		ug/L			10/17/24 03:52	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 03:52	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 03:52	1
Bromoform	ND		0.50		ug/L			10/17/24 03:52	1
Bromomethane	ND		0.50		ug/L			10/17/24 03:52	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 03:52	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 03:52	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 03:52	1
Chloroethane	ND		0.50		ug/L			10/17/24 03:52	1
Chloroform	ND		0.20		ug/L			10/17/24 03:52	1
Chloromethane	ND		0.50		ug/L			10/17/24 03:52	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 03:52	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:52	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 03:52	1
Dibromomethane	ND		0.20		ug/L			10/17/24 03:52	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 03:52	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 03:52	1
Methyl iodide	ND		1.0		ug/L			10/17/24 03:52	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 03:52	1
o-Xylene	ND		0.50		ug/L			10/17/24 03:52	1
Styrene	ND		1.0		ug/L			10/17/24 03:52	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 03:52	1
Toluene	ND		0.20		ug/L			10/17/24 03:52	1

Client Sample ID: 1024-21
Date Collected: 10/09/24 13:21
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-25
Matrix: Water

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		ug/L			10/17/24 03:52	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:52	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 03:52	1
Trichloroethene	ND		0.20		ug/L			10/17/24 03:52	1
Trichlorofluoromethane	**2.9**		0.50		ug/L			10/17/24 03:52	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/17/24 03:52*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/17/24 03:52*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/17/24 03:52*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 03:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.48**		0.20		ug/L			10/17/24 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*10/17/24 20:03*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/17/24 20:03*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/17/24 20:03*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/17/24 20:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		2.0		mg/L			10/31/24 17:09	1
Iron	ND		0.50		mg/L			10/31/24 17:09	1
Magnesium	**76**		0.50		mg/L			10/31/24 17:09	1
Manganese	**0.054**		0.050		mg/L			10/31/24 17:09	1
Potassium	**8.0**		2.0		mg/L			10/31/24 17:09	1
Sodium	**32**		2.0		mg/L			10/31/24 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:16	1
Arsenic	**0.0017**		0.0010		mg/L		10/26/24 12:52	10/28/24 22:16	1
Barium	**0.034**		0.0012		mg/L		10/26/24 12:52	10/28/24 22:16	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:16	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:16	1
Chromium	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:16	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:16	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 22:16	1
Iron	ND		0.10		mg/L		10/26/24 12:52	10/28/24 22:16	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:16	1
Nickel	**0.0079**		0.0030		mg/L		10/26/24 12:52	10/28/24 22:16	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 22:16	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:16	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 22:16	1
Vanadium	**0.0053**		0.0040		mg/L		10/26/24 12:52	10/28/24 22:16	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 22:16	1
Manganese	**0.049**		0.0050		mg/L		10/26/24 12:52	10/28/24 22:16	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-21
Date Collected: 10/09/24 13:21
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-25
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 10:32	1
Chloride (EPA 300.0)	**44**		1.5		mg/L			10/30/24 10:32	1
Sulfate (EPA 300.0)	**92**		1.5		mg/L			10/30/24 10:32	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:25	1
Nitrate Nitrite as N (EPA 353.2)	**18**		2.0		mg/L			10/22/24 17:06	20
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	**1.9**		1.5		mg/L			11/02/24 22:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**520**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**520**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**830**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-15

Date Collected: 10/09/24 14:00
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-26

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		ug/L			10/16/24 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 04:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*68 - 120*		*10/16/24 04:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 04:10*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 04:10*	*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		ug/L			10/17/24 04:15	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 04:15	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 04:15	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 04:15	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 04:15	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 04:15	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 04:15	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 04:15	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 04:15	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 04:15	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 04:15	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 04:15	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 04:15	1
2-Butanone	ND		10		ug/L			10/17/24 04:15	1
2-Hexanone	ND		3.0		ug/L			10/17/24 04:15	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 04:15	1
Acetone	ND		10		ug/L			10/17/24 04:15	1
Acrylonitrile	ND		10		ug/L			10/17/24 04:15	1
Benzene	ND		0.20		ug/L			10/17/24 04:15	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 04:15	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 04:15	1
Bromoform	ND		0.50		ug/L			10/17/24 04:15	1
Bromomethane	ND		0.50		ug/L			10/17/24 04:15	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 04:15	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 04:15	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 04:15	1
Chloroethane	ND		0.50		ug/L			10/17/24 04:15	1
Chloroform	**1.5**		0.20		ug/L			10/17/24 04:15	1
Chloromethane	ND		0.50		ug/L			10/17/24 04:15	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 04:15	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 04:15	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 04:15	1
Dibromomethane	ND		0.20		ug/L			10/17/24 04:15	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 04:15	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 04:15	1
Methyl iodide	ND		1.0		ug/L			10/17/24 04:15	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 04:15	1
o-Xylene	ND		0.50		ug/L			10/17/24 04:15	1
Styrene	ND		1.0		ug/L			10/17/24 04:15	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 04:15	1

Client Sample ID: 1024-15
Date Collected: 10/09/24 14:00
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-26
Matrix: Water

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		ug/L			10/17/24 04:15	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 04:15	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 04:15	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 04:15	1
Trichloroethene	ND		0.20		ug/L			10/17/24 04:15	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 04:15	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*10/17/24 04:15*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 04:15*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/17/24 04:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 04:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**85**		2.0		mg/L		10/24/24 16:30	10/28/24 11:26	1
Iron	**0.61**		0.50		mg/L		10/24/24 16:30	10/28/24 11:26	1
Magnesium	**48**		0.50		mg/L		10/24/24 16:30	10/28/24 11:26	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 11:26	1
Potassium	**5.6**		2.0		mg/L		10/24/24 16:30	10/28/24 11:26	1
Sodium	**30**		2.0		mg/L		10/24/24 16:30	10/28/24 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 19:31	1
Arsenic	**0.0038**		0.0010		mg/L		10/26/24 12:30	10/28/24 19:31	1
Barium	**0.021**		0.0012		mg/L		10/26/24 12:30	10/28/24 19:31	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:31	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:31	1
Chromium	**0.0031**		0.00080		mg/L		10/26/24 12:30	10/28/24 19:31	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:31	1
Copper	ND		0.0020		mg/L		10/26/24 12:30	10/28/24 19:31	1
Iron	**0.23**		0.10		mg/L		10/26/24 12:30	10/28/24 19:31	1
Lead	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:31	1
Nickel	ND		0.0030		mg/L		10/26/24 12:30	10/28/24 19:31	1
Selenium	ND		0.0080		mg/L		10/26/24 12:30	10/28/24 19:31	1
Silver	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:31	1
Thallium	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 19:31	1
Vanadium	**0.0064**		0.0040		mg/L		10/26/24 12:30	10/28/24 19:31	1
Zinc	ND		0.0070		mg/L		10/26/24 12:30	10/28/24 19:31	1
Manganese	**0.0061**		0.0050		mg/L		10/26/24 12:30	10/28/24 19:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 10:44	1
Chloride (EPA 300.0)	**62**		1.5		mg/L			10/30/24 10:44	1
Sulfate (EPA 300.0)	**59**		1.5		mg/L			10/30/24 10:44	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:27	1
Nitrate Nitrite as N (EPA 353.2)	**0.29**		0.10		mg/L			10/19/24 10:03	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-15
Date Collected: 10/09/24 14:00
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-26
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	**2.0**		1.5		mg/L			11/02/24 22:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**310**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**310**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**510**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-25

Date Collected: 10/09/24 14:30
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-27

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		ug/L			10/16/24 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/16/24 04:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 120*		*10/16/24 04:33*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 125*		*10/16/24 04:33*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 04:33*	*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		ug/L			10/17/24 04:38	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 04:38	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 04:38	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 04:38	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 04:38	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 04:38	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 04:38	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 04:38	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 04:38	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 04:38	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 04:38	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 04:38	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 04:38	1
2-Butanone	ND		10		ug/L			10/17/24 04:38	1
2-Hexanone	ND		3.0		ug/L			10/17/24 04:38	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 04:38	1
Acetone	ND		10		ug/L			10/17/24 04:38	1
Acrylonitrile	ND		10		ug/L			10/17/24 04:38	1
Benzene	ND		0.20		ug/L			10/17/24 04:38	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 04:38	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 04:38	1
Bromoform	ND		0.50		ug/L			10/17/24 04:38	1
Bromomethane	ND		0.50		ug/L			10/17/24 04:38	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 04:38	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 04:38	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 04:38	1
Chloroethane	ND		0.50		ug/L			10/17/24 04:38	1
Chloroform	ND		0.20		ug/L			10/17/24 04:38	1
Chloromethane	ND		0.50		ug/L			10/17/24 04:38	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 04:38	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 04:38	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 04:38	1
Dibromomethane	ND		0.20		ug/L			10/17/24 04:38	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 04:38	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 04:38	1
Methyl iodide	ND		1.0		ug/L			10/17/24 04:38	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 04:38	1
o-Xylene	ND		0.50		ug/L			10/17/24 04:38	1
Styrene	ND		1.0		ug/L			10/17/24 04:38	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 04:38	1

Client Sample ID: 1024-25
Date Collected: 10/09/24 14:30
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-27
Matrix: Water

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		ug/L			10/17/24 04:38	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 04:38	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 04:38	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 04:38	1
Trichloroethene	ND		0.20		ug/L			10/17/24 04:38	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 04:38	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*10/17/24 04:38*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 04:38*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/17/24 04:38*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/17/24 04:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**81**		2.0		mg/L		10/24/24 16:30	10/28/24 11:28	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 11:28	1
Magnesium	**46**		0.50		mg/L		10/24/24 16:30	10/28/24 11:28	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 11:28	1
Potassium	**5.6**		2.0		mg/L		10/24/24 16:30	10/28/24 11:28	1
Sodium	**33**		2.0		mg/L		10/24/24 16:30	10/28/24 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:14	1
Arsenic	**0.0031**		0.0010		mg/L		10/26/24 12:52	10/28/24 22:14	1
Barium	**0.023**		0.0012		mg/L		10/26/24 12:52	10/28/24 22:14	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:14	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:14	1
Chromium	**0.0016**		0.00080		mg/L		10/26/24 12:52	10/28/24 22:14	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:14	1
Copper	**0.028**		0.0020		mg/L		10/26/24 12:52	10/28/24 22:14	1
Iron	ND		0.10		mg/L		10/26/24 12:52	10/28/24 22:14	1
Lead	**0.00040**		0.00040		mg/L		10/26/24 12:52	10/28/24 22:14	1
Nickel	ND		0.0030		mg/L		10/26/24 12:52	10/28/24 22:14	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 22:14	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:14	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 22:14	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:52	10/28/24 22:14	1
Zinc	**0.049**		0.0070		mg/L		10/26/24 12:52	10/28/24 22:14	1
Manganese	ND		0.0050		mg/L		10/26/24 12:52	10/28/24 22:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/30/24 10:56	1
Chloride (EPA 300.0)	**54**		1.5		mg/L			10/30/24 10:56	1
Sulfate (EPA 300.0)	**47**		1.5		mg/L			10/30/24 10:56	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:28	1
Nitrate Nitrite as N (EPA 353.2)	**1.8**		0.10		mg/L			10/19/24 10:09	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-25
Date Collected: 10/09/24 14:30
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-27
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	**1.7**		1.5		mg/L			11/02/24 23:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**330**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**330**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**420**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-12

Date Collected: 10/10/24 10:35
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-28

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		ug/L			10/16/24 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 04:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*68 - 120*		*10/16/24 04:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 04:56*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 04:56*	*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		ug/L			10/17/24 03:14	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 03:14	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 03:14	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 03:14	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 03:14	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 03:14	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 03:14	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 03:14	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 03:14	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:14	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 03:14	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 03:14	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:14	1
2-Butanone	ND		10		ug/L			10/17/24 03:14	1
2-Hexanone	ND		3.0		ug/L			10/17/24 03:14	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 03:14	1
Acrylonitrile	ND		10		ug/L			10/17/24 03:14	1
Benzene	ND		0.20		ug/L			10/17/24 03:14	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 03:14	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 03:14	1
Bromoform	ND		0.50		ug/L			10/17/24 03:14	1
Bromomethane	ND		0.50		ug/L			10/17/24 03:14	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 03:14	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 03:14	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 03:14	1
Chloroethane	ND		0.50		ug/L			10/17/24 03:14	1
Chloroform	ND		0.20		ug/L			10/17/24 03:14	1
Chloromethane	ND		0.50		ug/L			10/17/24 03:14	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 03:14	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:14	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 03:14	1
Dibromomethane	ND		0.20		ug/L			10/17/24 03:14	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 03:14	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 03:14	1
Methyl iodide	ND		1.0		ug/L			10/17/24 03:14	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 03:14	1
o-Xylene	ND		0.50		ug/L			10/17/24 03:14	1
Styrene	ND		1.0		ug/L			10/17/24 03:14	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 03:14	1
Toluene	ND		0.20		ug/L			10/17/24 03:14	1

Client Sample ID: 1024-12
Date Collected: 10/10/24 10:35
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-28
Matrix: Water

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		ug/L			10/17/24 03:14	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:14	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 03:14	1
Trichloroethene	ND		0.20		ug/L			10/17/24 03:14	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 03:14	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 120*		*10/17/24 03:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/17/24 03:14*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*10/17/24 03:14*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/17/24 03:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10		ug/L			10/17/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*10/17/24 19:17*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*10/17/24 19:17*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/17/24 19:17*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/17/24 19:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**74**		2.0		mg/L		10/24/24 16:30	10/28/24 11:30	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 11:30	1
Magnesium	**52**		0.50		mg/L		10/24/24 16:30	10/28/24 11:30	1
Manganese	**0.15**		0.050		mg/L		10/24/24 16:30	10/28/24 11:30	1
Potassium	**7.4**		2.0		mg/L		10/24/24 16:30	10/28/24 11:30	1
Sodium	**36**		2.0		mg/L		10/24/24 16:30	10/28/24 11:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 19:05	1
Arsenic	**0.0081**		0.0010		mg/L		10/26/24 12:30	10/28/24 19:05	1
Barium	**0.042**		0.0012		mg/L		10/26/24 12:30	10/28/24 19:05	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:05	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:05	1
Chromium	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 19:05	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:05	1
Copper	ND		0.0020		mg/L		10/26/24 12:30	10/28/24 19:05	1
Iron	**0.42**		0.10		mg/L		10/26/24 12:30	10/28/24 19:05	1
Lead	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:05	1
Nickel	ND		0.0030		mg/L		10/26/24 12:30	10/28/24 19:05	1
Selenium	ND		0.0080		mg/L		10/26/24 12:30	10/28/24 19:05	1
Silver	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 19:05	1
Thallium	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 19:05	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:30	10/28/24 19:05	1
Zinc	ND		0.0070		mg/L		10/26/24 12:30	10/28/24 19:05	1
Manganese	**0.14**		0.0050		mg/L		10/26/24 12:30	10/28/24 19:05	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-12
Date Collected: 10/10/24 10:35
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-28
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/12/24 21:47	1
Chloride (EPA 300.0)	**73**		1.5		mg/L			10/12/24 21:47	1
Sulfate (EPA 300.0)	**32**		1.5		mg/L			10/12/24 21:47	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:30	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 10:11	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	**2.2**		1.5		mg/L			11/03/24 01:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**340**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**340**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**490**		10		mg/L			10/16/24 15:06	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-13

Date Collected: 10/10/24 11:27
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-29

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		ug/L			10/16/24 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/16/24 05:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*114*		*68 - 120*		*10/16/24 05:20*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 125*		*10/16/24 05:20*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*10/16/24 05:20*	*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		ug/L			10/17/24 03:37	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 03:37	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 03:37	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 03:37	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 03:37	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 03:37	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 03:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 03:37	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 03:37	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:37	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 03:37	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 03:37	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 03:37	1
2-Butanone	ND		10		ug/L			10/17/24 03:37	1
2-Hexanone	ND		3.0		ug/L			10/17/24 03:37	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 03:37	1
Acrylonitrile	ND		10		ug/L			10/17/24 03:37	1
Benzene	ND		0.20		ug/L			10/17/24 03:37	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 03:37	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 03:37	1
Bromoform	ND		0.50		ug/L			10/17/24 03:37	1
Bromomethane	ND		0.50		ug/L			10/17/24 03:37	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 03:37	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 03:37	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 03:37	1
Chloroethane	ND		0.50		ug/L			10/17/24 03:37	1
Chloroform	ND		0.20		ug/L			10/17/24 03:37	1
Chloromethane	ND		0.50		ug/L			10/17/24 03:37	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 03:37	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:37	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 03:37	1
Dibromomethane	ND		0.20		ug/L			10/17/24 03:37	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 03:37	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 03:37	1
Methyl iodide	ND		1.0		ug/L			10/17/24 03:37	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 03:37	1
o-Xylene	ND		0.50		ug/L			10/17/24 03:37	1
Styrene	ND		1.0		ug/L			10/17/24 03:37	1
Tetrachloroethene	ND		0.50		ug/L			10/17/24 03:37	1
Toluene	ND		0.20		ug/L			10/17/24 03:37	1

Client Sample ID: 1024-13
Date Collected: 10/10/24 11:27
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-29
Matrix: Water

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		ug/L			10/17/24 03:37	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 03:37	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 03:37	1
Trichloroethene	ND		0.20		ug/L			10/17/24 03:37	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 03:37	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 120*		*10/17/24 03:37*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/17/24 03:37*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*10/17/24 03:37*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/17/24 03:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10		ug/L			10/17/24 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 120*		*10/17/24 19:40*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 19:40*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*10/17/24 19:40*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/17/24 19:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**79**		2.0		mg/L		10/24/24 16:30	10/28/24 11:32	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 11:32	1
Magnesium	**51**		0.50		mg/L		10/24/24 16:30	10/28/24 11:32	1
Manganese	**0.19**		0.050		mg/L		10/24/24 16:30	10/28/24 11:32	1
Potassium	**6.7**		2.0		mg/L		10/24/24 16:30	10/28/24 11:32	1
Sodium	**35**		2.0		mg/L		10/24/24 16:30	10/28/24 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:18	1
Arsenic	**0.0061**		0.0010		mg/L		10/26/24 12:52	10/28/24 22:18	1
Barium	**0.033**		0.0012		mg/L		10/26/24 12:52	10/28/24 22:18	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:18	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:18	1
Chromium	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 22:18	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:18	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 22:18	1
Iron	ND		0.10		mg/L		10/26/24 12:52	10/28/24 22:18	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:18	1
Nickel	ND		0.0030		mg/L		10/26/24 12:52	10/28/24 22:18	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 22:18	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 22:18	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 22:18	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:52	10/28/24 22:18	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 22:18	1
Manganese	**0.18**		0.0050		mg/L		10/26/24 12:52	10/28/24 22:18	1

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Client Sample ID: 1024-13
Date Collected: 10/10/24 11:27
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-29
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (EPA 300.0)	ND		0.45		mg/L			10/12/24 22:10	1
Chloride (EPA 300.0)	**58**		7.5		mg/L			10/12/24 22:46	5
Sulfate (EPA 300.0)	**29**		1.5		mg/L			10/12/24 22:10	1
Ammonia as N (EPA 350.1)	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:32	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.10		mg/L			10/19/24 10:13	1
Chemical Oxygen Demand (SM 5220D)	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1
Total Organic Carbon (SM 5310C)	**2.2**		1.5		mg/L			11/03/24 01:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	**350**		7.0		mg/L			10/23/24 12:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	**350**		7.0		mg/L			10/23/24 12:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		7.0		mg/L			10/23/24 12:35	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		5.0		mg/L			10/23/24 12:35	1
Total Dissolved Solids (SM 2540C)	**520**		10		mg/L			10/16/24 15:06	1

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

Lab Sample ID: MB 580-474880/7
Matrix: Water
Analysis Batch: 474880

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		ug/L			10/16/24 12:02	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 12:02	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 12:02	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 12:02	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 12:02	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 12:02	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 12:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 12:02	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 12:02	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 12:02	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 12:02	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 12:02	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 12:02	1
2-Butanone	ND		10		ug/L			10/16/24 12:02	1
2-Hexanone	ND		3.0		ug/L			10/16/24 12:02	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 12:02	1
Acetone	ND		10		ug/L			10/16/24 12:02	1
Acrylonitrile	ND		10		ug/L			10/16/24 12:02	1
Benzene	ND		0.20		ug/L			10/16/24 12:02	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 12:02	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 12:02	1
Bromoform	ND		0.50		ug/L			10/16/24 12:02	1
Bromomethane	ND		0.50		ug/L			10/16/24 12:02	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 12:02	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 12:02	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 12:02	1
Chloroethane	ND		0.50		ug/L			10/16/24 12:02	1
Chloroform	ND		0.20		ug/L			10/16/24 12:02	1
Chloromethane	ND		0.50		ug/L			10/16/24 12:02	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 12:02	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 12:02	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 12:02	1
Dibromomethane	ND		0.20		ug/L			10/16/24 12:02	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 12:02	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 12:02	1
Methyl iodide	ND		1.0		ug/L			10/16/24 12:02	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 12:02	1
o-Xylene	ND		0.50		ug/L			10/16/24 12:02	1
Styrene	ND		1.0		ug/L			10/16/24 12:02	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 12:02	1
Toluene	ND		0.20		ug/L			10/16/24 12:02	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 12:02	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 12:02	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 12:02	1
Trichloroethene	ND		0.20		ug/L			10/16/24 12:02	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 12:02	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 12:02	1

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

Lab Sample ID: MB 580-474880/7
Matrix: Water
Analysis Batch: 474880

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		10/16/24 12:02	1
4-Bromofluorobenzene (Surr)	102		80 - 120		10/16/24 12:02	1
Dibromofluoromethane (Surr)	102		80 - 120		10/16/24 12:02	1
Toluene-d8 (Surr)	97		80 - 120		10/16/24 12:02	1

Lab Sample ID: LCS 580-474880/4
Matrix: Water
Analysis Batch: 474880

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	5.12		ug/L		102	69 - 127
1,1,1-Trichloroethane	5.00	5.32		ug/L		106	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.12		ug/L		102	67 - 136
1,1,2-Trichloroethane	5.00	5.15		ug/L		103	73 - 127
1,1-Dichloroethane	5.00	5.16		ug/L		103	74 - 120
1,1-Dichloroethene	5.00	4.84		ug/L		97	60 - 129
1,2,3-Trichloropropane	5.00	5.05		ug/L		101	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.64		ug/L		93	55 - 135
1,2-Dibromoethane	5.00	5.06		ug/L		101	61 - 143
1,2-Dichlorobenzene	5.00	5.01		ug/L		100	72 - 129
1,2-Dichloroethane	5.00	5.25		ug/L		105	74 - 127
1,2-Dichloropropane	5.00	5.21		ug/L		104	69 - 130
1,4-Dichlorobenzene	5.00	4.78		ug/L		96	71 - 129
2-Butanone	25.0	27.3		ug/L		109	37 - 150
2-Hexanone	25.0	25.8		ug/L		103	56 - 150
4-Methyl-2-pentanone	25.0	24.9		ug/L		99	63 - 137
Acetone	25.0	23.6		ug/L		94	49 - 150
Acrylonitrile	50.0	53.8		ug/L		108	50 - 145
Benzene	5.00	4.92		ug/L		98	80 - 120
Bromochloromethane	5.00	5.43		ug/L		109	79 - 121
Bromodichloromethane	5.00	5.40		ug/L		108	74 - 131
Bromoform	5.00	4.59		ug/L		92	48 - 127
Bromomethane	5.00	5.52		ug/L		110	51 - 148
Carbon disulfide	5.00	5.02		ug/L		100	54 - 142
Carbon tetrachloride	5.00	5.31		ug/L		106	66 - 130
Chlorobenzene	5.00	4.86		ug/L		97	74 - 123
Chloroethane	5.00	4.79		ug/L		96	54 - 140
Chloroform	5.00	5.24		ug/L		105	75 - 120
Chloromethane	5.00	5.34		ug/L		107	32 - 150
cis-1,2-Dichloroethene	5.00	5.06		ug/L		101	72 - 120
cis-1,3-Dichloropropene	5.00	4.54		ug/L		91	77 - 131
Dibromochloromethane	5.00	4.94		ug/L		99	62 - 141
Dibromomethane	5.00	5.61		ug/L		112	65 - 141
Ethylbenzene	5.00	4.94		ug/L		99	80 - 124
m,p-Xylene	5.00	4.82		ug/L		96	75 - 124
Methyl iodide	5.00	5.40		ug/L		108	60 - 128
Methylene Chloride	5.00	4.56	J	ug/L		91	40 - 142
o-Xylene	5.00	5.01		ug/L		100	71 - 124

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

Lab Sample ID: LCS 580-474880/4
Matrix: Water
Analysis Batch: 474880

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	5.09		ug/L		102	74 - 127		
Tetrachloroethene			5.00	4.95		ug/L		99	75 - 124		
Toluene			5.00	4.68		ug/L		94	80 - 126		
trans-1,2-Dichloroethene			5.00	5.07		ug/L		101	69 - 121		
trans-1,3-Dichloropropene			5.00	4.61		ug/L		92	71 - 138		
trans-1,4-Dichloro-2-butene			5.00	5.05		ug/L		101	20 - 150		
Trichloroethene			5.00	5.10		ug/L		102	72 - 120		
Trichlorofluoromethane			5.00	5.65		ug/L		113	60 - 132		
Vinyl acetate			12.5	13.5		ug/L		108	38 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 580-474880/5
Matrix: Water
Analysis Batch: 474880

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	5.43		ug/L		109	69 - 127	6	22
1,1,1-Trichloroethane			5.00	5.51		ug/L		110	70 - 121	3	24
1,1,2,2-Tetrachloroethane			5.00	5.10		ug/L		102	67 - 136	0	24
1,1,2-Trichloroethane			5.00	5.38		ug/L		108	73 - 127	4	22
1,1-Dichloroethane			5.00	5.34		ug/L		107	74 - 120	3	26
1,1-Dichloroethene			5.00	4.92		ug/L		98	60 - 129	2	29
1,2,3-Trichloropropane			5.00	4.95		ug/L		99	67 - 135	2	25
1,2-Dibromo-3-Chloropropane			5.00	4.71		ug/L		94	55 - 135	1	29
1,2-Dibromoethane			5.00	5.32		ug/L		106	61 - 143	5	22
1,2-Dichlorobenzene			5.00	5.06		ug/L		101	72 - 129	1	22
1,2-Dichloroethane			5.00	5.12		ug/L		102	74 - 127	2	21
1,2-Dichloropropane			5.00	5.48		ug/L		110	69 - 130	5	22
1,4-Dichlorobenzene			5.00	4.99		ug/L		100	71 - 129	4	22
2-Butanone			25.0	27.0		ug/L		108	37 - 150	1	35
2-Hexanone			25.0	25.9		ug/L		104	56 - 150	1	29
4-Methyl-2-pentanone			25.0	24.9		ug/L		100	63 - 137	0	26
Acetone			25.0	23.9		ug/L		96	49 - 150	1	24
Acrylonitrile			50.0	54.9		ug/L		110	50 - 145	2	33
Benzene			5.00	5.14		ug/L		103	80 - 120	4	22
Bromochloromethane			5.00	5.42		ug/L		108	79 - 121	0	20
Bromodichloromethane			5.00	5.43		ug/L		109	74 - 131	1	21
Bromoform			5.00	4.80		ug/L		96	48 - 127	4	23
Bromomethane			5.00	5.42		ug/L		108	51 - 148	2	35
Carbon disulfide			5.00	5.09		ug/L		102	54 - 142	1	34
Carbon tetrachloride			5.00	5.45		ug/L		109	66 - 130	3	24
Chlorobenzene			5.00	5.10		ug/L		102	74 - 123	5	21
Chloroethane			5.00	5.02		ug/L		100	54 - 140	5	33

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

Lab Sample ID: LCSD 580-474880/5
Matrix: Water
Analysis Batch: 474880

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	5.43		ug/L		109	75 - 120	4	21
Chloromethane			5.00	5.64		ug/L		113	32 - 150	5	33
cis-1,2-Dichloroethene			5.00	5.30		ug/L		106	72 - 120	5	22
cis-1,3-Dichloropropene			5.00	4.78		ug/L		96	77 - 131	5	24
Dibromochloromethane			5.00	5.07		ug/L		101	62 - 141	3	22
Dibromomethane			5.00	5.45		ug/L		109	65 - 141	3	22
Ethylbenzene			5.00	5.21		ug/L		104	80 - 124	5	22
m,p-Xylene			5.00	5.19		ug/L		104	75 - 124	8	22
Methyl iodide			5.00	5.47		ug/L		109	60 - 128	1	39
Methylene Chloride			5.00	4.92	J	ug/L		98	40 - 142	8	25
o-Xylene			5.00	5.23		ug/L		105	71 - 124	4	23
Styrene			5.00	5.32		ug/L		106	74 - 127	5	22
Tetrachloroethene			5.00	5.06		ug/L		101	75 - 124	2	20
Toluene			5.00	4.92		ug/L		98	80 - 126	5	20
trans-1,2-Dichloroethene			5.00	5.14		ug/L		103	69 - 121	1	27
trans-1,3-Dichloropropene			5.00	4.85		ug/L		97	71 - 138	5	26
trans-1,4-Dichloro-2-butene			5.00	5.32		ug/L		106	20 - 150	5	35
Trichloroethene			5.00	5.21		ug/L		104	72 - 120	2	22
Trichlorofluoromethane			5.00	5.72		ug/L		114	60 - 132	1	32
Vinyl acetate			12.5	13.8		ug/L		110	38 - 150	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 580-474999/7
Matrix: Water
Analysis Batch: 474999

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		ug/L			10/16/24 23:13	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/16/24 23:13	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/16/24 23:13	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/16/24 23:13	1
1,1-Dichloroethane	ND		0.20		ug/L			10/16/24 23:13	1
1,1-Dichloroethene	ND		0.20		ug/L			10/16/24 23:13	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/16/24 23:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/16/24 23:13	1
1,2-Dibromoethane	ND		0.15		ug/L			10/16/24 23:13	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/16/24 23:13	1
1,2-Dichloroethane	ND		0.25		ug/L			10/16/24 23:13	1
1,2-Dichloropropane	ND		0.20		ug/L			10/16/24 23:13	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/16/24 23:13	1
2-Butanone	ND		10		ug/L			10/16/24 23:13	1
2-Hexanone	ND		3.0		ug/L			10/16/24 23:13	1
4-Methyl-2-pentanone	ND		10		ug/L			10/16/24 23:13	1

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

Lab Sample ID: MB 580-474999/7
Matrix: Water
Analysis Batch: 474999

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		ug/L			10/16/24 23:13	1
Acrylonitrile	ND		10		ug/L			10/16/24 23:13	1
Benzene	ND		0.20		ug/L			10/16/24 23:13	1
Bromochloromethane	ND		0.20		ug/L			10/16/24 23:13	1
Bromodichloromethane	ND		0.20		ug/L			10/16/24 23:13	1
Bromoform	ND		0.50		ug/L			10/16/24 23:13	1
Bromomethane	ND		0.50		ug/L			10/16/24 23:13	1
Carbon disulfide	ND		0.40		ug/L			10/16/24 23:13	1
Carbon tetrachloride	ND		0.20		ug/L			10/16/24 23:13	1
Chlorobenzene	ND		0.20		ug/L			10/16/24 23:13	1
Chloroethane	ND		0.50		ug/L			10/16/24 23:13	1
Chloroform	ND		0.20		ug/L			10/16/24 23:13	1
Chloromethane	ND		0.50		ug/L			10/16/24 23:13	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 23:13	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 23:13	1
Dibromochloromethane	ND		0.20		ug/L			10/16/24 23:13	1
Dibromomethane	ND		0.20		ug/L			10/16/24 23:13	1
Ethylbenzene	ND		0.20		ug/L			10/16/24 23:13	1
m,p-Xylene	ND		0.50		ug/L			10/16/24 23:13	1
Methyl iodide	ND		1.0		ug/L			10/16/24 23:13	1
Methylene Chloride	ND		5.0		ug/L			10/16/24 23:13	1
o-Xylene	ND		0.50		ug/L			10/16/24 23:13	1
Styrene	ND		1.0		ug/L			10/16/24 23:13	1
Tetrachloroethene	ND		0.50		ug/L			10/16/24 23:13	1
Toluene	ND		0.20		ug/L			10/16/24 23:13	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/16/24 23:13	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/16/24 23:13	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/16/24 23:13	1
Trichloroethene	ND		0.20		ug/L			10/16/24 23:13	1
Trichlorofluoromethane	ND		0.50		ug/L			10/16/24 23:13	1
Vinyl acetate	ND		2.0		ug/L			10/16/24 23:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*10/16/24 23:13*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*10/16/24 23:13*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/16/24 23:13*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/16/24 23:13*	*1*

Lab Sample ID: LCS 580-474999/4
Matrix: Water
Analysis Batch: 474999

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	5.24		ug/L		105	69 - 127
1,1,1-Trichloroethane	5.00	5.19		ug/L		104	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.87		ug/L		97	67 - 136
1,1,2-Trichloroethane	5.00	5.21		ug/L		104	73 - 127
1,1-Dichloroethane	5.00	5.20		ug/L		104	74 - 120

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

Lab Sample ID: LCS 580-474999/4
Matrix: Water
Analysis Batch: 474999

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	4.68		ug/L		94	60 - 129
1,2,3-Trichloropropane	5.00	4.73		ug/L		95	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.34		ug/L		87	55 - 135
1,2-Dibromoethane	5.00	5.05		ug/L		101	61 - 143
1,2-Dichlorobenzene	5.00	4.83		ug/L		97	72 - 129
1,2-Dichloroethane	5.00	5.36		ug/L		107	74 - 127
1,2-Dichloropropane	5.00	5.07		ug/L		101	69 - 130
1,4-Dichlorobenzene	5.00	4.65		ug/L		93	71 - 129
2-Butanone	25.0	25.7		ug/L		103	37 - 150
2-Hexanone	25.0	24.5		ug/L		98	56 - 150
4-Methyl-2-pentanone	25.0	23.8		ug/L		95	63 - 137
Acetone	25.0	23.2		ug/L		93	49 - 150
Acrylonitrile	50.0	53.6		ug/L		107	50 - 145
Benzene	5.00	4.99		ug/L		100	80 - 120
Bromochloromethane	5.00	5.49		ug/L		110	79 - 121
Bromodichloromethane	5.00	5.23		ug/L		105	74 - 131
Bromoform	5.00	4.42		ug/L		88	48 - 127
Bromomethane	5.00	5.52		ug/L		110	51 - 148
Carbon disulfide	5.00	4.78		ug/L		96	54 - 142
Carbon tetrachloride	5.00	5.19		ug/L		104	66 - 130
Chlorobenzene	5.00	4.76		ug/L		95	74 - 123
Chloroethane	5.00	4.90		ug/L		98	54 - 140
Chloroform	5.00	5.36		ug/L		107	75 - 120
Chloromethane	5.00	5.17		ug/L		103	32 - 150
cis-1,2-Dichloroethene	5.00	5.25		ug/L		105	72 - 120
cis-1,3-Dichloropropene	5.00	4.33		ug/L		87	77 - 131
Dibromochloromethane	5.00	4.66		ug/L		93	62 - 141
Dibromomethane	5.00	5.69		ug/L		114	65 - 141
Ethylbenzene	5.00	4.88		ug/L		98	80 - 124
m,p-Xylene	5.00	4.77		ug/L		95	75 - 124
Methyl iodide	5.00	5.46		ug/L		109	60 - 128
Methylene Chloride	5.00	3.48	J	ug/L		70	40 - 142
o-Xylene	5.00	4.90		ug/L		98	71 - 124
Styrene	5.00	5.05		ug/L		101	74 - 127
Tetrachloroethene	5.00	4.58		ug/L		92	75 - 124
Toluene	5.00	4.63		ug/L		93	80 - 126
trans-1,2-Dichloroethene	5.00	5.04		ug/L		101	69 - 121
trans-1,3-Dichloropropene	5.00	4.54		ug/L		91	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.85		ug/L		97	20 - 150
Trichloroethene	5.00	5.09		ug/L		102	72 - 120
Trichlorofluoromethane	5.00	5.19		ug/L		104	60 - 132
Vinyl acetate	12.5	13.5		ug/L		108	38 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: LCSD 580-474999/5
Matrix: Water
Analysis Batch: 474999

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	5.19		ug/L		104	69 - 127	1	22
1,1,1-Trichloroethane			5.00	5.14		ug/L		103	70 - 121	1	24
1,1,2,2-Tetrachloroethane			5.00	5.05		ug/L		101	67 - 136	4	24
1,1,2-Trichloroethane			5.00	5.09		ug/L		102	73 - 127	2	22
1,1-Dichloroethane			5.00	5.03		ug/L		101	74 - 120	3	26
1,1-Dichloroethene			5.00	4.63		ug/L		93	60 - 129	1	29
1,2,3-Trichloropropane			5.00	4.65		ug/L		93	67 - 135	2	25
1,2-Dibromo-3-Chloropropane			5.00	4.58		ug/L		92	55 - 135	6	29
1,2-Dibromoethane			5.00	5.05		ug/L		101	61 - 143	0	22
1,2-Dichlorobenzene			5.00	4.78		ug/L		96	72 - 129	1	22
1,2-Dichloroethane			5.00	5.21		ug/L		104	74 - 127	3	21
1,2-Dichloropropane			5.00	4.99		ug/L		100	69 - 130	2	22
1,4-Dichlorobenzene			5.00	4.67		ug/L		93	71 - 129	0	22
2-Butanone			25.0	27.6		ug/L		110	37 - 150	7	35
2-Hexanone			25.0	26.3		ug/L		105	56 - 150	7	29
4-Methyl-2-pentanone			25.0	25.2		ug/L		101	63 - 137	5	26
Acetone			25.0	25.9		ug/L		104	49 - 150	11	24
Acrylonitrile			50.0	56.7		ug/L		113	50 - 145	6	33
Benzene			5.00	4.88		ug/L		98	80 - 120	2	22
Bromochloromethane			5.00	5.64		ug/L		113	79 - 121	3	20
Bromodichloromethane			5.00	5.35		ug/L		107	74 - 131	2	21
Bromoform			5.00	4.51		ug/L		90	48 - 127	2	23
Bromomethane			5.00	5.28		ug/L		106	51 - 148	4	35
Carbon disulfide			5.00	4.69		ug/L		94	54 - 142	2	34
Carbon tetrachloride			5.00	5.00		ug/L		100	66 - 130	4	24
Chlorobenzene			5.00	4.75		ug/L		95	74 - 123	0	21
Chloroethane			5.00	4.67		ug/L		93	54 - 140	5	33
Chloroform			5.00	5.27		ug/L		105	75 - 120	2	21
Chloromethane			5.00	5.08		ug/L		102	32 - 150	2	33
cis-1,2-Dichloroethene			5.00	5.17		ug/L		103	72 - 120	2	22
cis-1,3-Dichloropropene			5.00	4.45		ug/L		89	77 - 131	3	24
Dibromochloromethane			5.00	4.72		ug/L		94	62 - 141	1	22
Dibromomethane			5.00	5.66		ug/L		113	65 - 141	0	22
Ethylbenzene			5.00	4.76		ug/L		95	80 - 124	2	22
m,p-Xylene			5.00	4.69		ug/L		94	75 - 124	2	22
Methyl iodide			5.00	5.42		ug/L		108	60 - 128	1	39
Methylene Chloride			5.00	3.44	J	ug/L		69	40 - 142	1	25
o-Xylene			5.00	4.83		ug/L		97	71 - 124	1	23
Styrene			5.00	4.96		ug/L		99	74 - 127	2	22
Tetrachloroethene			5.00	4.44		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	4.86		ug/L		97	69 - 121	4	27
trans-1,3-Dichloropropene			5.00	4.48		ug/L		90	71 - 138	1	26
trans-1,4-Dichloro-2-butene			5.00	4.84		ug/L		97	20 - 150	0	35
Trichloroethene			5.00	5.01		ug/L		100	72 - 120	2	22
Trichlorofluoromethane			5.00	5.25		ug/L		105	60 - 132	1	32
Vinyl acetate			12.5	13.6		ug/L		109	38 - 150	1	35

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

Lab Sample ID: LCSD 580-474999/5
Matrix: Water
Analysis Batch: 474999

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 580-475014/7
Matrix: Water
Analysis Batch: 475014

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		ug/L			10/17/24 02:51	1
1,1,1-Trichloroethane	ND		0.20		ug/L			10/17/24 02:51	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			10/17/24 02:51	1
1,1,2-Trichloroethane	ND		0.20		ug/L			10/17/24 02:51	1
1,1-Dichloroethane	ND		0.20		ug/L			10/17/24 02:51	1
1,1-Dichloroethene	ND		0.20		ug/L			10/17/24 02:51	1
1,2,3-Trichloropropane	ND		0.20		ug/L			10/17/24 02:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			10/17/24 02:51	1
1,2-Dibromoethane	ND		0.15		ug/L			10/17/24 02:51	1
1,2-Dichlorobenzene	ND		0.30		ug/L			10/17/24 02:51	1
1,2-Dichloroethane	ND		0.25		ug/L			10/17/24 02:51	1
1,2-Dichloropropane	ND		0.20		ug/L			10/17/24 02:51	1
1,4-Dichlorobenzene	ND		0.30		ug/L			10/17/24 02:51	1
2-Butanone	ND		10		ug/L			10/17/24 02:51	1
2-Hexanone	ND		3.0		ug/L			10/17/24 02:51	1
4-Methyl-2-pentanone	ND		10		ug/L			10/17/24 02:51	1
Acrylonitrile	ND		10		ug/L			10/17/24 02:51	1
Benzene	ND		0.20		ug/L			10/17/24 02:51	1
Bromochloromethane	ND		0.20		ug/L			10/17/24 02:51	1
Bromodichloromethane	ND		0.20		ug/L			10/17/24 02:51	1
Bromoform	ND		0.50		ug/L			10/17/24 02:51	1
Bromomethane	ND		0.50		ug/L			10/17/24 02:51	1
Carbon disulfide	ND		0.40		ug/L			10/17/24 02:51	1
Carbon tetrachloride	ND		0.20		ug/L			10/17/24 02:51	1
Chlorobenzene	ND		0.20		ug/L			10/17/24 02:51	1
Chloroethane	ND		0.50		ug/L			10/17/24 02:51	1
Chloroform	ND		0.20		ug/L			10/17/24 02:51	1
Chloromethane	ND		0.50		ug/L			10/17/24 02:51	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 02:51	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 02:51	1
Dibromochloromethane	ND		0.20		ug/L			10/17/24 02:51	1
Dibromomethane	ND		0.20		ug/L			10/17/24 02:51	1
Ethylbenzene	ND		0.20		ug/L			10/17/24 02:51	1
m,p-Xylene	ND		0.50		ug/L			10/17/24 02:51	1
Methyl iodide	ND		1.0		ug/L			10/17/24 02:51	1
Methylene Chloride	ND		5.0		ug/L			10/17/24 02:51	1
o-Xylene	ND		0.50		ug/L			10/17/24 02:51	1
Styrene	ND		1.0		ug/L			10/17/24 02:51	1

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

Lab Sample ID: MB 580-475014/7
Matrix: Water
Analysis Batch: 475014

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50		ug/L			10/17/24 02:51	1
Toluene	ND		0.20		ug/L			10/17/24 02:51	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			10/17/24 02:51	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			10/17/24 02:51	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			10/17/24 02:51	1
Trichloroethene	ND		0.20		ug/L			10/17/24 02:51	1
Trichlorofluoromethane	ND		0.50		ug/L			10/17/24 02:51	1
Vinyl acetate	ND		2.0		ug/L			10/17/24 02:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*80 - 120*		*10/17/24 02:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/17/24 02:51*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*10/17/24 02:51*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/17/24 02:51*	*1*

Lab Sample ID: LCS 580-475014/4
Matrix: Water
Analysis Batch: 475014

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	4.63		ug/L		93	69 - 127
1,1,1-Trichloroethane	5.00	3.99		ug/L		80	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.86		ug/L		97	67 - 136
1,1,2-Trichloroethane	5.00	4.74		ug/L		95	73 - 127
1,1-Dichloroethane	5.00	4.01		ug/L		80	74 - 120
1,1-Dichloroethene	5.00	3.75		ug/L		75	60 - 129
1,2,3-Trichloropropane	5.00	5.01		ug/L		100	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.63		ug/L		93	55 - 135
1,2-Dibromoethane	5.00	4.84		ug/L		97	61 - 143
1,2-Dichlorobenzene	5.00	4.83		ug/L		97	72 - 129
1,2-Dichloroethane	5.00	3.87		ug/L		77	74 - 127
1,2-Dichloropropane	5.00	4.26		ug/L		85	69 - 130
1,4-Dichlorobenzene	5.00	4.72		ug/L		94	71 - 129
2-Butanone	25.0	19.3		ug/L		77	37 - 150
2-Hexanone	25.0	22.1		ug/L		89	56 - 150
4-Methyl-2-pentanone	25.0	21.8		ug/L		87	63 - 137
Acrylonitrile	50.0	42.0		ug/L		84	50 - 145
Benzene	5.00	4.21		ug/L		84	80 - 120
Bromochloromethane	5.00	4.35		ug/L		87	79 - 121
Bromodichloromethane	5.00	4.14		ug/L		83	74 - 131
Bromoform	5.00	4.32		ug/L		86	48 - 127
Bromomethane	5.00	4.55		ug/L		91	51 - 148
Carbon disulfide	5.00	4.07		ug/L		81	54 - 142
Carbon tetrachloride	5.00	3.55		ug/L		71	66 - 130
Chlorobenzene	5.00	4.72		ug/L		94	74 - 123
Chloroethane	5.00	4.24		ug/L		85	54 - 140
Chloroform	5.00	3.93		ug/L		79	75 - 120
Chloromethane	5.00	4.14		ug/L		83	32 - 150

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

Lab Sample ID: LCS 580-475014/4
Matrix: Water
Analysis Batch: 475014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	5.00	4.17		ug/L		83	72 - 120
cis-1,3-Dichloropropene	5.00	3.98		ug/L		80	77 - 131
Dibromochloromethane	5.00	4.55		ug/L		91	62 - 141
Dibromomethane	5.00	4.52		ug/L		90	65 - 141
Ethylbenzene	5.00	4.40		ug/L		88	80 - 124
m,p-Xylene	5.00	4.20		ug/L		84	75 - 124
Methyl iodide	5.00	3.20		ug/L		64	60 - 128
Methylene Chloride	5.00	6.27		ug/L		125	40 - 142
o-Xylene	5.00	4.31		ug/L		86	71 - 124
Styrene	5.00	4.44		ug/L		89	74 - 127
Tetrachloroethene	5.00	4.58		ug/L		92	75 - 124
Toluene	5.00	4.34		ug/L		87	80 - 126
trans-1,2-Dichloroethene	5.00	4.05		ug/L		81	69 - 121
trans-1,3-Dichloropropene	5.00	4.35		ug/L		87	71 - 138
trans-1,4-Dichloro-2-butene	5.00	3.58		ug/L		72	20 - 150
Trichloroethene	5.00	4.25		ug/L		85	72 - 120
Trichlorofluoromethane	5.00	4.15		ug/L		83	60 - 132
Vinyl acetate	12.5	10.5		ug/L		84	38 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-475014/5
Matrix: Water
Analysis Batch: 475014

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	4.60		ug/L		92	69 - 127	1	22
1,1,1-Trichloroethane	5.00	4.07		ug/L		81	70 - 121	2	24
1,1,2,2-Tetrachloroethane	5.00	4.84		ug/L		97	67 - 136	0	24
1,1,2-Trichloroethane	5.00	4.68		ug/L		94	73 - 127	1	22
1,1-Dichloroethane	5.00	3.99		ug/L		80	74 - 120	1	26
1,1-Dichloroethene	5.00	3.87		ug/L		77	60 - 129	3	29
1,2,3-Trichloropropane	5.00	5.14		ug/L		103	67 - 135	2	25
1,2-Dibromo-3-Chloropropane	5.00	4.50		ug/L		90	55 - 135	3	29
1,2-Dibromoethane	5.00	4.93		ug/L		99	61 - 143	2	22
1,2-Dichlorobenzene	5.00	4.71		ug/L		94	72 - 129	2	22
1,2-Dichloroethane	5.00	3.95		ug/L		79	74 - 127	2	21
1,2-Dichloropropane	5.00	4.38		ug/L		88	69 - 130	3	22
1,4-Dichlorobenzene	5.00	4.60		ug/L		92	71 - 129	3	22
2-Butanone	25.0	20.1		ug/L		80	37 - 150	4	35
2-Hexanone	25.0	22.7		ug/L		91	56 - 150	3	29
4-Methyl-2-pentanone	25.0	22.1		ug/L		88	63 - 137	2	26
Acrylonitrile	50.0	42.8		ug/L		86	50 - 145	2	33
Benzene	5.00	4.22		ug/L		84	80 - 120	0	22

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

Lab Sample ID: LCSD 580-475014/5
Matrix: Water
Analysis Batch: 475014

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
Bromochloromethane			5.00	4.46		ug/L		89	79 - 121	3	20
Bromodichloromethane			5.00	4.17		ug/L		83	74 - 131	1	21
Bromoform			5.00	4.35		ug/L		87	48 - 127	1	23
Bromomethane			5.00	4.49		ug/L		90	51 - 148	1	35
Carbon disulfide			5.00	4.05		ug/L		81	54 - 142	0	34
Carbon tetrachloride			5.00	3.60		ug/L		72	66 - 130	1	24
Chlorobenzene			5.00	4.71		ug/L		94	74 - 123	0	21
Chloroethane			5.00	4.20		ug/L		84	54 - 140	1	33
Chloroform			5.00	3.99		ug/L		80	75 - 120	2	21
Chloromethane			5.00	4.19		ug/L		84	32 - 150	1	33
cis-1,2-Dichloroethene			5.00	4.23		ug/L		85	72 - 120	1	22
cis-1,3-Dichloropropene			5.00	4.08		ug/L		82	77 - 131	3	24
Dibromochloromethane			5.00	4.54		ug/L		91	62 - 141	0	22
Dibromomethane			5.00	4.60		ug/L		92	65 - 141	2	22
Ethylbenzene			5.00	4.40		ug/L		88	80 - 124	0	22
m,p-Xylene			5.00	4.20		ug/L		84	75 - 124	0	22
Methyl iodide			5.00	3.20		ug/L		64	60 - 128	0	39
Methylene Chloride			5.00	6.45		ug/L		129	40 - 142	3	25
o-Xylene			5.00	4.27		ug/L		85	71 - 124	1	23
Styrene			5.00	4.42		ug/L		88	74 - 127	0	22
Tetrachloroethene			5.00	4.47		ug/L		89	75 - 124	2	20
Toluene			5.00	4.36		ug/L		87	80 - 126	1	20
trans-1,2-Dichloroethene			5.00	4.04		ug/L		81	69 - 121	0	27
trans-1,3-Dichloropropene			5.00	4.37		ug/L		87	71 - 138	0	26
trans-1,4-Dichloro-2-butene			5.00	3.69		ug/L		74	20 - 150	3	35
Trichloroethene			5.00	4.31		ug/L		86	72 - 120	2	22
Trichlorofluoromethane			5.00	4.27		ug/L		85	60 - 132	3	32
Vinyl acetate			12.5	10.7		ug/L		86	38 - 150	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-475080/7
Matrix: Water
Analysis Batch: 475080

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-Trichloroethane	ND		0.20		ug/L			10/17/24 14:21	1
Acetone	ND		10		ug/L			10/17/24 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*10/17/24 14:21*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*10/17/24 14:21*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*10/17/24 14:21*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/17/24 14:21*	*1*

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

Lab Sample ID: LCS 580-475080/4
Matrix: Water
Analysis Batch: 475080

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-Trichloroethane			5.00	5.65		ug/L		113	70 - 121		
Acetone			25.0	26.0		ug/L		104	49 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 580-475080/5
Matrix: Water
Analysis Batch: 475080

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-Trichloroethane			5.00	5.97		ug/L		119	70 - 121	5	24
Acetone			25.0	30.5		ug/L		122	49 - 150	16	24

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 580-474739/7
Matrix: Water
Analysis Batch: 474739

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		ug/L			10/15/24 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/15/24 11:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 120*		*10/15/24 11:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 125*		*10/15/24 11:46*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*10/15/24 11:46*	*1*

Lab Sample ID: LCS 580-474739/4
Matrix: Water
Analysis Batch: 474739

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	5.34		ug/L		107	68 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: LCS 580-474739/4
Matrix: Water
Analysis Batch: 474739

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		68 - 120
4-Bromofluorobenzene (Surr)	104		80 - 125
Dibromofluoromethane (Surr)	104		80 - 120

Lab Sample ID: LCSD 580-474739/5
Matrix: Water
Analysis Batch: 474739

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	5.53		ug/L		111	68 - 150	4	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	106		68 - 120
4-Bromofluorobenzene (Surr)	103		80 - 125
Dibromofluoromethane (Surr)	103		80 - 120

Lab Sample ID: MB 580-474849/7
Matrix: Water
Analysis Batch: 474849

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		ug/L			10/15/24 22:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		10/15/24 22:44	1
1,2-Dichloroethane-d4 (Surr)	112		68 - 120		10/15/24 22:44	1
4-Bromofluorobenzene (Surr)	101		80 - 125		10/15/24 22:44	1
Dibromofluoromethane (Surr)	110		80 - 120		10/15/24 22:44	1

Lab Sample ID: LCS 580-474849/4
Matrix: Water
Analysis Batch: 474849

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	5.88		ug/L		118	68 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	107		68 - 120
4-Bromofluorobenzene (Surr)	104		80 - 125
Dibromofluoromethane (Surr)	104		80 - 120

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

Lab Sample ID: LCSD 580-474849/5
Matrix: Water
Analysis Batch: 474849

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	5.78		ug/L		116	68 - 150	2	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 125*
Dibromofluoromethane (Surr)	*104*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 570-495354/1-A
Matrix: Water
Analysis Batch: 496455

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 495354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		2.0		mg/L		10/24/24 16:30	10/28/24 09:44	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 09:44	1
Magnesium	ND		0.50		mg/L		10/24/24 16:30	10/28/24 09:44	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 09:44	1
Potassium	ND		2.0		mg/L		10/24/24 16:30	10/28/24 09:44	1
Sodium	ND		2.0		mg/L		10/24/24 16:30	10/28/24 09:44	1

Lab Sample ID: LCS 570-495354/2-A
Matrix: Water
Analysis Batch: 496455

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 495354

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium			2.50	2.51		mg/L		100	80 - 120
Iron			0.500	0.499	J	mg/L		100	80 - 120
Magnesium			2.50	2.51		mg/L		100	80 - 120
Manganese			0.500	0.503		mg/L		101	80 - 120
Potassium			5.00	5.04		mg/L		101	80 - 120
Sodium			5.00	4.99		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-495354/3-A
Matrix: Water
Analysis Batch: 496455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 495354

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			2.50	2.50		mg/L		100	80 - 120	1	20
Iron			0.500	0.499	J	mg/L		100	80 - 120	0	20
Magnesium			2.50	2.49		mg/L		100	80 - 120	1	20
Manganese			0.500	0.497		mg/L		99	80 - 120	1	20
Potassium			5.00	4.86		mg/L		97	80 - 120	4	20
Sodium			5.00	4.94		mg/L		99	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 570-495358/1-A
Matrix: Water
Analysis Batch: 496455

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 495358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		2.0		mg/L		10/24/24 16:30	10/28/24 11:01	1
Iron	ND		0.50		mg/L		10/24/24 16:30	10/28/24 11:01	1
Magnesium	ND		0.50		mg/L		10/24/24 16:30	10/28/24 11:01	1
Manganese	ND		0.050		mg/L		10/24/24 16:30	10/28/24 11:01	1
Potassium	ND		2.0		mg/L		10/24/24 16:30	10/28/24 11:01	1
Sodium	ND		2.0		mg/L		10/24/24 16:30	10/28/24 11:01	1

Lab Sample ID: LCS 570-495358/2-A
Matrix: Water
Analysis Batch: 496455

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 495358

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			2.50	2.57		mg/L		103	80 - 120		
Iron			0.500	0.501		mg/L		100	80 - 120		
Magnesium			2.50	2.56		mg/L		102	80 - 120		
Manganese			0.500	0.509		mg/L		102	80 - 120		
Potassium			5.00	5.07		mg/L		101	80 - 120		
Sodium			5.00	5.15		mg/L		103	80 - 120		

Lab Sample ID: LCSD 570-495358/3-A
Matrix: Water
Analysis Batch: 496455

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 495358

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			2.50	2.48		mg/L		99	80 - 120	4	20
Iron			0.500	0.487	J	mg/L		97	80 - 120	3	20
Magnesium			2.50	2.46		mg/L		98	80 - 120	4	20
Manganese			0.500	0.496		mg/L		99	80 - 120	3	20
Potassium			5.00	4.97		mg/L		99	80 - 120	2	20
Sodium			5.00	4.99		mg/L		100	80 - 120	3	20

Lab Sample ID: 580-144789-1 MS
Matrix: Water
Analysis Batch: 496455

Client Sample ID: 1024-01
Prep Type: Dissolved
Prep Batch: 495354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium	69		2.50	71.2	4	mg/L		88	77 - 113		
Iron	0.59		0.500	1.10		mg/L		103	65 - 149		
Magnesium	46		2.50	48.0	4	mg/L		94	56 - 140		
Manganese	0.17		0.500	0.682		mg/L		102	86 - 116		
Potassium	6.6		5.00	12.0		mg/L		107	83 - 131		
Sodium	27		5.00	31.8	4	mg/L		99	73 - 127		

Lab Sample ID: 580-144789-1 MSD
Matrix: Water
Analysis Batch: 496455

Client Sample ID: 1024-01
Prep Type: Dissolved
Prep Batch: 495354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	69		2.50	71.0	4	mg/L		80	77 - 113	0	11

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-144789-1 MSD
Matrix: Water
Analysis Batch: 496455

Client Sample ID: 1024-01
Prep Type: Dissolved
Prep Batch: 495354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.59		0.500	1.10		mg/L		101	65 - 149	1	21
Magnesium	46		2.50	48.0	4	mg/L		90	56 - 140	0	11
Manganese	0.17		0.500	0.666		mg/L		99	86 - 116	2	7
Potassium	6.6		5.00	11.8		mg/L		103	83 - 131	2	7
Sodium	27		5.00	31.5	4	mg/L		95	73 - 127	1	9

Lab Sample ID: 580-144789-23 MS
Matrix: Water
Analysis Batch: 496455

Client Sample ID: 1024-04
Prep Type: Dissolved
Prep Batch: 495358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	75		2.50	77.2	4	mg/L		83	77 - 113
Iron	1.8		0.500	2.26		mg/L		96	65 - 149
Magnesium	37		2.50	39.5	4	mg/L		85	56 - 140
Manganese	0.53		0.500	1.02		mg/L		98	86 - 116
Potassium	6.2		5.00	11.2		mg/L		101	83 - 131
Sodium	34		5.00	38.6	4	mg/L		92	73 - 127

Lab Sample ID: 580-144789-23 MSD
Matrix: Water
Analysis Batch: 496455

Client Sample ID: 1024-04
Prep Type: Dissolved
Prep Batch: 495358

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	75		2.50	77.3	4	mg/L		85	77 - 113	0	11
Iron	1.8		0.500	2.27		mg/L		98	65 - 149	0	21
Magnesium	37		2.50	39.6	4	mg/L		91	56 - 140	0	11
Manganese	0.53		0.500	1.03		mg/L		99	86 - 116	1	7
Potassium	6.2		5.00	11.2		mg/L		101	83 - 131	0	7
Sodium	34		5.00	38.7	4	mg/L		94	73 - 127	0	9

Lab Sample ID: MB 570-497888/1-A
Matrix: Water
Analysis Batch: 497988

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		2.0		mg/L			10/31/24 17:00	1
Iron	ND		0.50		mg/L			10/31/24 17:00	1
Magnesium	ND		0.50		mg/L			10/31/24 17:00	1
Manganese	ND		0.050		mg/L			10/31/24 17:00	1
Potassium	ND		2.0		mg/L			10/31/24 17:00	1
Sodium	ND		2.0		mg/L			10/31/24 17:00	1

Lab Sample ID: LCS 570-497888/2-A
Matrix: Water
Analysis Batch: 497988

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	2.50	2.56		mg/L		103	80 - 120
Iron	0.500	0.508		mg/L		102	80 - 120
Magnesium	2.50	2.54		mg/L		102	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-497888/2-A
Matrix: Water
Analysis Batch: 497988

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.508		mg/L		102	80 - 120
Potassium	5.00	5.04		mg/L		101	80 - 120
Sodium	5.00	5.30		mg/L		106	80 - 120

Lab Sample ID: LCSD 570-497888/3-A
Matrix: Water
Analysis Batch: 497988

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	2.50	2.60		mg/L		104	80 - 120	1	20
Iron	0.500	0.525		mg/L		105	80 - 120	3	20
Magnesium	2.50	2.57		mg/L		103	80 - 120	1	20
Manganese	0.500	0.513		mg/L		103	80 - 120	1	20
Potassium	5.00	5.12		mg/L		102	80 - 120	2	20
Sodium	5.00	5.33		mg/L		107	80 - 120	1	20

Lab Sample ID: 580-144789-25 MS
Matrix: Water
Analysis Batch: 497988

Client Sample ID: 1024-21
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	150		2.50	157	4	mg/L		84	77 - 113
Iron	ND		0.500	0.510		mg/L		102	65 - 149
Magnesium	76		2.50	77.9	4	mg/L		80	56 - 140
Manganese	0.054		0.500	0.547		mg/L		99	86 - 116
Potassium	8.0		5.00	13.1		mg/L		102	83 - 131
Sodium	32		5.00	36.9	4	mg/L		96	73 - 127

Lab Sample ID: 580-144789-25 MSD
Matrix: Water
Analysis Batch: 497988

Client Sample ID: 1024-21
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	150		2.50	157	4	mg/L		88	77 - 113	0	11
Iron	ND		0.500	0.512		mg/L		102	65 - 149	0	21
Magnesium	76		2.50	77.9	4	mg/L		82	56 - 140	0	11
Manganese	0.054		0.500	0.545		mg/L		98	86 - 116	0	7
Potassium	8.0		5.00	13.0		mg/L		99	83 - 131	1	7
Sodium	32		5.00	36.9	4	mg/L		97	73 - 127	0	9

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-475966/25-A
Matrix: Water
Analysis Batch: 476058

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 17:37	1
Arsenic	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 17:37	1
Barium	ND		0.0012		mg/L		10/25/24 17:59	10/26/24 17:37	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-475966/25-A
Matrix: Water
Analysis Batch: 476058

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:37	1
Cadmium	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:37	1
Chromium	ND		0.00080		mg/L		10/25/24 17:59	10/26/24 17:37	1
Cobalt	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:37	1
Copper	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 17:37	1
Iron	ND		0.10		mg/L		10/25/24 17:59	10/26/24 17:37	1
Lead	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:37	1
Nickel	ND		0.0030		mg/L		10/25/24 17:59	10/26/24 17:37	1
Selenium	ND		0.0080		mg/L		10/25/24 17:59	10/26/24 17:37	1
Silver	ND		0.00040		mg/L		10/25/24 17:59	10/26/24 17:37	1
Thallium	ND		0.0010		mg/L		10/25/24 17:59	10/26/24 17:37	1
Vanadium	ND		0.0040		mg/L		10/25/24 17:59	10/26/24 17:37	1
Zinc	ND		0.0070		mg/L		10/25/24 17:59	10/26/24 17:37	1
Manganese	ND		0.0020		mg/L		10/25/24 17:59	10/26/24 17:37	1

Lab Sample ID: LCS 580-475966/26-A
Matrix: Water
Analysis Batch: 476058

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.974		mg/L		97	80 - 120
Arsenic	1.00	0.941		mg/L		94	80 - 120
Barium	1.00	0.963		mg/L		96	80 - 120
Beryllium	1.00	0.954		mg/L		95	80 - 120
Cadmium	1.00	1.01		mg/L		101	80 - 120
Chromium	1.00	0.988		mg/L		99	80 - 120
Cobalt	1.00	0.967		mg/L		97	80 - 120
Copper	1.00	0.952		mg/L		95	80 - 120
Iron	20.0	18.7		mg/L		93	80 - 120
Lead	1.00	1.00		mg/L		100	80 - 120
Nickel	1.00	0.961		mg/L		96	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	1.00	0.949		mg/L		95	80 - 120
Thallium	1.00	0.990		mg/L		99	80 - 120
Vanadium	1.00	0.985		mg/L		99	80 - 120
Zinc	1.00	0.933		mg/L		93	80 - 120
Manganese	1.00	0.933		mg/L		93	80 - 120

Lab Sample ID: 580-144789-10 MS
Matrix: Water
Analysis Batch: 476058

Client Sample ID: 1024-16
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	0.988		mg/L		99	80 - 120
Arsenic	0.0052		1.00	0.962		mg/L		96	80 - 120
Barium	0.096		1.00	1.06		mg/L		96	80 - 120
Beryllium	ND		1.00	0.948		mg/L		95	80 - 120
Cadmium	ND		1.00	0.997		mg/L		100	80 - 120
Chromium	ND		1.00	0.979		mg/L		98	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-144789-10 MS
Matrix: Water
Analysis Batch: 476058

Client Sample ID: 1024-16
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	ND		1.00	0.964		mg/L		96	80 - 120
Copper	ND		1.00	0.955		mg/L		95	80 - 120
Iron	0.28		20.0	19.1		mg/L		94	80 - 120
Lead	ND		1.00	0.987		mg/L		99	80 - 120
Nickel	0.0076		1.00	0.976		mg/L		97	80 - 120
Selenium	ND		1.00	0.999		mg/L		100	80 - 120
Silver	ND		1.00	0.945		mg/L		94	80 - 120
Thallium	ND		1.00	0.970		mg/L		97	80 - 120
Vanadium	ND		1.00	0.984		mg/L		98	80 - 120
Zinc	ND		1.00	0.926		mg/L		93	80 - 120
Manganese	0.30		1.00	1.22		mg/L		92	80 - 120

Lab Sample ID: 580-144789-10 MSD
Matrix: Water
Analysis Batch: 476058

Client Sample ID: 1024-16
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	0.972		mg/L		97	80 - 120	2	20
Arsenic	0.0052		1.00	0.942		mg/L		94	80 - 120	2	20
Barium	0.096		1.00	1.05		mg/L		95	80 - 120	1	20
Beryllium	ND		1.00	0.934		mg/L		93	80 - 120	1	20
Cadmium	ND		1.00	0.989		mg/L		99	80 - 120	1	20
Chromium	ND		1.00	0.975		mg/L		97	80 - 120	0	20
Cobalt	ND		1.00	0.940		mg/L		94	80 - 120	3	20
Copper	ND		1.00	0.933		mg/L		93	80 - 120	2	20
Iron	0.28		20.0	18.7		mg/L		92	80 - 120	2	20
Lead	ND		1.00	0.979		mg/L		98	80 - 120	1	20
Nickel	0.0076		1.00	0.942		mg/L		93	80 - 120	4	20
Selenium	ND		1.00	0.995		mg/L		100	80 - 120	0	20
Silver	ND		1.00	0.933		mg/L		93	80 - 120	1	20
Thallium	ND		1.00	0.947		mg/L		95	80 - 120	2	20
Vanadium	ND		1.00	0.976		mg/L		98	80 - 120	1	20
Zinc	ND		1.00	0.904		mg/L		90	80 - 120	2	20
Manganese	0.30		1.00	1.21		mg/L		91	80 - 120	1	20

Lab Sample ID: 580-144789-12 MS
Matrix: Water
Analysis Batch: 476058

Client Sample ID: 1024-28
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	0.953		mg/L		95	80 - 120
Arsenic	0.0029		1.00	0.929		mg/L		93	80 - 120
Barium	0.027		1.00	0.969		mg/L		94	80 - 120
Beryllium	ND		1.00	0.925		mg/L		92	80 - 120
Cadmium	ND		1.00	0.977		mg/L		98	80 - 120
Chromium	ND		1.00	0.964		mg/L		96	80 - 120
Cobalt	ND		1.00	0.930		mg/L		93	80 - 120
Copper	ND		1.00	0.921		mg/L		92	80 - 120
Iron	ND		20.0	18.3		mg/L		92	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-144789-12 MS
Matrix: Water
Analysis Batch: 476058

Client Sample ID: 1024-28
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	ND		1.00	0.976		mg/L		98	80 - 120
Nickel	0.0046		1.00	0.929		mg/L		92	80 - 120
Selenium	ND		1.00	0.950		mg/L		95	80 - 120
Silver	ND		1.00	0.929		mg/L		93	80 - 120
Thallium	ND		1.00	0.948		mg/L		95	80 - 120
Vanadium	ND		1.00	0.965		mg/L		96	80 - 120
Zinc	ND		1.00	0.904		mg/L		90	80 - 120
Manganese	0.016		1.00	0.929		mg/L		91	80 - 120

Lab Sample ID: 580-144789-12 MSD
Matrix: Water
Analysis Batch: 476058

Client Sample ID: 1024-28
Prep Type: Total Recoverable
Prep Batch: 475966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	1.03		mg/L		103	80 - 120	8	20
Arsenic	0.0029		1.00	0.999		mg/L		100	80 - 120	7	20
Barium	0.027		1.00	1.05		mg/L		102	80 - 120	8	20
Beryllium	ND		1.00	0.995		mg/L		99	80 - 120	7	20
Cadmium	ND		1.00	1.06		mg/L		106	80 - 120	8	20
Chromium	ND		1.00	1.04		mg/L		104	80 - 120	8	20
Cobalt	ND		1.00	1.01		mg/L		101	80 - 120	8	20
Copper	ND		1.00	1.00		mg/L		100	80 - 120	8	20
Iron	ND		20.0	19.7		mg/L		99	80 - 120	7	20
Lead	ND		1.00	1.05		mg/L		105	80 - 120	7	20
Nickel	0.0046		1.00	1.01		mg/L		100	80 - 120	8	20
Selenium	ND		1.00	1.02		mg/L		102	80 - 120	7	20
Silver	ND		1.00	1.00		mg/L		100	80 - 120	8	20
Thallium	ND		1.00	1.03		mg/L		103	80 - 120	8	20
Vanadium	ND		1.00	1.04		mg/L		104	80 - 120	8	20
Zinc	ND		1.00	0.975		mg/L		97	80 - 120	8	20
Manganese	0.016		1.00	0.995		mg/L		98	80 - 120	7	20

Lab Sample ID: MB 580-475952/3-B
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 475982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 18:24	1
Arsenic	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 18:24	1
Barium	ND		0.0012		mg/L		10/26/24 12:30	10/28/24 18:24	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:24	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:24	1
Chromium	ND		0.00080		mg/L		10/26/24 12:30	10/28/24 18:24	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:24	1
Copper	ND		0.0020		mg/L		10/26/24 12:30	10/28/24 18:24	1
Iron	ND		0.10		mg/L		10/26/24 12:30	10/28/24 18:24	1
Lead	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:24	1
Nickel	ND		0.0030		mg/L		10/26/24 12:30	10/28/24 18:24	1
Selenium	ND		0.0080		mg/L		10/26/24 12:30	10/28/24 18:24	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-475952/3-B
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 475982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.00040		mg/L		10/26/24 12:30	10/28/24 18:24	1
Thallium	ND		0.0010		mg/L		10/26/24 12:30	10/28/24 18:24	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:30	10/28/24 18:24	1
Zinc	ND		0.0070		mg/L		10/26/24 12:30	10/28/24 18:24	1
Manganese	ND		0.0050		mg/L		10/26/24 12:30	10/28/24 18:24	1

Lab Sample ID: LCS 580-475952/4-B
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 475982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.06		mg/L		106	80 - 120
Arsenic	1.00	0.985		mg/L		99	80 - 120
Barium	1.00	0.973		mg/L		97	80 - 120
Beryllium	1.00	1.02		mg/L		102	80 - 120
Cadmium	1.00	1.02		mg/L		102	80 - 120
Chromium	1.00	0.996		mg/L		100	80 - 120
Cobalt	1.00	1.00		mg/L		100	80 - 120
Copper	1.00	0.980		mg/L		98	80 - 120
Iron	20.0	19.6		mg/L		98	80 - 120
Lead	1.00	1.02		mg/L		102	80 - 120
Nickel	1.00	0.998		mg/L		100	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Silver	1.00	0.997		mg/L		100	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	1.00	0.979		mg/L		98	80 - 120
Zinc	1.00	0.974		mg/L		97	80 - 120
Manganese	1.00	0.961		mg/L		96	80 - 120

Lab Sample ID: 580-144789-17 MS
Matrix: Water
Analysis Batch: 476210

Client Sample ID: 1024-23
Prep Type: Total Recoverable
Prep Batch: 475982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.00	1.05		mg/L		105	80 - 120
Arsenic	0.0053		1.00	0.965		mg/L		96	80 - 120
Barium	0.046		1.00	1.01		mg/L		96	80 - 120
Beryllium	ND		1.00	1.00		mg/L		100	80 - 120
Cadmium	ND		1.00	1.01		mg/L		101	80 - 120
Chromium	0.00088		1.00	0.998		mg/L		100	80 - 120
Cobalt	0.00094		1.00	0.970		mg/L		97	80 - 120
Copper	ND		1.00	0.949		mg/L		95	80 - 120
Iron	0.50		20.0	19.4		mg/L		95	80 - 120
Lead	0.00044		1.00	1.00		mg/L		100	80 - 120
Nickel	0.0063		1.00	0.967		mg/L		96	80 - 120
Selenium	ND		1.00	0.920		mg/L		92	80 - 120
Silver	ND		1.00	0.989		mg/L		99	80 - 120
Thallium	ND		1.00	1.03		mg/L		103	80 - 120
Vanadium	0.0059		1.00	0.994		mg/L		99	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-144789-17 MS
Matrix: Water
Analysis Batch: 476210

Client Sample ID: 1024-23
Prep Type: Total Recoverable
Prep Batch: 475982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	ND		1.00	0.945		mg/L		94	80 - 120
Manganese	0.054		1.00	0.996		mg/L		94	80 - 120

Lab Sample ID: 580-144789-17 MSD
Matrix: Water
Analysis Batch: 476210

Client Sample ID: 1024-23
Prep Type: Total Recoverable
Prep Batch: 475982

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	ND		1.00	1.06		mg/L		106	80 - 120	1	20
Arsenic	0.0053		1.00	0.995		mg/L		99	80 - 120	3	20
Barium	0.046		1.00	1.01		mg/L		97	80 - 120	1	20
Beryllium	ND		1.00	1.01		mg/L		101	80 - 120	0	20
Cadmium	ND		1.00	1.00		mg/L		100	80 - 120	1	20
Chromium	0.00088		1.00	1.00		mg/L		100	80 - 120	1	20
Cobalt	0.00094		1.00	0.993		mg/L		99	80 - 120	2	20
Copper	ND		1.00	0.977		mg/L		98	80 - 120	3	20
Iron	0.50		20.0	19.9		mg/L		97	80 - 120	2	20
Lead	0.00044		1.00	1.02		mg/L		102	80 - 120	2	20
Nickel	0.0063		1.00	0.996		mg/L		99	80 - 120	3	20
Selenium	ND		1.00	0.990		mg/L		99	80 - 120	7	20
Silver	ND		1.00	0.993		mg/L		99	80 - 120	0	20
Thallium	ND		1.00	1.05		mg/L		105	80 - 120	2	20
Vanadium	0.0059		1.00	0.998		mg/L		99	80 - 120	0	20
Zinc	ND		1.00	0.970		mg/L		97	80 - 120	3	20
Manganese	0.054		1.00	1.00		mg/L		95	80 - 120	1	20

Lab Sample ID: MB 580-475983/25-A
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 475983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 21:01	1
Arsenic	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 21:01	1
Barium	ND		0.0012		mg/L		10/26/24 12:52	10/28/24 21:01	1
Beryllium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:01	1
Cadmium	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:01	1
Chromium	ND		0.00080		mg/L		10/26/24 12:52	10/28/24 21:01	1
Cobalt	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:01	1
Copper	ND		0.0020		mg/L		10/26/24 12:52	10/28/24 21:01	1
Iron	ND		0.10		mg/L		10/26/24 12:52	10/28/24 21:01	1
Lead	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:01	1
Nickel	ND		0.0030		mg/L		10/26/24 12:52	10/28/24 21:01	1
Selenium	ND		0.0080		mg/L		10/26/24 12:52	10/28/24 21:01	1
Silver	ND		0.00040		mg/L		10/26/24 12:52	10/28/24 21:01	1
Thallium	ND		0.0010		mg/L		10/26/24 12:52	10/28/24 21:01	1
Vanadium	ND		0.0040		mg/L		10/26/24 12:52	10/28/24 21:01	1
Zinc	ND		0.0070		mg/L		10/26/24 12:52	10/28/24 21:01	1
Manganese	ND		0.0050		mg/L		10/26/24 12:52	10/28/24 21:01	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-475983/26-A
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 475983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.09		mg/L		109	80 - 120
Arsenic	1.00	0.968		mg/L		97	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	1.00	1.04		mg/L		104	80 - 120
Cadmium	1.00	1.04		mg/L		104	80 - 120
Chromium	1.00	0.991		mg/L		99	80 - 120
Cobalt	1.00	0.981		mg/L		98	80 - 120
Copper	1.00	0.958		mg/L		96	80 - 120
Iron	20.0	19.3		mg/L		97	80 - 120
Lead	1.00	1.01		mg/L		101	80 - 120
Nickel	1.00	0.971		mg/L		97	80 - 120
Selenium	1.00	0.964		mg/L		96	80 - 120
Silver	1.00	0.998		mg/L		100	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	1.00	0.975		mg/L		98	80 - 120
Zinc	1.00	0.973		mg/L		97	80 - 120
Manganese	1.00	0.958		mg/L		96	80 - 120

Lab Sample ID: MB 580-476002/25-A
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 476002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		10/26/24 15:12	10/28/24 19:50	1
Arsenic	ND		0.0010		mg/L		10/26/24 15:12	10/28/24 19:50	1
Barium	ND		0.0012		mg/L		10/26/24 15:12	10/28/24 19:50	1
Beryllium	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 19:50	1
Cadmium	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 19:50	1
Chromium	ND		0.00080		mg/L		10/26/24 15:12	10/28/24 19:50	1
Cobalt	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 19:50	1
Copper	ND		0.0020		mg/L		10/26/24 15:12	10/28/24 19:50	1
Iron	ND		0.10		mg/L		10/26/24 15:12	10/28/24 19:50	1
Lead	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 19:50	1
Nickel	ND		0.0030		mg/L		10/26/24 15:12	10/28/24 19:50	1
Selenium	ND		0.0080		mg/L		10/26/24 15:12	10/28/24 19:50	1
Silver	ND		0.00040		mg/L		10/26/24 15:12	10/28/24 19:50	1
Thallium	ND		0.0010		mg/L		10/26/24 15:12	10/28/24 19:50	1
Vanadium	ND		0.0040		mg/L		10/26/24 15:12	10/28/24 19:50	1
Zinc	ND		0.0070		mg/L		10/26/24 15:12	10/28/24 19:50	1
Manganese	ND		0.0050		mg/L		10/26/24 15:12	10/28/24 19:50	1

Lab Sample ID: LCS 580-476002/26-A
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 476002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.05		mg/L		105	80 - 120
Arsenic	1.00	0.975		mg/L		98	80 - 120
Barium	1.00	0.962		mg/L		96	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-476002/26-A
Matrix: Water
Analysis Batch: 476210

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 476002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	1.00	1.02		mg/L		102	80 - 120
Cadmium	1.00	1.01		mg/L		101	80 - 120
Chromium	1.00	1.02		mg/L		102	80 - 120
Cobalt	1.00	1.02		mg/L		102	80 - 120
Copper	1.00	0.997		mg/L		100	80 - 120
Iron	20.0	19.8		mg/L		99	80 - 120
Lead	1.00	1.03		mg/L		103	80 - 120
Nickel	1.00	1.01		mg/L		101	80 - 120
Selenium	1.00	0.993		mg/L		99	80 - 120
Silver	1.00	1.00		mg/L		100	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Vanadium	1.00	0.996		mg/L		100	80 - 120
Zinc	1.00	0.991		mg/L		99	80 - 120
Manganese	1.00	0.949		mg/L		95	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-474993/59
Matrix: Water
Analysis Batch: 474993

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			10/12/24 20:38	1
Chloride	ND		1.5		mg/L			10/12/24 20:38	1
Sulfate	ND		1.5		mg/L			10/12/24 20:38	1

Lab Sample ID: LCS 580-474993/60
Matrix: Water
Analysis Batch: 474993

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	5.09		mg/L		102	90 - 110
Chloride	50.0	53.3		mg/L		107	90 - 110
Sulfate	50.0	52.6		mg/L		105	90 - 110

Lab Sample ID: LCSD 580-474993/61
Matrix: Water
Analysis Batch: 474993

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	5.05		mg/L		101	90 - 110	1	15
Chloride	50.0	52.8		mg/L		106	90 - 110	1	15
Sulfate	50.0	51.9		mg/L		104	90 - 110	1	15

Lab Sample ID: 580-144789-29 MS
Matrix: Water
Analysis Batch: 474993

Client Sample ID: 1024-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND		5.00	4.93		mg/L		99	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-144789-29 MS
Matrix: Water
Analysis Batch: 474993

Client Sample ID: 1024-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	29		50.0	79.6		mg/L		101	90 - 110

Lab Sample ID: 580-144789-29 MS
Matrix: Water
Analysis Batch: 474993

Client Sample ID: 1024-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	58		50.0	105		mg/L		92	90 - 110

Lab Sample ID: 580-144789-29 MSD
Matrix: Water
Analysis Batch: 474993

Client Sample ID: 1024-13
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	4.99		mg/L		100	90 - 110	1	15
Sulfate	29		50.0	80.0		mg/L		101	90 - 110	0	15

Lab Sample ID: 580-144789-29 MSD
Matrix: Water
Analysis Batch: 474993

Client Sample ID: 1024-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58		50.0	105		mg/L		93	90 - 110	0	15

Lab Sample ID: MB 580-476537/40
Matrix: Water
Analysis Batch: 476537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			10/30/24 05:22	1
Chloride	ND		1.5		mg/L			10/30/24 05:22	1
Sulfate	ND		1.5		mg/L			10/30/24 05:22	1

Lab Sample ID: MB 580-476537/5
Matrix: Water
Analysis Batch: 476537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			10/29/24 21:49	1
Chloride	ND		1.5		mg/L			10/29/24 21:49	1
Sulfate	ND		1.5		mg/L			10/29/24 21:49	1

Lab Sample ID: LCS 580-476537/3
Matrix: Water
Analysis Batch: 476537

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	4.97		mg/L		99	90 - 110
Chloride	50.0	51.3		mg/L		103	90 - 110
Sulfate	50.0	51.0		mg/L		102	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-476537/41
Matrix: Water
Analysis Batch: 476537

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	4.97		mg/L		99	90 - 110		
Chloride			50.0	51.2		mg/L		102	90 - 110		
Sulfate			50.0	51.2		mg/L		102	90 - 110		

Lab Sample ID: LCSD 580-476537/4
Matrix: Water
Analysis Batch: 476537

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	4.90		mg/L		98	90 - 110	1	15
Chloride			50.0	50.7		mg/L		101	90 - 110	1	15
Sulfate			50.0	50.4		mg/L		101	90 - 110	2	15

Lab Sample ID: LCSD 580-476537/42
Matrix: Water
Analysis Batch: 476537

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	4.97		mg/L		99	90 - 110	0	15
Chloride			50.0	51.1		mg/L		102	90 - 110	0	15
Sulfate			50.0	51.1		mg/L		102	90 - 110	0	15

Lab Sample ID: 580-144789-10 MS
Matrix: Water
Analysis Batch: 476537

Client Sample ID: 1024-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride	ND		5.00	5.18		mg/L		104	90 - 110		

Lab Sample ID: 580-144789-10 MS
Matrix: Water
Analysis Batch: 476537

Client Sample ID: 1024-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	100		50.0	155		mg/L		105	90 - 110		
Sulfate	130		50.0	181		mg/L		98	90 - 110		

Lab Sample ID: 580-144789-10 MSD
Matrix: Water
Analysis Batch: 476537

Client Sample ID: 1024-16
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	4.86		mg/L		97	90 - 110	6	15

Lab Sample ID: 580-144789-10 MSD
Matrix: Water
Analysis Batch: 476537

Client Sample ID: 1024-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100		50.0	152		mg/L		99	90 - 110	2	15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-144789-10 MSD
Matrix: Water
Analysis Batch: 476537

Client Sample ID: 1024-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	130		50.0	178		mg/L		91	90 - 110	2	15

Lab Sample ID: MB 580-476659/3
Matrix: Water
Analysis Batch: 476659

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			10/31/24 19:48	1
Chloride	ND		1.5		mg/L			10/31/24 19:48	1
Sulfate	ND		1.5		mg/L			10/31/24 19:48	1

Lab Sample ID: MB 580-476659/54
Matrix: Water
Analysis Batch: 476659

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.45		mg/L			11/01/24 06:32	1
Chloride	ND		1.5		mg/L			11/01/24 06:32	1
Sulfate	ND		1.5		mg/L			11/01/24 06:32	1

Lab Sample ID: LCS 580-476659/55
Matrix: Water
Analysis Batch: 476659

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	4.94		mg/L		99	90 - 110		
Chloride			50.0	51.0		mg/L		102	90 - 110		
Sulfate			50.0	51.3		mg/L		103	90 - 110		

Lab Sample ID: LCSD 580-476659/5
Matrix: Water
Analysis Batch: 476659

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	4.90		mg/L		98	90 - 110	0	15
Chloride			50.0	50.6		mg/L		101	90 - 110	0	15
Sulfate			50.0	50.7		mg/L		101	90 - 110	0	15

Lab Sample ID: LCSD 580-476659/56
Matrix: Water
Analysis Batch: 476659

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	0	15
Chloride			50.0	50.9		mg/L		102	90 - 110	0	15
Sulfate			50.0	51.2		mg/L		102	90 - 110	0	15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-144789-15 MS
Matrix: Water
Analysis Batch: 476659

Client Sample ID: 1024-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	180	F1	250	352	F1	mg/L		71	90 - 110

Lab Sample ID: 580-144789-15 MSD
Matrix: Water
Analysis Batch: 476659

Client Sample ID: 1024-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	180	F1	250	353	F1	mg/L		71	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 570-495233/5-A
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.075		mg/L		10/24/24 09:08	10/24/24 12:06	1

Lab Sample ID: LCS 570-495233/6-A
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	0.500	0.510		mg/L		102	90 - 110

Lab Sample ID: LCSD 570-495233/7-A
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 495233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	0.500	0.513		mg/L		103	90 - 110	1	20

Lab Sample ID: 580-144789-1 MS
Matrix: Water
Analysis Batch: 495265

Client Sample ID: 1024-01
Prep Type: Total/NA
Prep Batch: 495233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	ND		0.500	0.489		mg/L		98	90 - 110

Lab Sample ID: 580-144789-1 MSD
Matrix: Water
Analysis Batch: 495265

Client Sample ID: 1024-01
Prep Type: Total/NA
Prep Batch: 495233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	ND		0.500	0.507		mg/L		101	90 - 110	3	25

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 570-495235/5-A
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.075		mg/L		10/24/24 10:02	10/24/24 13:10	1

Lab Sample ID: LCS 570-495235/6-A
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	0.500	0.496		mg/L		99	90 - 110

Lab Sample ID: LCSD 570-495235/7-A
Matrix: Water
Analysis Batch: 495265

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 495235

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	0.500	0.509		mg/L		102	90 - 110	3	20

Lab Sample ID: 580-144789-20 MS
Matrix: Water
Analysis Batch: 495265

Client Sample ID: 1024-19
Prep Type: Total/NA
Prep Batch: 495235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	ND		0.500	0.488		mg/L		98	90 - 110

Lab Sample ID: 580-144789-20 MSD
Matrix: Water
Analysis Batch: 495265

Client Sample ID: 1024-19
Prep Type: Total/NA
Prep Batch: 495235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	ND		0.500	0.493		mg/L		99	90 - 110	1	25

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-565331/54
Matrix: Water
Analysis Batch: 565331

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		mg/L			10/19/24 08:43	1

Lab Sample ID: MB 410-565331/87
Matrix: Water
Analysis Batch: 565331

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		mg/L			10/19/24 09:49	1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 410-565331/52
Matrix: Water
Analysis Batch: 565331

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	2.00	1.84		mg/L		92	90 - 110

Lab Sample ID: LCS 410-565331/85
Matrix: Water
Analysis Batch: 565331

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	2.00	1.89		mg/L		94	90 - 110

Lab Sample ID: LCSD 410-565331/86
Matrix: Water
Analysis Batch: 565331

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	2.00	1.83		mg/L		92	90 - 110	14	20

Lab Sample ID: 580-144789-6 MS
Matrix: Water
Analysis Batch: 565331

Client Sample ID: 1024-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	ND	F1	1.00	0.841	F1	mg/L		84	90 - 110

Lab Sample ID: 580-144789-6 DU
Matrix: Water
Analysis Batch: 565331

Client Sample ID: 1024-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	ND	F1	ND		mg/L		NC	10

Lab Sample ID: MB 410-566400/21
Matrix: Water
Analysis Batch: 566400

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		mg/L			10/22/24 10:59	1

Lab Sample ID: MB 410-566400/54
Matrix: Water
Analysis Batch: 566400

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		mg/L			10/22/24 12:05	1

Lab Sample ID: LCS 410-566400/19
Matrix: Water
Analysis Batch: 566400

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	2.00	1.95		mg/L		97	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: LCS 410-566400/52
Matrix: Water
Analysis Batch: 566400

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	2.00	1.89		mg/L		95	90 - 110

Lab Sample ID: LCSD 410-566400/20
Matrix: Water
Analysis Batch: 566400

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	2.00	1.92		mg/L		96	90 - 110	2	20

Lab Sample ID: LCSD 410-566400/53
Matrix: Water
Analysis Batch: 566400

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	2.00	1.92		mg/L		96	90 - 110	1	20

Lab Sample ID: MB 410-566712/21
Matrix: Water
Analysis Batch: 566712

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		mg/L			10/22/24 16:38	1

Lab Sample ID: MB 410-566712/54
Matrix: Water
Analysis Batch: 566712

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		mg/L			10/22/24 17:44	1

Lab Sample ID: MB 410-566712/87
Matrix: Water
Analysis Batch: 566712

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		mg/L			10/22/24 18:50	1

Lab Sample ID: LCS 410-566712/19
Matrix: Water
Analysis Batch: 566712

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	2.00	2.04		mg/L		102	90 - 110

Lab Sample ID: LCS 410-566712/85
Matrix: Water
Analysis Batch: 566712

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	2.00	2.03		mg/L		102	90 - 110

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: LCSD 410-566712/20
Matrix: Water
Analysis Batch: 566712

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	2.00	2.06		mg/L		103	90 - 110	1	20

Lab Sample ID: LCSD 410-566712/86
Matrix: Water
Analysis Batch: 566712

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	2.00	2.08		mg/L		104	90 - 110	2	20

Lab Sample ID: 580-144789-17 MS
Matrix: Water
Analysis Batch: 566712

Client Sample ID: 1024-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	ND		1.00	1.04		mg/L		98	90 - 110

Lab Sample ID: 580-144789-17 DU
Matrix: Water
Analysis Batch: 566712

Client Sample ID: 1024-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrate Nitrite as N	ND		ND		mg/L		NC	10

Lab Sample ID: MB 410-567960/21
Matrix: Water
Analysis Batch: 567960

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		mg/L			10/25/24 10:08	1

Lab Sample ID: LCS 410-567960/19
Matrix: Water
Analysis Batch: 567960

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	2.00	1.99		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-567960/20
Matrix: Water
Analysis Batch: 567960

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	2.00	1.89		mg/L		94	90 - 110	5	20

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 410-571943/7
Matrix: Water
Analysis Batch: 571943

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0		mg/L			11/05/24 14:02	1

Lab Sample ID: LCS 410-571943/6
Matrix: Water
Analysis Batch: 571943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			50.0	49.0		mg/L		98	90 - 110		

Lab Sample ID: MRL 410-571943/3
Matrix: Water
Analysis Batch: 571943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon			1.00	0.846	J	mg/L		85	50 - 150		

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-475374/2
Matrix: Water
Analysis Batch: 475374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	98.5		mg/L		98	85 - 115		

Lab Sample ID: LCSD 580-475374/3
Matrix: Water
Analysis Batch: 475374

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	103		mg/L		103	85 - 115	5	20

Lab Sample ID: 580-144789-1 DU
Matrix: Water
Analysis Batch: 475374

Client Sample ID: 1024-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	350			352		mg/L				1	17
Bicarbonate Alkalinity as CaCO3	350			352		mg/L				1	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 580-475554/2
Matrix: Water
Analysis Batch: 475554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	103		mg/L		103	85 - 115		

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 580-475554/3
Matrix: Water
Analysis Batch: 475554

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	107		mg/L		107	85 - 115	3	20

Lab Sample ID: LCS 580-475588/2
Matrix: Water
Analysis Batch: 475588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity			100	98.5		mg/L		98	85 - 115		

Lab Sample ID: LCSD 580-475588/3
Matrix: Water
Analysis Batch: 475588

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	102		mg/L		102	85 - 115	4	20

Lab Sample ID: LCS 580-475683/2
Matrix: Water
Analysis Batch: 475683

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: LCSD 580-475683/3
Matrix: Water
Analysis Batch: 475683

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	7	20

Lab Sample ID: 580-144789-22 DU
Matrix: Water
Analysis Batch: 475683

Client Sample ID: 1024-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	760			767		mg/L				0.4	17
Bicarbonate Alkalinity as CaCO3	760			767		mg/L				0.4	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 580-474828/1
Matrix: Water
Analysis Batch: 474828

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			10/15/24 15:25	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 580-474828/2
Matrix: Water
Analysis Batch: 474828

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	1000		mg/L		100	80 - 120		

Lab Sample ID: 580-144789-17 DU
Matrix: Water
Analysis Batch: 474828

Client Sample ID: 1024-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1100			1050		mg/L				2	20

Lab Sample ID: MB 580-474965/1
Matrix: Water
Analysis Batch: 474965

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			mg/L			10/16/24 15:06	1

Lab Sample ID: LCS 580-474965/2
Matrix: Water
Analysis Batch: 474965

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	982		mg/L		97	80 - 120		

Lab Sample ID: 580-144789-22 DU
Matrix: Water
Analysis Batch: 474965

Client Sample ID: 1024-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1200			1330		mg/L				12	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-475800/3-A
Matrix: Water
Analysis Batch: 475850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 475800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		10/24/24 12:33	10/24/24 17:33	1

Lab Sample ID: LCS 580-475800/4-A
Matrix: Water
Analysis Batch: 475850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475800

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand			75.0	76.5		mg/L		102	80 - 120		

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-475800/5-A
Matrix: Water
Analysis Batch: 475850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 475800

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	71.6		mg/L		96	80 - 120	7	20

Lab Sample ID: MB 580-475990/3-A
Matrix: Water
Analysis Batch: 476007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 475990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		10/26/24 13:53	10/26/24 18:19	1

Lab Sample ID: LCS 580-475990/4-A
Matrix: Water
Analysis Batch: 476007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 475990

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand			75.0	77.2		mg/L		103	80 - 120

Lab Sample ID: LCSD 580-475990/5-A
Matrix: Water
Analysis Batch: 476007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 475990

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	75.8		mg/L		101	80 - 120	2	20

Lab Sample ID: MB 580-476235/3-A
Matrix: Water
Analysis Batch: 476271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 476235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		10/29/24 14:06	10/29/24 17:02	1

Lab Sample ID: LCS 580-476235/4-A
Matrix: Water
Analysis Batch: 476271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 476235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand			75.0	80.8		mg/L		108	80 - 120

Lab Sample ID: LCSD 580-476235/5-A
Matrix: Water
Analysis Batch: 476271

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 476235

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	80.8		mg/L		108	80 - 120	0	20

Lab Sample ID: 580-144789-12 MS
Matrix: Water
Analysis Batch: 476271

Client Sample ID: 1024-28
Prep Type: Total/NA
Prep Batch: 476235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND	F1	25.0	34.1	F1	mg/L		137	75 - 125

Method: SM 5220D - COD

Lab Sample ID: 580-144789-12 DU
Matrix: Water
Analysis Batch: 476271

Client Sample ID: 1024-28
Prep Type: Total/NA
Prep Batch: 476235

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 5310C - TOC

Lab Sample ID: MB 580-475755/4
Matrix: Water
Analysis Batch: 475755

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			10/23/24 10:47	1

Lab Sample ID: LCS 580-475755/5
Matrix: Water
Analysis Batch: 475755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	25.0	25.9		mg/L		104	85 - 115

Lab Sample ID: LCSD 580-475755/6
Matrix: Water
Analysis Batch: 475755

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
Total Organic Carbon	25.0	25.4		mg/L		102	85 - 115	2	20

Lab Sample ID: MB 580-476055/4
Matrix: Water
Analysis Batch: 476055

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			10/25/24 06:58	1

Lab Sample ID: LCS 580-476055/5
Matrix: Water
Analysis Batch: 476055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	25.0	27.4		mg/L		109	85 - 115

Lab Sample ID: LCSD 580-476055/6
Matrix: Water
Analysis Batch: 476055

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
Total Organic Carbon	25.0	25.2		mg/L		101	85 - 115	8	20

Method: SM 5310C - TOC (Continued)

Lab Sample ID: MB 580-476705/39
Matrix: Water
Analysis Batch: 476705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			11/02/24 17:45	1

Lab Sample ID: MB 580-476705/4
Matrix: Water
Analysis Batch: 476705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			11/01/24 19:37	1

Lab Sample ID: LCS 580-476705/40
Matrix: Water
Analysis Batch: 476705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	25.0	24.6		mg/L		98	85 - 115

Lab Sample ID: LCS 580-476705/5
Matrix: Water
Analysis Batch: 476705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	25.0	24.9		mg/L		100	85 - 115

Lab Sample ID: LCSD 580-476705/41
Matrix: Water
Analysis Batch: 476705

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
Total Organic Carbon	25.0	22.9		mg/L		92	85 - 115	4	20

Lab Sample ID: LCSD 580-476705/6
Matrix: Water
Analysis Batch: 476705

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
Total Organic Carbon	25.0	24.0		mg/L		96	85 - 115	4	20

Lab Sample ID: 580-144789-1 MS
Matrix: Water
Analysis Batch: 476705

Client Sample ID: 1024-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	ND		10.0	10.8		mg/L		98	85 - 115

Lab Sample ID: 580-144789-1 MSD
Matrix: Water
Analysis Batch: 476705

Client Sample ID: 1024-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	ND		10.0	11.1		mg/L		101	85 - 115	2	20

Method: SM 5310C - TOC

Lab Sample ID: 580-144789-24 MS
Matrix: Water
Analysis Batch: 476705

Client Sample ID: 1024-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	ND		10.0	11.1		mg/L		101	85 - 115

Lab Sample ID: 580-144789-24 MSD
Matrix: Water
Analysis Batch: 476705

Client Sample ID: 1024-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	ND		10.0	11.3		mg/L		104	85 - 115	2	20

Lab Sample ID: 580-144789-1 DU
Matrix: Water
Analysis Batch: 476705

Client Sample ID: 1024-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	ND		ND		mg/L		NC	20

Lab Sample ID: 580-144789-24 DU
Matrix: Water
Analysis Batch: 476705

Client Sample ID: 1024-22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	ND		ND		mg/L		NC	20

Lab Sample ID: MB 580-476844/4
Matrix: Water
Analysis Batch: 476844

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.5		mg/L			11/04/24 19:24	1

Lab Sample ID: LCS 580-476844/5
Matrix: Water
Analysis Batch: 476844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	25.0	23.2		mg/L		93	85 - 115

Lab Sample ID: LCSD 580-476844/6
Matrix: Water
Analysis Batch: 476844

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
Total Organic Carbon	25.0	23.5		mg/L		94	85 - 115	1	20

Lab Sample ID: 580-144789-2 MS
Matrix: Water
Analysis Batch: 476844

Client Sample ID: 1024-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	ND		10.0	10.6		mg/L		97	85 - 115

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Method: SM 5310C - TOC

Lab Sample ID: 580-144789-2 MSD
Matrix: Water
Analysis Batch: 476844

Client Sample ID: 1024-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	ND		10.0	10.2		mg/L		93	85 - 115	4	20

Lab Sample ID: 580-144789-2 DU
Matrix: Water
Analysis Batch: 476844

Client Sample ID: 1024-06
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	ND			ND		mg/L				NC	20

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-01
Date Collected: 10/08/24 15:25
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 13:55
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 16:09
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 09:51
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:39
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 02:47
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:11
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 09:31
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	475755	AUA	EET SEA	10/24/24 05:35

Client Sample ID: 1024-06
Date Collected: 10/08/24 14:26
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 14:18
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 16:32
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:01
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:51
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 02:59
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:13
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 09:33
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476844	AUA	EET SEA	11/04/24 21:18

Client Sample ID: 1024-02
Date Collected: 10/08/24 12:38
Date Received: 10/11/24 10:15

Lab Sample ID: 580-144789-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 14:41

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-02
Lab Sample ID: 580-144789-3
Date Collected: 10/08/24 12:38
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 16:55
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:03
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:27
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 03:11
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:15
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 09:35
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 00:39

Client Sample ID: 1024-03
Lab Sample ID: 580-144789-4
Date Collected: 10/08/24 11:39
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 15:04
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 17:19
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:05
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:25
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 03:23
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:17
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 09:37
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 01:17

Client Sample ID: 1024-07
Lab Sample ID: 580-144789-5
Date Collected: 10/08/24 10:44
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 15:28
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 17:42

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-07
Lab Sample ID: 580-144789-5
Date Collected: 10/08/24 10:44
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:19
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:22
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 03:34
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:19
Total/NA	Analysis	353.2		10	565331	Q3HN	ELLE	10/19/24 09:39
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 03:10

Client Sample ID: 1024-08
Lab Sample ID: 580-144789-6
Date Collected: 10/08/24 09:53
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 15:51
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 18:05
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:21
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:15
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 03:46
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:21
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 09:51
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	10/24/24 03:48

Client Sample ID: 1024-27
Lab Sample ID: 580-144789-7
Date Collected: 10/08/24 10:32
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 16:14
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 18:28

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-27
Lab Sample ID: 580-144789-7
Date Collected: 10/08/24 10:32
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:24
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:34
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 03:58
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:22
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 09:57
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 04:26

Client Sample ID: 1024-26
Lab Sample ID: 580-144789-8
Date Collected: 10/08/24 11:33
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 16:37
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 18:52
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:26
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:37
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 04:34
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:24
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 09:59
Total/NA	Analysis	5310 C-2014		1	571943	P684	ELLE	11/05/24 15:16
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02

Client Sample ID: 1024-11
Lab Sample ID: 580-144789-9
Date Collected: 10/08/24 12:40
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 17:01
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 19:15

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-11
Lab Sample ID: 580-144789-9
Date Collected: 10/08/24 12:40
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:28
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:44
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 04:46
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:26
Total/NA	Analysis	353.2		1	566400	Q3HN	ELLE	10/22/24 11:23
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 05:04

Client Sample ID: 1024-16
Lab Sample ID: 580-144789-10
Date Collected: 10/08/24 13:54
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 17:24
Total/NA	Analysis	8260D SIM		1	474739	AA	EET SEA	10/15/24 19:38
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:30
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 17:59
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 05:58
Total/NA	Analysis	300.0		10	476537	MLT	EET SEA	10/30/24 06:33
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:28
Total/NA	Analysis	353.2		1	566400	Q3HN	ELLE	10/22/24 11:25
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 05:41

Client Sample ID: 1024-17
Lab Sample ID: 580-144789-11
Date Collected: 10/08/24 14:46
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 17:47
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/15/24 23:07

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-17
Lab Sample ID: 580-144789-11
Date Collected: 10/08/24 14:46
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:33
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 18:10
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 07:09
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:46
Total/NA	Analysis	353.2		5	566400	Q3HN	ELLE	10/22/24 11:27
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			475990	MLT	EET SEA	10/26/24 13:53
Total/NA	Analysis	SM 5220D		1	476007	MLT	EET SEA	10/26/24 18:19
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 06:19

Client Sample ID: 1024-28
Lab Sample ID: 580-144789-12
Date Collected: 10/08/24 14:46
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 18:10
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/15/24 23:31
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:35
Total Recoverable	Prep	3005A			475966	MGS	EET SEA	10/25/24 17:59
Total Recoverable	Analysis	6020B		1	476058	CA	EET SEA	10/26/24 17:42
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 07:45
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:48
Total/NA	Analysis	353.2		10	566400	Q3HN	ELLE	10/22/24 11:53
Total/NA	Analysis	SM 2320B		1	475374	MLT	EET SEA	10/19/24 17:35
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 06:57

Client Sample ID: 1024-18
Lab Sample ID: 580-144789-13
Date Collected: 10/08/24 15:42
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474880	AA	EET SEA	10/16/24 18:34
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/15/24 23:54

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-18
Lab Sample ID: 580-144789-13
Date Collected: 10/08/24 15:42
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:37
Total Recoverable	Prep	3005A			475982	MCMS	EET SEA	10/26/24 12:30
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 19:36
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 07:57
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:50
Total/NA	Analysis	353.2		5	565331	Q3HN	ELLE	10/19/24 10:01
Total/NA	Analysis	SM 2320B		1	475554	MLT	EET SEA	10/22/24 13:32
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 07:35

Client Sample ID: 1024-10
Lab Sample ID: 580-144789-14
Date Collected: 10/09/24 09:46
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 00:46
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 00:17
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:40
Total Recoverable	Prep	3005A			476002	MCMS	EET SEA	10/26/24 15:12
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 20:35
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 08:09
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:52
Total/NA	Analysis	353.2		1	566400	Q3HN	ELLE	10/22/24 12:59
Total/NA	Analysis	SM 2320B		1	475588	MLT	EET SEA	10/22/24 16:24
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 08:14

Client Sample ID: 1024-09
Lab Sample ID: 580-144789-15
Date Collected: 10/09/24 10:36
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 01:09
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 00:40

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-09
Lab Sample ID: 580-144789-15
Date Collected: 10/09/24 10:36
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	Filtration			497888	RL6Q	EET CAL 4	10/31/24 15:01
Dissolved	Analysis	6010D		1	497988	VZ0K	EET CAL 4	10/31/24 17:07
Total Recoverable	Prep	3005A			476002	MCMS	EET SEA	10/26/24 15:12
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 20:38
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 08:21
Total/NA	Analysis	300.0		5	476659	FCG	EET SEA	11/01/24 07:08
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:54
Total/NA	Analysis	353.2		10	566712	Q3HN	ELLE	10/22/24 16:46
Total/NA	Analysis	SM 2320B		1	475588	MLT	EET SEA	10/22/24 16:24
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 08:52

Client Sample ID: 1024-14
Lab Sample ID: 580-144789-16
Date Collected: 10/09/24 12:54
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 01:32
Total/NA	Analysis	8260D	RA	1	475080	K1K	EET SEA	10/17/24 18:30
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 01:04
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:47
Total Recoverable	Prep	3005A			475982	MCMS	EET SEA	10/26/24 12:30
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 19:43
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 08:33
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:55
Total/NA	Analysis	353.2		20	566712	Q3HN	ELLE	10/22/24 16:48
Total/NA	Analysis	SM 2320B		1	475588	MLT	EET SEA	10/22/24 16:24
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 10:44

Client Sample ID: 1024-23
Lab Sample ID: 580-144789-17
Date Collected: 10/09/24 14:00
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 01:55

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-23
Lab Sample ID: 580-144789-17
Date Collected: 10/09/24 14:00
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 01:27
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:50
Total Recoverable	Prep	3005A			475982	MCMS	EET SEA	10/26/24 12:30
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 18:29
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 08:44
Total/NA	Analysis	300.0		5	476659	FCG	EET SEA	11/01/24 07:43
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:57
Total/NA	Analysis	353.2		1	566712	Q3HN	ELLE	10/22/24 18:58
Total/NA	Analysis	SM 2320B		1	475588	MLT	EET SEA	10/22/24 16:24
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 11:22

Client Sample ID: 1024-24
Lab Sample ID: 580-144789-18
Date Collected: 10/09/24 14:43
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		10	567960	Q3HN	ELLE	10/25/24 10:44

Client Sample ID: 1024-20
Lab Sample ID: 580-144789-19
Date Collected: 10/09/24 09:17
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 02:19
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 01:50
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:52
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 21:59
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 08:56
Total/NA	Prep	Distill/Ammonia			495233	UXCH	EET CAL 4	10/24/24 09:08
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 12:59
Total/NA	Analysis	353.2		10	566712	Q3HN	ELLE	10/22/24 16:50
Total/NA	Analysis	SM 2320B		1	475588	MLT	EET SEA	10/22/24 16:24
Total/NA	Analysis	SM 2540C		1	474828	CSS	EET SEA	10/15/24 15:25
Total/NA	Prep	SM 5220			476235	MLT	EET SEA	10/29/24 14:06
Total/NA	Analysis	SM 5220D		1	476271	MLT	EET SEA	10/29/24 17:02
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 12:01

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-19
Lab Sample ID: 580-144789-20
Date Collected: 10/09/24 09:58
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 02:42
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 02:13
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:54
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 22:02
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 09:08
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:16
Total/NA	Analysis	353.2		1	566712	Q3HN	ELLE	10/22/24 16:52
Total/NA	Analysis	SM 2320B		1	475588	MLT	EET SEA	10/22/24 16:24
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 12:39

Client Sample ID: 1024-29
Lab Sample ID: 580-144789-21
Date Collected: 10/09/24 10:10
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/16/24 23:59
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 02:37
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:57
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 21:30
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 09:20
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:17
Total/NA	Analysis	353.2		1	566712	Q3HN	ELLE	10/22/24 16:58
Total/NA	Analysis	SM 2320B		1	475588	MLT	EET SEA	10/22/24 16:42
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476055	AUA	EET SEA	10/26/24 00:59

Client Sample ID: 1024-05
Lab Sample ID: 580-144789-22
Date Collected: 10/09/24 10:59
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 00:22

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-05
Lab Sample ID: 580-144789-22
Date Collected: 10/09/24 10:59
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	RA	1	475080	K1K	EET SEA	10/17/24 18:53
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 03:00
Dissolved	Prep	3005A			495354	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 10:59
Total Recoverable	Prep	3005A			475982	MCMS	EET SEA	10/26/24 12:30
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 19:12
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 09:32
Total/NA	Analysis	300.0		5	476659	FCG	EET SEA	11/01/24 07:55
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:19
Total/NA	Analysis	353.2		1	566712	Q3HN	ELLE	10/22/24 17:00
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476055	AUA	EET SEA	10/26/24 01:36

Client Sample ID: 1024-04
Lab Sample ID: 580-144789-23
Date Collected: 10/09/24 11:50
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 03:29
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 03:23
Dissolved	Prep	3005A			495358	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 11:08
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 22:06
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 10:08
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:21
Total/NA	Analysis	353.2		1	566712	Q3HN	ELLE	10/22/24 17:02
Total/NA	Analysis	5310 C-2014		1	571943	P684	ELLE	11/05/24 15:35
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-22
Lab Sample ID: 580-144789-24
Date Collected: 10/09/24 12:48
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 03:05
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 03:47
Dissolved	Prep	3005A			495358	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 11:23
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 22:21
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 10:20
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:23
Total/NA	Analysis	353.2		1	566712	Q3HN	ELLE	10/22/24 17:04
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 19:38

Client Sample ID: 1024-21
Lab Sample ID: 580-144789-25
Date Collected: 10/09/24 13:21
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 03:52
Total/NA	Analysis	8260D	RA	1	475080	K1K	EET SEA	10/17/24 20:03
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 05:43
Dissolved	Filtration	Filtration			497888	RL6Q	EET CAL 4	10/31/24 15:01
Dissolved	Analysis	6010D		1	497988	VZ0K	EET CAL 4	10/31/24 17:09
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 22:16
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 10:32
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:25
Total/NA	Analysis	353.2		20	566712	Q3HN	ELLE	10/22/24 17:06
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	10/02/24 22:10

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-15
Lab Sample ID: 580-144789-26
Date Collected: 10/09/24 14:00
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 04:15
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 04:10
Dissolved	Prep	3005A			495358	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 11:26
Total Recoverable	Prep	3005A			475982	MCMS	EET SEA	10/26/24 12:30
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 19:31
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 10:44
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:27
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 10:03
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/02/24 22:48

Client Sample ID: 1024-25
Lab Sample ID: 580-144789-27
Date Collected: 10/09/24 14:30
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	474999	K1K	EET SEA	10/17/24 04:38
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 04:33
Dissolved	Prep	3005A			495358	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 11:28
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 22:14
Total/NA	Analysis	300.0		1	476537	MLT	EET SEA	10/30/24 10:56
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:28
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 10:09
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	10/24/24 23:26

Client Sample ID: 1024-12
Lab Sample ID: 580-144789-28
Date Collected: 10/10/24 10:35
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475014	JBT	EET SEA	10/17/24 03:14

Lab Chronicle

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

Client Sample ID: 1024-12
Lab Sample ID: 580-144789-28
Date Collected: 10/10/24 10:35
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	RA	1	475080	K1K	EET SEA	10/17/24 19:17
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 04:56
Dissolved	Prep	3005A			495358	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 11:30
Total Recoverable	Prep	3005A			475982	MCMS	EET SEA	10/26/24 12:30
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 19:05
Total/NA	Analysis	300.0		1	474993	FCG	EET SEA	10/12/24 21:47
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:30
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 10:11
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/03/24 01:20

Client Sample ID: 1024-13
Lab Sample ID: 580-144789-29
Date Collected: 10/10/24 11:27
Matrix: Water
Date Received: 10/11/24 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	475014	JBT	EET SEA	10/17/24 03:37
Total/NA	Analysis	8260D	RA	1	475080	K1K	EET SEA	10/17/24 19:40
Total/NA	Analysis	8260D SIM		1	474849	AA	EET SEA	10/16/24 05:20
Dissolved	Prep	3005A			495358	UFLE	EET CAL 4	10/24/24 16:30
Dissolved	Analysis	6010D		1	496455	VZ0K	EET CAL 4	10/28/24 11:32
Total Recoverable	Prep	3005A			475983	MCMS	EET SEA	10/26/24 12:52
Total Recoverable	Analysis	6020B		1	476210	CA	EET SEA	10/28/24 22:18
Total/NA	Analysis	300.0		1	474993	FCG	EET SEA	10/12/24 22:10
Total/NA	Analysis	300.0		5	474993	FCG	EET SEA	10/12/24 22:46
Total/NA	Prep	Distill/Ammonia			495235	UXCH	EET CAL 4	10/24/24 10:02
Total/NA	Analysis	350.1		1	495265	UXCH	EET CAL 4	10/24/24 13:32
Total/NA	Analysis	353.2		1	565331	Q3HN	ELLE	10/19/24 10:13
Total/NA	Analysis	SM 2320B		1	475683	MLT	EET SEA	10/23/24 12:35
Total/NA	Analysis	SM 2540C		1	474965	CSS	EET SEA	10/16/24 15:06
Total/NA	Prep	SM 5220			475800	MLT	EET SEA	10/24/24 12:33
Total/NA	Analysis	SM 5220D		1	475850	MLT	EET SEA	10/24/24 17:33
Total/NA	Analysis	SM 5310C		1	476705	AUA	EET SEA	11/03/24 01:58

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
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

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	C788-24	07-13-25

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
8260D SIM		Water	Vinyl chloride
SM 2320B		Water	Hydroxide Alkalinity as CaCO3

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	11-15-24
Arkansas DEQ	State	88-0161	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-24
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	12-31-24

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	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25

Client: SCS Engineers
Job ID: 580-144789-1
Project/Site: Coupeville SW Facility GW 2024

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
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-24
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-25
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville SW Facility GW 2024

Job ID: 580-144789-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-144789-1	1024-01	Water	10/08/24 15:25	10/11/24 10:15
580-144789-2	1024-06	Water	10/08/24 14:26	10/11/24 10:15
580-144789-3	1024-02	Water	10/08/24 12:38	10/11/24 10:15
580-144789-4	1024-03	Water	10/08/24 11:39	10/11/24 10:15
580-144789-5	1024-07	Water	10/08/24 10:44	10/11/24 10:15
580-144789-6	1024-08	Water	10/08/24 09:53	10/11/24 10:15
580-144789-7	1024-27	Water	10/08/24 10:32	10/11/24 10:15
580-144789-8	1024-26	Water	10/08/24 11:33	10/11/24 10:15
580-144789-9	1024-11	Water	10/08/24 12:40	10/11/24 10:15
580-144789-10	1024-16	Water	10/08/24 13:54	10/11/24 10:15
580-144789-11	1024-17	Water	10/08/24 14:46	10/11/24 10:15
580-144789-12	1024-28	Water	10/08/24 14:46	10/11/24 10:15
580-144789-13	1024-18	Water	10/08/24 15:42	10/11/24 10:15
580-144789-14	1024-10	Water	10/09/24 09:46	10/11/24 10:15
580-144789-15	1024-09	Water	10/09/24 10:36	10/11/24 10:15
580-144789-16	1024-14	Water	10/09/24 12:54	10/11/24 10:15
580-144789-17	1024-23	Water	10/09/24 14:00	10/11/24 10:15
580-144789-18	1024-24	Water	10/09/24 14:43	10/11/24 10:15
580-144789-19	1024-20	Water	10/09/24 09:17	10/11/24 10:15
580-144789-20	1024-19	Water	10/09/24 09:58	10/11/24 10:15
580-144789-21	1024-29	Water	10/09/24 10:10	10/11/24 10:15
580-144789-22	1024-05	Water	10/09/24 10:59	10/11/24 10:15
580-144789-23	1024-04	Water	10/09/24 11:50	10/11/24 10:15
580-144789-24	1024-22	Water	10/09/24 12:48	10/11/24 10:15
580-144789-25	1024-21	Water	10/09/24 13:21	10/11/24 10:15
580-144789-26	1024-15	Water	10/09/24 14:00	10/11/24 10:15
580-144789-27	1024-25	Water	10/09/24 14:30	10/11/24 10:15
580-144789-28	1024-12	Water	10/10/24 10:35	10/11/24 10:15
580-144789-29	1024-13	Water	10/10/24 11:27	10/11/24 10:15

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JE/AD	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-64109-18230.4
Client Contact: Jovany Estrada	Phone: 425-507-6703	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: WA	Page: Page 4 of 6
Company: SCS Engineers	PWSID:			Job #: 04224235.24
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: standard			
City: Bellevue	TAT Requested (days):			
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#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
D - HNO3
A - HCL
Other:

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)	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	Special Instructions/Note:
			Preservation Code:				S	S	S	N	D	D	A	N	N							
1024-01	10/8/24	1525	G	Water	Y	N	X	X	X	X	X	X	X	X	X							
1024-06		1426		Water																		
1024-02		1238		Water																		
1024-03		1139		Water																		
1024-07		1044		Water																		
1024-08		0953		Water																		
1008-27		1032		Water																		
1008-26		1133		Water																		
1008-11		1240		Water																		
1008-16		1354		Water																		
1008-17	↓	1446	↓	Water	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓							

580-144789 Chain of Custody

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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	10/10/24 1015		Brook Moore	10/11/24 1015	EETN
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: 0.5°C

11/6/2024
Page 149 of 177

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JE/AD	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-64109-18230.5
Client Contact: Jovany Estrada	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: WA	Page: Page 5 of 6
Company: SCS Engineers	PWSID:	Analysis Requested		Job #: 04224035.24
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: standard			Preservation Codes: S - H2SO4, N - None, D - HNO3, A - HCL
City: Bellevue	TAT Requested (days):			
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 #:			Other:
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)	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	Special Instructions/Note:
			Preservation Code:				S	S	S	N	D	D	A	N	N						
1008-28	10/8/24	1446	G	Water	Y	N	X	X	X	X	X	X	X	X	X						
1008-18	10/8/24	1542		Water																	
1024-10	10/9/24	0946		Water																	
1024-09		1036		Water																	
1024-14		1254		Water																	
1024-23		1400		Water																	
1024-24		1443		Water	N										X						
1009-20		0917		Water	Y	X	X	X	X	X	X	X	X	X	X						
1009-19		0958		Water																	
1009-29		1010		Water																	
1009-05		1059		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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	10/10/24 1015	SCS	Brad Moore	10/11/24	EETN
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:

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JE/AD	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-64109-18230.1
Client Contact: Jovany Estrada	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: WA	Page: Page 1 of 6
Company: SCS Engineers	PWSID:			Job #: 04224035.24
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: Standard			
City: Bellevue	TAT Requested (days):			
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#:			

Analysis Requested

Preservation Codes:
S - H2SO4
N - None
D - HNO3
A - HCL
Other:

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)	m MS	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	Special Instructions/Note:
			Preservation Code:				S	S	S	N	D	D	A	N	N						
1009-04	10/9/24	1150	G	Water	Y	N	X	X	X	X	X	X	X	X	X						please filter -15, -25 for diss. metals
1009-22		1248		Water																	
1009-21		1321		Water																	
1009-15		1400		Water	N																
1009-25		1430		Water	N																
1024-12	10/10/24	1035		Water	Y																
1024-13		1127		Water	Y																
				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:	Date/Time:	Company	Received by:	Date/Time:	Company
Jovany Estrada	10/11/24 1015	SCS	Brook Moore	10/11/24	EETN
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:

Ver: 05/06/2024

Cooler 1 of 7
obs 9.5 corr 9.9 ID 14
cooler LB Bub wet ice
courier

Cooler 2 of 7
obs 2.0 corr 2.4 ID 14
cooler LG Bub wet ice

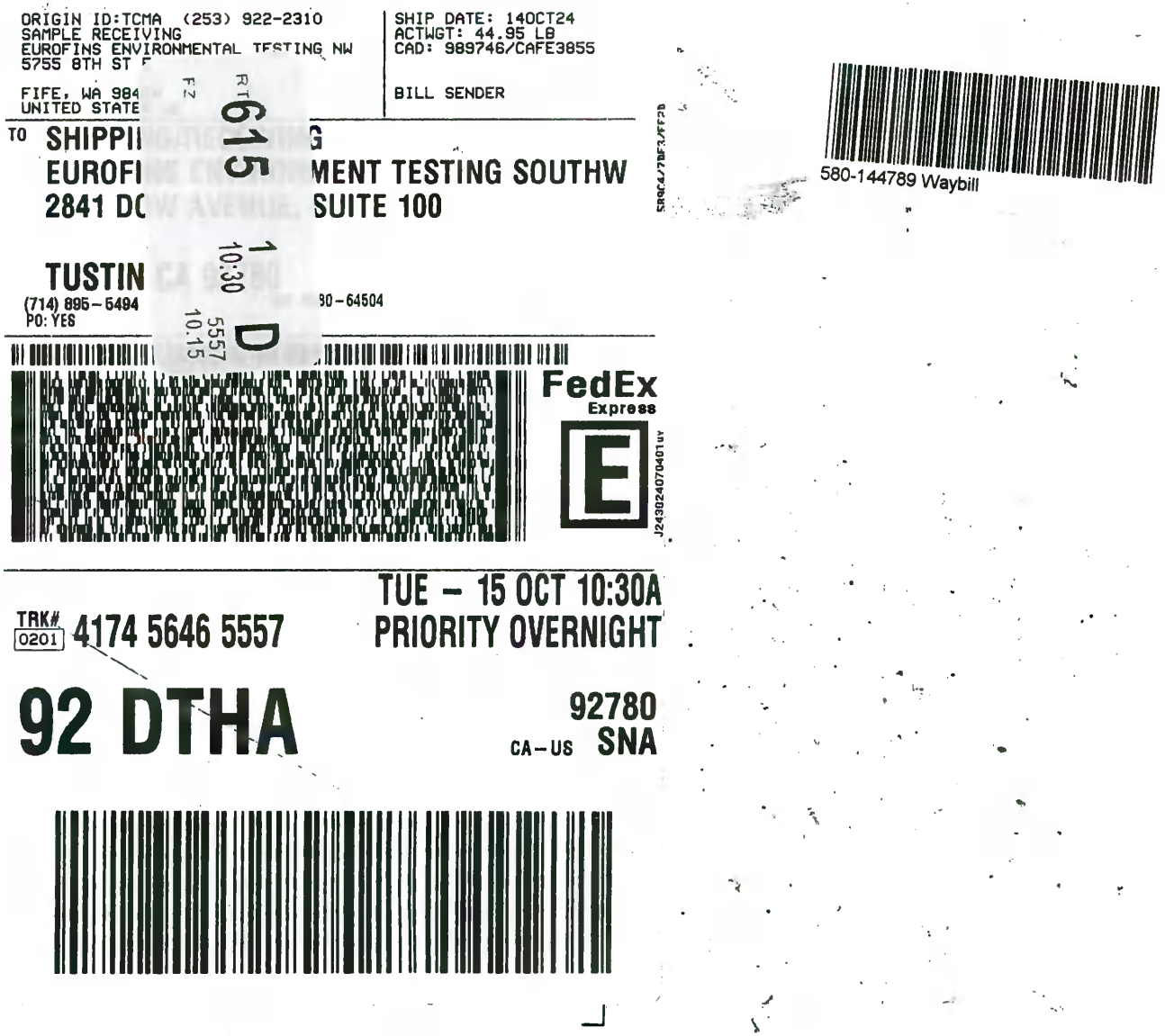
Cooler 3 of 7
obs 4.0 corr 4.4 ID 14
cooler LR Bub wet ice

Cooler 4 of 7
Obs 10.8°C corr 10.2 ID #11
Cooler LB Bub wet ice

Cooler 5 of 7
Obs 9.1°C corr 8.5 ID #11
Cooler LB Bub wet Ice

Cooler 6 of 7
Obs 5.6°C Corr 5.0 ID #11
Cooler LB Bub wet Ice

Cooler 7 of 7
Obs 7.8°C Corr 7.8 ID #11
Cooler LB Bub wet Ice


ORIGIN ID:TCMA (253) 922-2310
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTING NW
5755 8TH ST
FIFE, WA 984
UNITED STATE
SHIP DATE: 14OCT24
ACTWGT: 44.95 LB
CAD: 989746/CAFE3855
BILL SENDER
TO SHIPPI G
EUROFI MENT TESTING SOUTHW
2841 DC SUITE 100
TUSTIN
(714) 895-6494
PO: YES
80-64504
580-144789 Waybill
FedEx
Express
TRK# 0201 4174 5646 5557
TUE - 15 OCT 10:30A
PRIORITY OVERNIGHT
92 DTHA
92780
CA-US SNA



ORIGIN ID:TCMA (253) 922-2310
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTING NW
5755 8TH ST E

FIFE, WA 98424
UNITED STATES US

SHIP DATE: 15OCT24
ACTWGT: 5.00 LB MAN
CAD: 989746/CAFE3855

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING SOUTHW
2841 DOW AVENUE, SUITE 100

TUSTIN CA 92780
(714) 895-5494
PO: YES

REF: S580-64520

FedEx Express

TRK# 0201 4174 5646 5958

WED - 16 OCT 10:30A
PRIORITY OVERNIGHT

92 DTHA

92780
CA-US SNA

580-144789 Waybill


eurofi
eurofins
nent Testing
580-144789 Waybill
566-3087
PRIORITY OVERNIGHT
ORIGIN ID:TCMA (253) 922-231
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTIN
5755 8TH ST E
FIFE, WA 98424
UNITED STATES US
TO SHIPPING/RECEIVIN
EUROFINS ENVIRON
2841 DOW AVENUE,
TUSTIN CA 92780
(714) 895-5494
PO: YES
REF: S
3 of 5
MPS# 0263 4174 5646 7582
Mstr# 4174 5646 7560
92 DTHA
ORIGIN ID:TCMA (253) 922-2310
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTING
5755 8TH ST E
FIFE, WA 98424
UNITED STATES US
TO SHIPPING/RECEIVING
EUROFINS ENVIRONM
2841 DOW AVENUE, S
TUSTIN CA 92780
(714) 895-5494
PO: YES
REF: S5
2 of 5
MPS# 0263 4174 5646 7571
Mstr# 4174 5646 7560
92 DTHA
ORIGIN ID:TCMA (253) 922-23
SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTI
5755 8TH ST E
FIFE, WA 98424
UNITED STATES US
TO SHIPPING/RECEIVI
EUROFINS ENVIRO
2841 DOW AVENUE
TUSTIN CA 92780
(714) 895-5494
PO: YES
5 of 5
MPS# 0263 4174 5646 76
Mstr# 4174 5646 7560
92 DTH
EUROFINS ENVIRONMENT TESTING SPUH
2841 DOW AVE
STE 100
TUSTIN CA
92780-7270
SHIP DATE: 22OCT24
ACTWGT: 50.00 LB MAN
CAD: 989746/CAFE3855
BILL SENDER
FIFE, WA 98424
UNITED STATES US
TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING SOUTHW
2841 DOW AVENUE, SUITE 100
TUSTIN CA 92780
(714) 895-5494
PO: YES
REF: S580-64629
1 of 5
TRK# 0201 4174 5646 7560
MASTER
92 DTHA
WED - 23 OCT 10:3
PRIORITY OVERNIG
CA-US

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138138.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 3
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2425 New Holland Pike,	Due Date Requested: 10/24/2024	Analysis Requested		Preservation Codes: -
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			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/oil, 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:						
1024-01 (580-144789-1)	10/8/24	15:25 Pacific	G	Water			X	1	
1024-06 (580-144789-2)	10/8/24	14:26 Pacific	G	Water			X	1	
1024-02 (580-144789-3)	10/8/24	12:38 Pacific	G	Water			X	1	
1024-03 (580-144789-4)	10/8/24	11:39 Pacific	G	Water			X	1	
1024-07 (580-144789-5)	10/8/24	10:44 Pacific	G	Water			X	1	
1024-08 (580-144789-6)	10/8/24	09:53 Pacific	G	Water			X	1	
1008-27 (580-144789-7)	10/8/24	10:32 Pacific	G	Water			X	1	
1008-26 (580-144789-8)	10/8/24	11:33 Pacific	G	Water			X	1	
1008-11 (580-144789-9)	10/8/24	12:40 Pacific	G	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: Unconfirmed	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) 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:	Company
[signature]	10/16/24 13:38	EET			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/17/24 10:30	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.5/0.9 1.5/0.9

IM

Ver: 05/06/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138138.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 3
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			Other:

Analysis Requested

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)	Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1008-16 (580-144789-10)	10/8/24	13:54 Pacific	G	Water			X	1	
1008-17 (580-144789-11)	10/8/24	14:46 Pacific	G	Water			X	1	
1008-28 (580-144789-12)	10/8/24	14:46 Pacific	G	Water			X	1	
1008-18 (580-144789-13)	10/8/24	15:42 Pacific	G	Water			X		
1024-10 (580-144789-14)	10/9/24	09:46 Pacific	G	Water			X	1	
1024-09 (580-144789-15)	10/9/24	10:36 Pacific	G	Water			X	1	
1024-23 (580-144789-17)	10/9/24	14:00 Pacific	G	Water			X	1	
1009-20 (580-144789-19)	10/9/24	09:17 Pacific	G	Water			X	1	
1009-19 (580-144789-20)	10/9/24	09:58 Pacific	G	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:	Company	Received by:	Date/Time:	Company
[signature]	10/16/24 13:38	ET			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			[signature]	10/17/24 10:30	~~Company~~ ET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.5/0.9 1.5/0.9

Ver: 05/06/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138138.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 3 of 3
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			Other:

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)	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1009-29 (580-144789-21)	10/9/24	10:10 Pacific	G	Water			X	1	
1009-05 (580-144789-22)	10/9/24	10:59 Pacific	G	Water			X	1	
1009-04 (580-144789-23)	10/9/24	11:50 Pacific	G	Water			X	1	
1009-22 (580-144789-24)	10/9/24	12:48 Pacific	G	Water			X	1	
1009-21 (580-144789-25)	10/9/24	13:21 Pacific	G	Water			X	1	
1009-15 (580-144789-26)	10/9/24	14:00 Pacific	G	Water			X	1	
1009-25 (580-144789-27)	10/9/24	14:30 Pacific	G	Water			X	1	
1024-12 (580-144789-28)	10/10/24	10:35 Pacific	G	Water			X	1	
1024-13 (580-144789-29)	10/10/24	11:27 Pacific	G	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:	Company	Received by:	Date/Time:	Company
1	[signature]	10/16/24 13:38	EET			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 10/17/24 10:30	Company EET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.5/0.9 1.5/0.9

Ver: 05/06/2024

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 570-403426.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2425 New Holland Pike,	Due Date Requested: 10/24/2024			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

Other:

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)	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1024-14 (580-144789-16)	10/9/24	12:54 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Calscience 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 Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.

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:	Company
		10/16 1210	EC			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10-17-24 10:30	Company ELLET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 20.7- 20.3

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138228.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 10/24/2024			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			

Analysis Requested

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)	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1024-24 (580-144789-18)	10/9/24	14:43 Pacific	G	Water			X	1	

Preservation Codes:
-

Other:

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:	Company
1		10/18/24 1515	EGLV			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/21/24 0015	Company ECLS

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.5.6 C: 0.4

HAE

Ver: 05/06/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | En

Loc: 580
144789

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138051.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 3
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/24/2024			Preservation Codes:
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			Other:

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)	350.1/Distill_Ammonia Ammonia	Total Number of containers	Special Instr
			Preservation Code:						
1024-01 (580-144789-1)	10/8/24	15:25 Pacific	G	Water			X	1	
1024-06 (580-144789-2)	10/8/24	14:26 Pacific	G	Water			X	1	
1024-02 (580-144789-3)	10/8/24	12:38 Pacific	G	Water			X	1	
1024-03 (580-144789-4)	10/8/24	11:39 Pacific	G	Water			X	1	
1024-07 (580-144789-5)	10/8/24	10:44 Pacific	G	Water			X	1	
1024-08 (580-144789-6)	10/8/24	09:53 Pacific	G	Water			X	1	
1008-27 (580-144789-7)	10/8/24	10:32 Pacific	G	Water			X	1	
1008-26 (580-144789-8)	10/8/24	11:33 Pacific	G	Water			X	1	
1008-11 (580-144789-9)	10/8/24	12:40 Pacific	G	Water			X	1	

Analysis Requested

580-144789 Chain of Custody

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:	Company
[signature]	10/14/24 1600	ECTN	Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by: [signature]	Date/Time: 10/15/24 1000	Company EC
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: 0.8/1.5 SCR

Ver: 05/06/2024

11/6/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138051.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 3
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/24/2024			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
-
Other:

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)	350.1/Distill_Ammonia Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1008-16 (580-144789-10)	10/8/24	13:54 Pacific	G	Water			X	1	
1008-17 (580-144789-11)	10/8/24	14:46 Pacific	G	Water			X	1	
1008-28 (580-144789-12)	10/8/24	14:46 Pacific	G	Water			X	1	
1008-18 (580-144789-13)	10/8/24	15:42 Pacific	G	Water			X	1	
1024-10 (580-144789-14)	10/9/24	09:46 Pacific	G	Water			X	1	
1024-09 (580-144789-15)	10/9/24	10:36 Pacific	G	Water			X	1	
1024-14 (580-144789-16)	10/9/24	12:54 Pacific	G	Water			X	2	
1009-20 (580-144789-19)	10/9/24	09:17 Pacific	G	Water			X	1	
1009-19 (580-144789-20)	10/9/24	09:58 Pacific	G	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 *Unconfirmed*	***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) 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:	Company
	10/14/24 1600	EETN	Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by:	Date/Time: 10/15/24 1000	Company ET
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: 0.8 / 1.5 SC12

Ver: 05/06/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138051.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 3 of 3
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			Other:

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)	350.1/Distill_Ammonia Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1009-29 (580-144789-21)	10/9/24	10:10 Pacific	G	Water			X	1	
1009-05 (580-144789-22)	10/9/24	10:59 Pacific	G	Water			X	1	
1009-22 (580-144789-24)	10/9/24	12:48 Pacific	G	Water			X	1	
1009-21 (580-144789-25)	10/9/24	13:21 Pacific	G	Water			X	1	
1009-15 (580-144789-26)	10/9/24	14:00 Pacific	G	Water			X	1	
1009-25 (580-144789-27)	10/9/24	14:30 Pacific	G	Water			X	1	
1024-12 (580-144789-28)	10/10/24	10:35 Pacific	G	Water			X	1	
1024-13 (580-144789-29)	10/10/24	11:27 Pacific	G	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:	Company	Received by:	Date/Time:	Company
[signature]	10/14/24 1600	EETN	Fedex		
Relinquished by: Fedex	Date/Time:	Company	Received by: [signature]	Date/Time: 10/15/24 1000	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		0.8/1.5 SCR

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780
Phone: 714-895-5494

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 570-403426.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State Washington		Job #: 580-144789-1
Address: 2425 New Holland Pike,	Due Date Requested: 10/24/2024			Preservation Codes:
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Emai	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			Other:

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)	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1024-14 (580-144789-16)	10/9/24	12:54 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Calscience 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 Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.

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: 10/16 1210	Company EC	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:

Ver: 05/06/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schick, Laura	Carrier Tracking No(s):	COC No: 580-138092.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site:	SSOW#:			Other:

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)	350.1/Distill_Ammonia Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1024-23 (580-144789-17)	10/9/24	14:00 Pacific	G	Water			X	1	
1009-04 (580-144789-23)	10/9/24	11:50 Pacific	G	Water			X	1	

Analysis Requested

580-144789 Chain of Custody

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:	Company
	10/15/24 1435	ET			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/16/24 9:35	Company ET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9/2.9 SC14

Ver: 05/06/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Loc: 580
144789

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Schick, Laura	Carrier Tracking No(s): N/A	COC No: 580-138341.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 4
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

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)	6010D/FIELD_FLTRD Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	6010D/Filtration_ME Lab Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	Total Number of containers	Special Inst
			Preservation Code:							
1024-01 (580-144789-1)	10/8/24	15:25 Pacific	G	Water			X		2	
1024-06 (580-144789-2)	10/8/24	14:26 Pacific	G	Water			X		2	
1024-02 (580-144789-3)	10/8/24	12:38 Pacific	G	Water			X		2	
1024-03 (580-144789-4)	10/8/24	11:39 Pacific	G	Water			X		2	
1024-07 (580-144789-5)	10/8/24	10:44 Pacific	G	Water			X		2	
1024-08 (580-144789-6)	10/8/24	09:53 Pacific	G	Water			X		2	
1008-27 (580-144789-7)	10/8/24	10:32 Pacific	G	Water			X		2	
1008-26 (580-144789-8)	10/8/24	11:33 Pacific	G	Water			X		2	
1008-11 (580-144789-9)	10/8/24	12:40 Pacific	G	Water			X		2	

580-144789 Chain of Custody

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: Unconfirmed	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) 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:	Company
Relinquished by:	Date/Time: 10-22-24 15:00	Company EETN	Received by:	Date/Time: 10/23/24 0945	Company ET
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: 1.5/2.5 0.7/1.7 1.2/2.5 0.9/1.9 SC14

Ver: 10/10/2024

11/6/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Schick, Laura	Carrier Tracking No(s): N/A	COC No: 580-138341.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 4
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site: N/A	SSOW#: N/A			Other: N/A

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)	Analysis Requested: 6010D/FIELD_FLTRD Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	Analysis Requested: 6010D/Filtration_ME Lab Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
1008-16 (580-144789-10)	10/8/24	13:54 Pacific	G	Water			X		2	
1008-17 (580-144789-11)	10/8/24	14:46 Pacific	G	Water			X		2	
1008-28 (580-144789-12)	10/8/24	14:46 Pacific	G	Water			X		2	
1008-18 (580-144789-13)	10/8/24	15:42 Pacific	G	Water			X		2	
1024-10 (580-144789-14)	10/9/24	09:46 Pacific	G	Water			X		2	
1024-09 (580-144789-15)	10/9/24	10:36 Pacific	G	Water				X	2	
1024-14 (580-144789-16)	10/9/24	12:54 Pacific	G	Water			X		2	
1024-23 (580-144789-17)	10/9/24	14:00 Pacific	G	Water			X		2	
1009-20 (580-144789-19)	10/9/24	09:17 Pacific	G	Water			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) 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:	Company
Relinquished by:	Date/Time: 10-22-24 1500	Company EETN	Received by:	Date/Time: 10/23/24 0945	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:

Ver: 10/10/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Schick, Laura	Carrier Tracking No(s): N/A	COC No: 580-138341.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 3 of 4
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site: N/A	SSOW#: N/A			Other: N/A

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)	Analysis Requested: 6010D/FIELD_FLTRD Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	Analysis Requested: 6010D/Filtration_ME Lab Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
1009-19 (580-144789-20)	10/9/24	09:58 Pacific	G	Water			X		2	
1009-29 (580-144789-21)	10/9/24	10:10 Pacific	G	Water			X		2	
1009-05 (580-144789-22)	10/9/24	10:59 Pacific	G	Water			X		2	
1009-04 (580-144789-23)	10/9/24	11:50 Pacific	G	Water			X		2	
1009-22 (580-144789-24)	10/9/24	12:48 Pacific	G	Water			X		2	
1009-21 (580-144789-25)	10/9/24	13:21 Pacific	G	Water				X	2	
1009-15 (580-144789-26)	10/9/24	14:00 Pacific	G	Water			X		2	
1009-25 (580-144789-27)	10/9/24	14:30 Pacific	G	Water			X		2	
1024-12 (580-144789-28)	10/10/24	10:35 Pacific	G	Water			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) 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:	Company
Relinquished by:	Date/Time: 10-22-24 1500	Company EEIN	Received by:	Date/Time: 10/23/24 0145	Company E
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:

Ver: 10/10/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Schick, Laura	Carrier Tracking No(s): N/A	COC No: 580-138341.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 4 of 4
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 10/24/2024			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site: N/A	SSOW#: N/A			Other: N/A

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)	6010D/FIELD_FLTRD Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	6010D/Filtration_ME Lab Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
1024-13 (580-144789-29)	10/10/24	11:27 Pacific	G	Water			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: Unconfirmed	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) 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:	Company
Relinquished by:	Date/Time: 10-22-24 15:00	Company EETN	Received by:	Date/Time: 10/23/24 0945	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:

Ver: 10/10/2024
11/6/2024

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Schick, Laura	Carrier Tracking No(s): N/A	COC No: 580-138412.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Laura.Schick@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 580-144789-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/30/2024			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Coupeville SW Facility GW 2024	Project #: 58017834			
Site: N/A	SSOW#: N/A			Other: N/A

Loc: 580
144789

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)	6010D/Filtration_ME Lab Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1024-09 (580-144789-15)	10/9/24	10:36 Pacific	G	Water			X	1	
1009-21 (580-144789-25)	10/9/24	13:21 Pacific	G	Water			X	1	

Analysis Requested

580-144789 Chain of Custody

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 *Unconfirmed*	***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) 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:	Company
	10-23-24 1600	EETN	Fedex		
Relinquished by: Fed Ex	Date/Time:	Company	Received by:	Date/Time: 10/25/24 1015	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: 2.0/2.7 SCR

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-144789-1

Login Number: 144789
List Number: 1
Creator: Groves, Elizabeth

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	False	Refer to Job Narrative for details.
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.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
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 <6mm (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: 580-144789-1

Login Number: 144789
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 10/15/24 12:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	1.5
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?	N/A	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 <6mm (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: 580-144789-1

Login Number: 144789
List Number: 3
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 10/16/24 01:34 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	2.9
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?	N/A	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 <6mm (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: 580-144789-1

Login Number: 144789
List Number: 6
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 10/23/24 01:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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, 1.9
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?	N/A	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 <6mm (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: 580-144789-1

Login Number: 144789
List Number: 7
Creator: Arellano, Cyndy

List Source: Eurofins Calscience
List Creation: 10/25/24 02:37 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	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?	N/A	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 <6mm (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: 580-144789-1

Login Number: 144789
List Number: 4
Creator: Ballard, Megan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 10/17/24 11:42 AM

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(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, 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 >6mm in diameter (none, if from WV)?	N/A	

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-144789-1

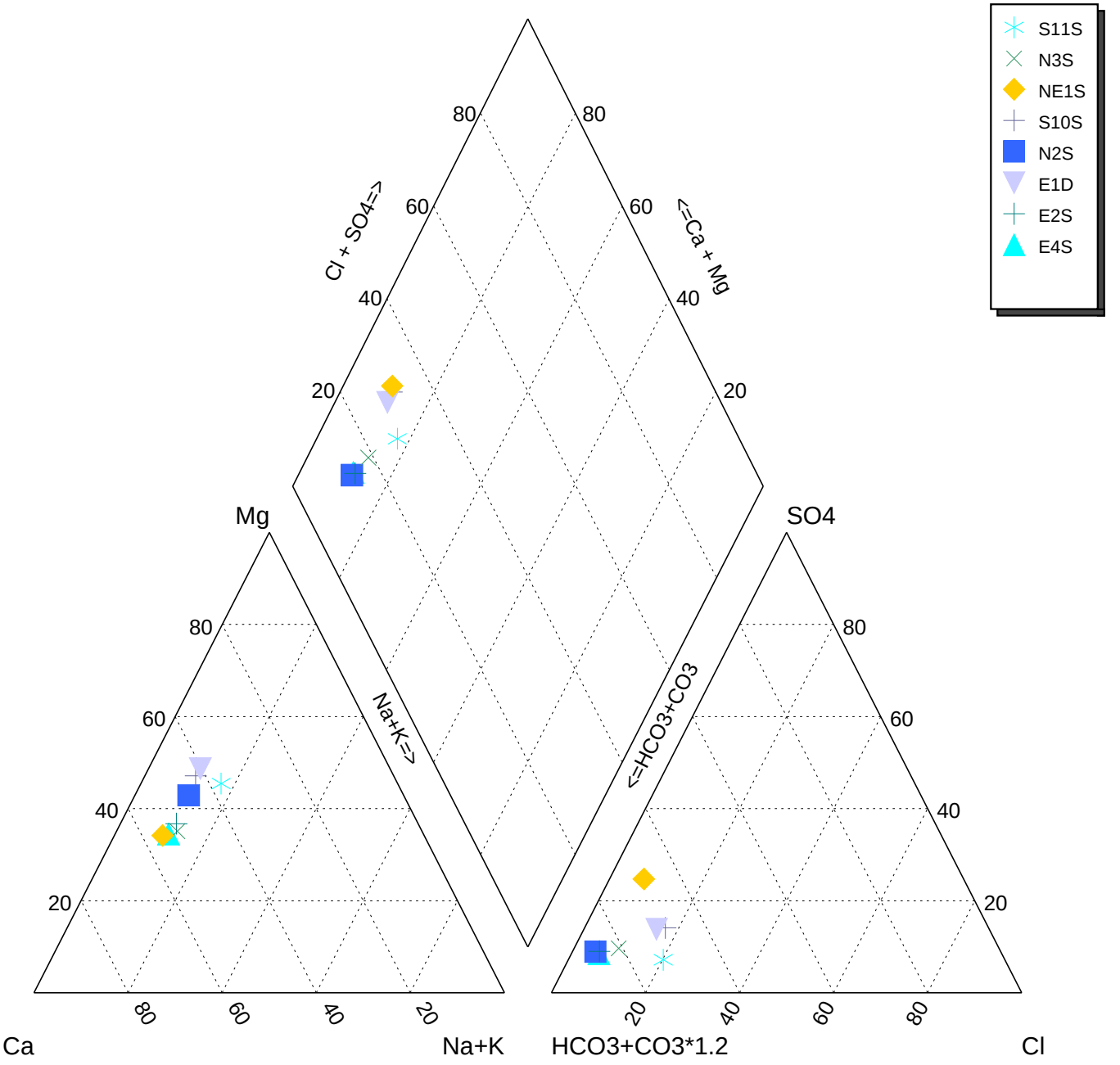
Login Number: 144789
List Number: 5
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 10/21/24 10:36 AM

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(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, 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 >6mm in diameter (none, if from WV)?	N/A	

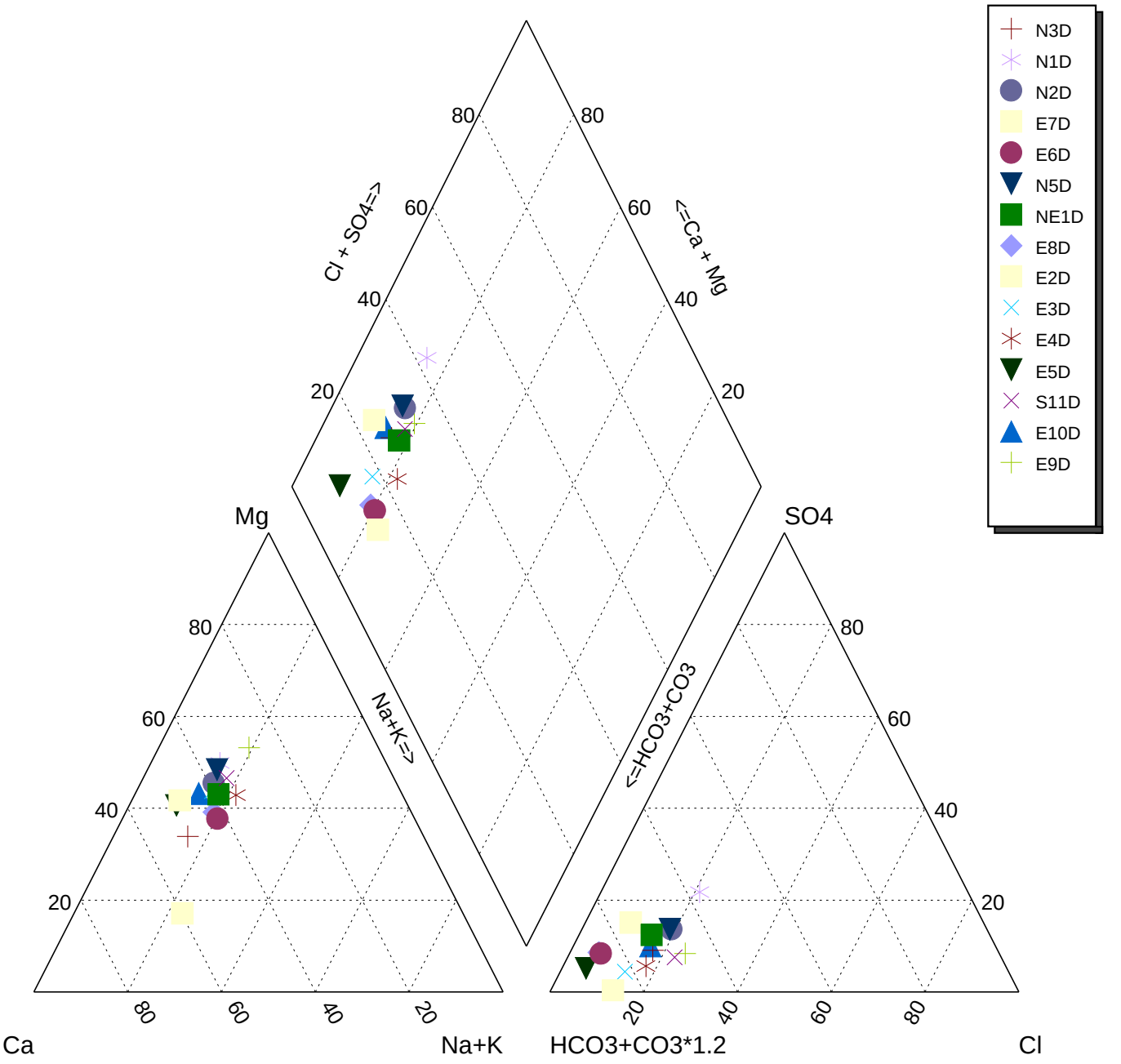
Appendix C

2024 Groundwater Geochemical Evaluation



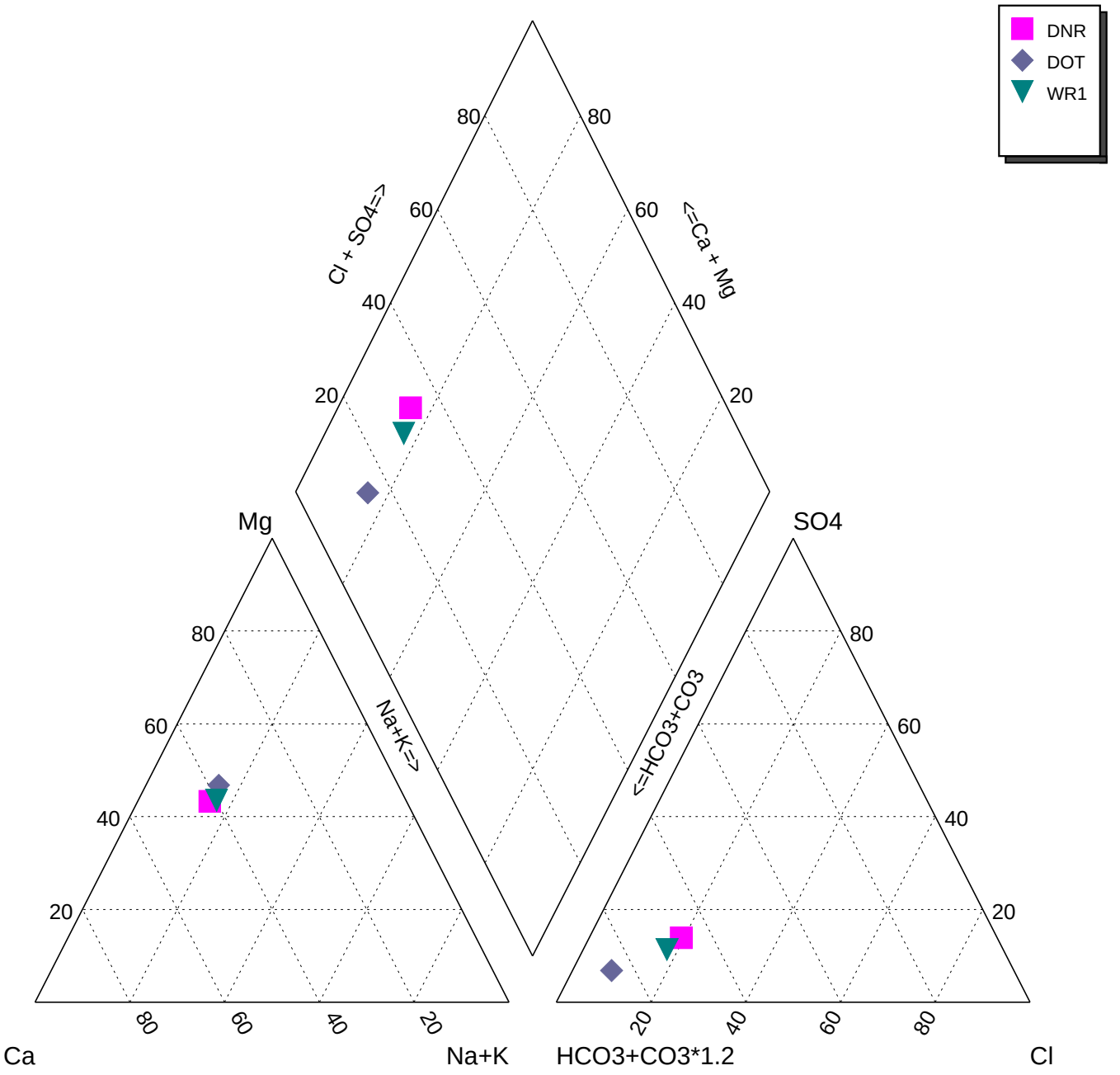
DESCRIPTION: 2Q24 Piper Plot - Aquifer 1

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04224035.24
	CLIENT: Island County Public Works	DATE: January 2025



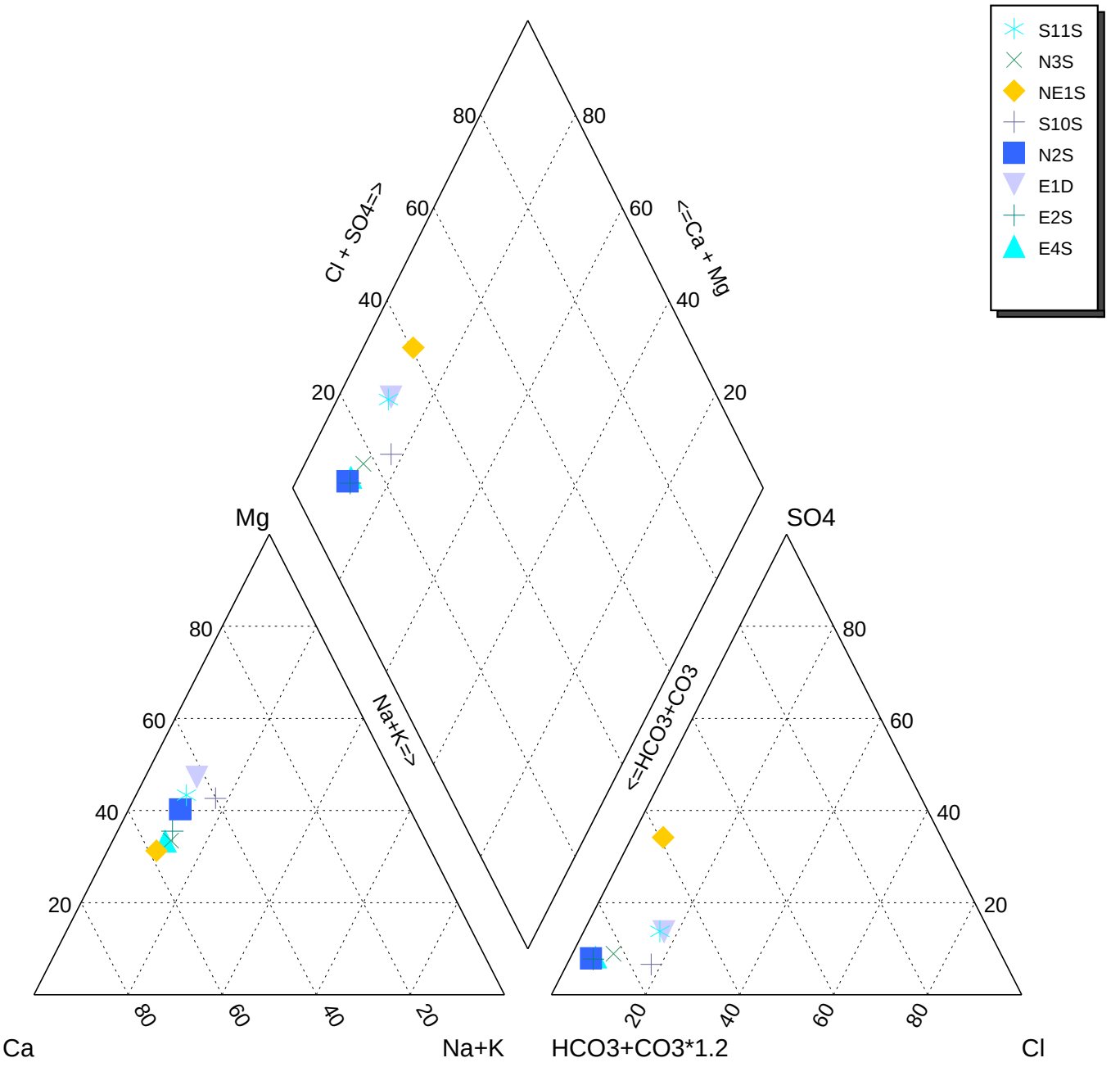
DESCRIPTION: 2Q24 Piper Plot - Aquifer 2

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04224035.24
	CLIENT: Island County Public Works	DATE: January 2025



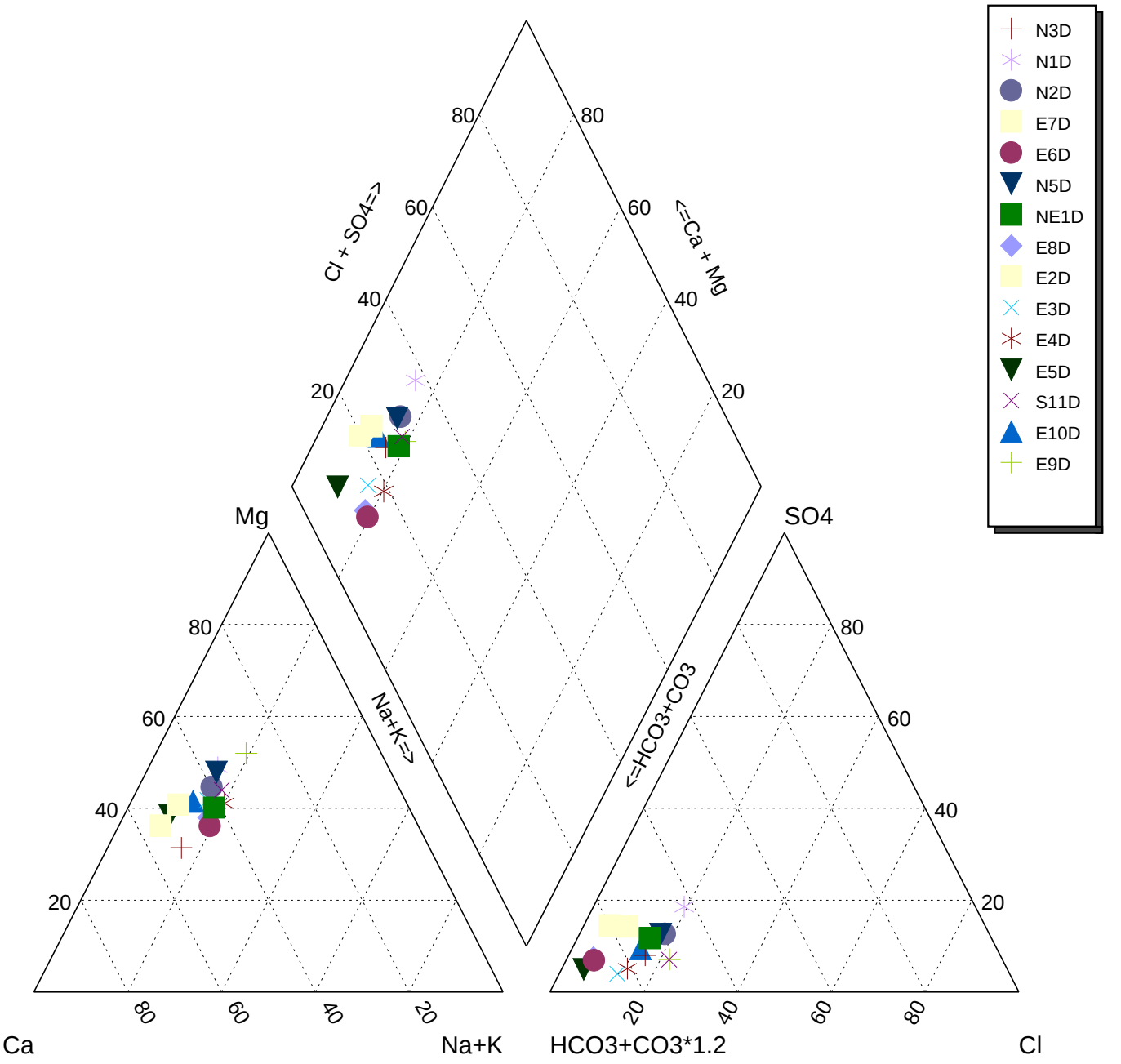
DESCRIPTION: 2Q24 Piper Plot - Water Supply Wells

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04224035.24
	CLIENT: Island County Public Works	DATE: January 2025



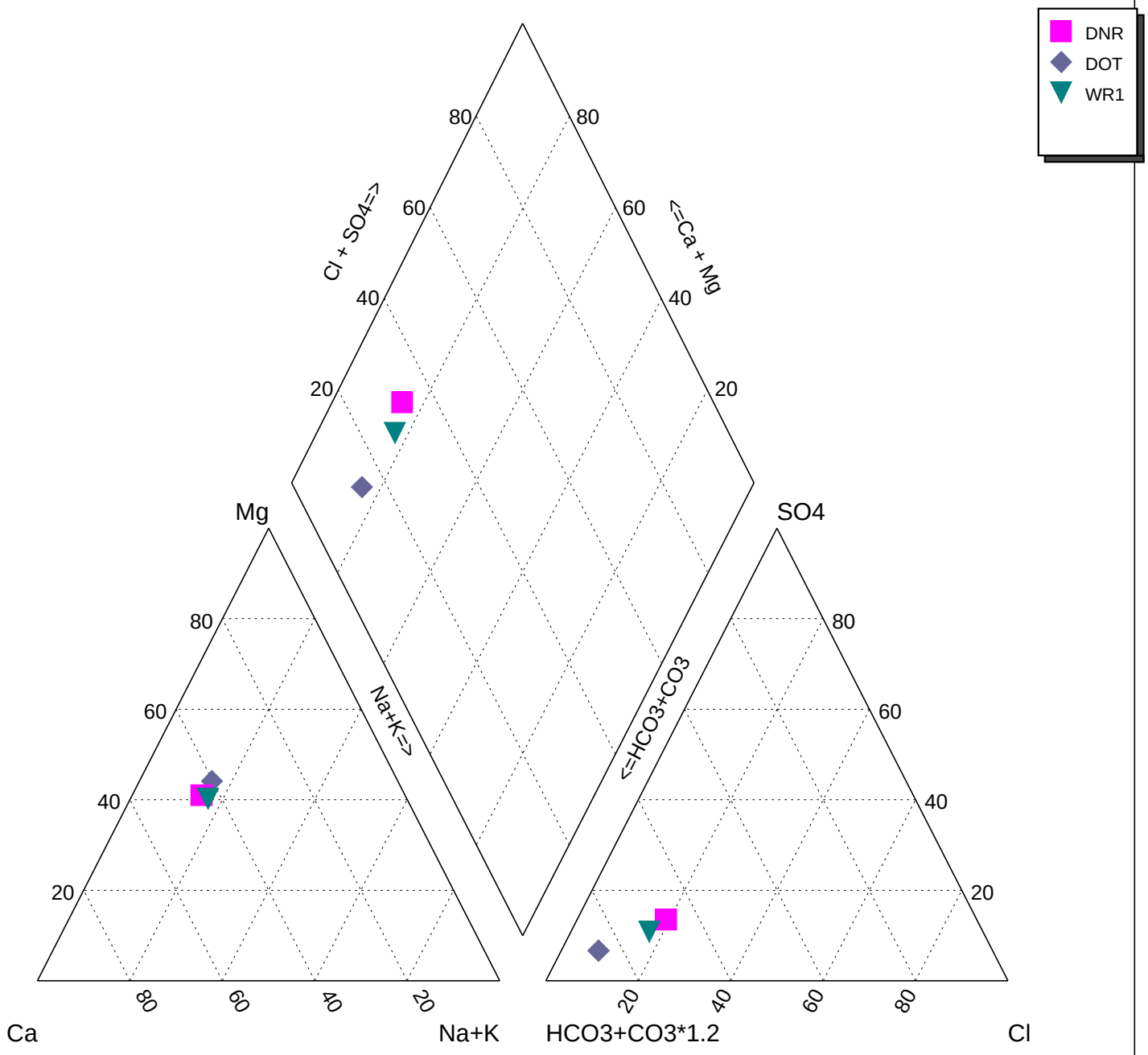
DESCRIPTION: 4Q24 Piper Plot - Aquifer 1

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04224035.24
	CLIENT: Island County Public Works	DATE: January 2025



DESCRIPTION: 4Q24 Piper Plot - Aquifer 2

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04224035.24
	CLIENT: Island County Public Works	DATE: January 2025



DESCRIPTION: 4Q24 Piper Plot - Water Supply Wells

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04224035.24
	CLIENT: Island County Public Works	DATE: January 2025

Cation/Anion Balance

Location	E3D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.3	0.0109	
K	0.02258	6.50	0.166	
Ca	0.04990	65.00	3.24	
Mg	0.08229	43.00	3.54	
		Sum of Cations	8.09	meq/L
Cl	0.02821	34.00	0.96	
SO4	0.02082	15.00	0.31	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	348.00	5.70	
		Sum of Anions	6.98	meq/L
Balance (% difference) *			7.39	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E5D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	37.00	1.61	
Fe	0.03581	2.6	0	
Mn	0.0364	0.35	0.0127	
K	0.02258	8.70	0.223	
Ca	0.04990	180.00	8.98	
Mg	0.08229	90.00	7.41	
		Sum of Cations	18.23	meq/L
Cl	0.02821	28.00	0.79	
SO4	0.02082	39.00	0.81	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	852.00	13.96	
		Sum of Anions	15.57	meq/L
Balance (% difference) *			7.89	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E8D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	25.00	1.09	
Fe	0.03581	2.6	0	
Mn	0.0364	0.33	0.0120	
K	0.02258	5.30	0.136	
Ca	0.04990	55.00	2.74	
Mg	0.08229	31.00	2.55	
		Sum of Cations	6.53	meq/L
Cl	0.02821	12.00	0.34	
SO4	0.02082	23.00	0.48	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	288.00	4.72	
		Sum of Anions	5.54	meq/L
Balance (% difference) *			8.22	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4S
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	0.11	0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	6.40	0.164	
Ca	0.04990	140.00	6.99	
Mg	0.08229	54.00	4.44	
		Sum of Cations	12.9	meq/L
Cl	0.02821	22.00	0.62	
SO4	0.02082	43.00	0.90	
NO3	0.01613	6.10	0.10	
HCO3	0.01639	552.00	9.05	
		Sum of Anions	10.66	meq/L
Balance (% difference) *			9.50	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	25.00	1.09	
Fe	0.03581	0.17	0	
Mn	0.0364	0.093	0.0034	
K	0.02258	11.00	0.281	
Ca	0.04990	45.00	2.25	
Mg	0.08229	33.00	2.72	
		Sum of Cations	6.33	meq/L
Cl	0.02821	32.00	0.90	
SO4	0.02082	14.00	0.29	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	240.00	3.93	
		Sum of Anions	5.13	meq/L
Balance (% difference) *			10.51	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N5D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	45.00	1.96	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.13	0.0047	
K	0.02258	9.90	0.253	
Ca	0.04990	110.00	5.49	
Mg	0.08229	88.00	7.24	
		Sum of Cations	14.95	meq/L
Cl	0.02821	87.00	2.45	
SO4	0.02082	86.00	1.79	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	540.00	8.85	
		Sum of Anions	13.1	meq/L
Balance (% difference) *			6.59	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N1D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	47.00	2.04	
Fe	0.03581	0.41	0	
Mn	0.0364	0.34	0.0124	
K	0.02258	9.40	0.240	
Ca	0.04990	110.00	5.49	
Mg	0.08229	94.00	7.74	
		Sum of Cations	15.52	meq/L
Cl	0.02821	100.00	2.82	
SO4	0.02082	140.00	2.92	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	468.00	7.67	
		Sum of Anions	13.4	meq/L
Balance (% difference) *			7.30	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	41.00	1.78	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.021	0.0008	
K	0.02258	8.40	0.215	
Ca	0.04990	100.00	4.99	
Mg	0.08229	71.00	5.84	
		Sum of Cations	12.83	meq/L
Cl	0.02821	75.00	2.12	
SO4	0.02082	73.00	1.52	
NO3	0.01613	1.80	0.03	
HCO3	0.01639	456.00	7.47	
		Sum of Anions	11.14	meq/L
Balance (% difference) *			7.06	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2S
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	32.00	1.39	
Fe	0.03581	0.11	0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	9.30	0.238	
Ca	0.04990	130.00	6.49	
Mg	0.08229	74.00	6.09	
		Sum of Cations	14.2	meq/L
Cl	0.02821	21.00	0.59	
SO4	0.02082	52.00	1.08	
NO3	0.01613	5.60	0.09	
HCO3	0.01639	636.00	10.42	
		Sum of Anions	12.2	meq/L
Balance (% difference) *			7.64	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	22.00	0.96	
Fe	0.03581	0.25	0	
Mn	0.0364	0.031	0.0011	
K	0.02258	6.30	0.161	
Ca	0.04990	71.00	3.54	
Mg	0.08229	29.00	2.39	
		Sum of Cations	7.05	meq/L
Cl	0.02821	38.00	1.07	
SO4	0.02082	27.00	0.56	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	276.00	4.52	
		Sum of Anions	6.16	meq/L
Balance (% difference) *			6.74	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3S
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	28.00	1.22	
Fe	0.03581	<0.15	<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	45.00	3.70	
		Sum of Cations	10.56	meq/L
Cl	0.02821	31.00	0.87	
SO4	0.02082	43.00	0.90	
NO3	0.01613	5.80	0.09	
HCO3	0.01639	456.00	7.47	
		Sum of Anions	9.34	meq/L
Balance (% difference) *			6.15	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E9D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	15.00	0.65	
Fe	0.03581	0.13	0	
Mn	0.0364	0.03	0.0011	
K	0.02258	14.00	0.358	
Ca	0.04990	29.00	1.45	
Mg	0.08229	34.00	2.80	
		Sum of Cations	5.26	meq/L
Cl	0.02821	41.00	1.16	
SO4	0.02082	19.00	0.40	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	192.00	3.15	
		Sum of Anions	4.7	meq/L
Balance (% difference) *			5.59	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E10D
Sample Date	5/21/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	31.00	1.35	
Fe	0.03581	0.89	0	
Mn	0.0364	0.091	0.0033	
K	0.02258	7.70	0.197	
Ca	0.04990	99.00	4.94	
Mg	0.08229	60.00	4.94	
		Sum of Cations	11.43	meq/L
Cl	0.02821	59.00	1.66	
SO4	0.02082	49.00	1.02	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	456.00	7.47	
		Sum of Anions	10.16	meq/L
Balance (% difference) *			5.87	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E6D
Sample Date	5/22/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	34.00	1.48	
Fe	0.03581	1.8	0	
Mn	0.0364	0.55	0.0200	
K	0.02258	6.20	0.159	
Ca	0.04990	68.00	3.39	
Mg	0.08229	37.00	3.04	
		Sum of Cations	8.1	meq/L
Cl	0.02821	17.00	0.48	
SO4	0.02082	29.00	0.60	
NO3	0.01613	0.15	0.00	
HCO3	0.01639	372.00	6.10	
		Sum of Anions	7.18	meq/L
Balance (% difference) *			5.97	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E7D
Sample Date	5/22/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	11.00	0.48	
Fe	0.03581	2.3	0	
Mn	0.0364	0.2	0.0073	
K	0.02258	<1.65	<0.042	
Ca	0.04990	27.00	1.35	
Mg	0.08229	4.70	0.39	
		Sum of Cations	2.26	meq/L
Cl	0.02821	10.00	0.28	
SO4	0.02082	<0.75	<0.02	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	111.60	1.83	
		Sum of Anions	2.13	meq/L
Balance (% difference) *			3.06	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S10S
Sample Date	5/22/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.80	0.148	
Ca	0.04990	100.00	4.99	
Mg	0.08229	68.00	5.60	
		Sum of Cations	11.87	meq/L
Cl	0.02821	61.00	1.72	
SO4	0.02082	68.00	1.42	
NO3	0.01613	15.00	0.24	
HCO3	0.01639	420.00	6.88	
		Sum of Anions	10.26	meq/L
Balance (% difference) *			7.24	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2D
Sample Date	5/22/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	32.00	1.39	
Fe	0.03581	0.11	0	
Mn	0.0364	0.058	0.0021	
K	0.02258	8.10	0.207	
Ca	0.04990	150.00	7.49	
Mg	0.08229	79.00	6.50	
		Sum of Cations	15.6	meq/L
Cl	0.02821	43.00	1.21	
SO4	0.02082	91.00	1.90	
NO3	0.01613	15.00	0.24	
HCO3	0.01639	576.00	9.44	
		Sum of Anions	12.8	meq/L
Balance (% difference) *			9.86	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2S
Sample Date	5/22/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	28.00	1.22	
Fe	0.03581	0.12	0	
Mn	0.0364	0.46	0.0167	
K	0.02258	6.70	0.171	
Ca	0.04990	120.00	5.99	
Mg	0.08229	52.00	4.28	
		Sum of Cations	11.67	meq/L
Cl	0.02821	20.00	0.56	
SO4	0.02082	43.00	0.90	
NO3	0.01613	4.60	0.07	
HCO3	0.01639	516.00	8.46	
		Sum of Anions	10.0	meq/L
Balance (% difference) *			7.77	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	DOT
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	0.72	0	
Mn	0.0364	0.18	0.0066	
K	0.02258	6.40	0.164	
Ca	0.04990	64.00	3.19	
Mg	0.08229	48.00	3.95	
		Sum of Cations	8.44	meq/L
Cl	0.02821	23.00	0.65	
SO4	0.02082	26.00	0.54	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	408.00	6.69	
		Sum of Anions	7.88	meq/L
Balance (% difference) *			3.47	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1S
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	20.00	0.87	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.60	0.143	
Ca	0.04990	110.00	5.49	
Mg	0.08229	41.00	3.37	
		Sum of Cations	9.88	meq/L
Cl	0.02821	24.00	0.68	
SO4	0.02082	110.00	2.29	
NO3	0.01613	4.80	0.08	
HCO3	0.01639	384.00	6.29	
		Sum of Anions	9.34	meq/L
Balance (% difference) *			2.80	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1D
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	25.00	1.09	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.60	0.143	
Ca	0.04990	54.00	2.69	
Mg	0.08229	36.00	2.96	
		Sum of Cations	6.89	meq/L
Cl	0.02821	36.00	1.02	
SO4	0.02082	39.00	0.81	
NO3	0.01613	0.62	0.01	
HCO3	0.01639	288.00	4.72	
		Sum of Anions	6.56	meq/L
Balance (% difference) *			2.46	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11D
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	35.00	1.52	
Fe	0.03581	0.51	0	
Mn	0.0364	0.15	0.0055	
K	0.02258	6.90	0.176	
Ca	0.04990	68.00	3.39	
Mg	0.08229	54.00	4.44	
		Sum of Cations	9.54	meq/L
Cl	0.02821	73.00	2.06	
SO4	0.02082	33.00	0.69	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	384.00	6.29	
		Sum of Anions	9.04	meq/L
Balance (% difference) *			2.69	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11S
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	34.00	1.48	
Fe	0.03581	0.13	0	
Mn	0.0364	0.18	0.0066	
K	0.02258	6.10	0.156	
Ca	0.04990	72.00	3.59	
Mg	0.08229	53.00	4.36	
		Sum of Cations	9.6	meq/L
Cl	0.02821	62.00	1.75	
SO4	0.02082	30.00	0.63	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	384.00	6.29	
		Sum of Anions	8.67	meq/L
Balance (% difference) *			5.08	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	DNR
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	0.19	0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.50	0.141	
Ca	0.04990	79.00	3.94	
Mg	0.08229	50.00	4.11	
		Sum of Cations	9.5	meq/L
Cl	0.02821	63.00	1.78	
SO4	0.02082	61.00	1.27	
NO3	0.01613	0.28	0.00	
HCO3	0.01639	372.00	6.10	
		Sum of Anions	9.15	meq/L
Balance (% difference) *			1.90	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E1D
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	42.00	1.83	
Fe	0.03581	2.8	0	
Mn	0.0364	0.048	0.0017	
K	0.02258	8.50	0.217	
Ca	0.04990	150.00	7.49	
Mg	0.08229	110.00	9.05	
		Sum of Cations	18.6	meq/L
Cl	0.02821	99.00	2.79	
SO4	0.02082	120.00	2.50	
NO3	0.01613	<0.08	<0.00	
HCO3	0.01639	780.00	12.78	
		Sum of Anions	18.08	meq/L
Balance (% difference) *			1.38	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	WR1
Sample Date	5/23/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	32.00	1.39	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.20	0.133	
Ca	0.04990	74.00	3.69	
Mg	0.08229	49.00	4.03	
		Sum of Cations	9.25	meq/L
Cl	0.02821	54.00	1.52	
SO4	0.02082	47.00	0.98	
NO3	0.01613	1.70	0.03	
HCO3	0.01639	372.00	6.10	
		Sum of Anions	8.63	meq/L
Balance (% difference) *			3.49	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	DOT
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	27.00	1.17	
Fe	0.03581	0.66	0	
Mn	0.0364	0.17	0.0062	
K	0.02258	6.60	0.169	
Ca	0.04990	69.00	3.44	
Mg	0.08229	46.00	3.79	
		Sum of Cations	8.58	meq/L
Cl	0.02821	23.00	0.65	
SO4	0.02082	26.00	0.54	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	420.00	6.88	
		Sum of Anions	8.07	meq/L
Balance (% difference) *			3.02	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E3D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.27	0.0098	
K	0.02258	6.40	0.164	
Ca	0.04990	68.00	3.39	
Mg	0.08229	41.00	3.37	
		Sum of Cations	8.07	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	396.00	6.49	
		Sum of Anions	7.76	meq/L
Balance (% difference) *			1.95	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E5D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	38.00	1.65	
Fe	0.03581	2.5	0	
Mn	0.0364	0.44	0.0160	
K	0.02258	8.80	0.225	
Ca	0.04990	200.00	9.98	
Mg	0.08229	90.00	7.41	
		Sum of Cations	19.28	meq/L
Cl	0.02821	28.00	0.79	
SO4	0.02082	40.00	0.83	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	924.00	15.14	
		Sum of Anions	16.77	meq/L
Balance (% difference) *			6.97	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E8D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	25.00	1.09	
Fe	0.03581	1.3	0	
Mn	0.0364	0.3	0.0109	
K	0.02258	5.30	0.136	
Ca	0.04990	59.00	2.94	
Mg	0.08229	31.00	2.55	
		Sum of Cations	6.73	meq/L
Cl	0.02821	12.00	0.34	
SO4	0.02082	22.00	0.46	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	324.00	5.31	
		Sum of Anions	6.11	meq/L
Balance (% difference) *			4.84	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4S
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	29.00	1.26	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.0024	0.0001	
K	0.02258	6.10	0.156	
Ca	0.04990	140.00	6.99	
Mg	0.08229	51.00	4.20	
		Sum of Cations	12.6	meq/L
Cl	0.02821	21.00	0.59	
SO4	0.02082	44.00	0.92	
NO3	0.01613	5.40	0.09	
HCO3	0.01639	588.00	9.64	
		Sum of Anions	11.23	meq/L
Balance (% difference) *			5.74	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	25.00	1.09	
Fe	0.03581	0.46	0	
Mn	0.0364	0.098	0.0036	
K	0.02258	11.00	0.281	
Ca	0.04990	53.00	2.64	
Mg	0.08229	34.00	2.80	
		Sum of Cations	6.81	meq/L
Cl	0.02821	30.00	0.85	
SO4	0.02082	15.00	0.31	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	300.00	4.92	
		Sum of Anions	6.08	meq/L
Balance (% difference) *			5.73	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N5D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	45.00	1.96	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.13	0.0047	
K	0.02258	9.80	0.251	
Ca	0.04990	110.00	5.49	
Mg	0.08229	86.00	7.08	
		Sum of Cations	14.78	meq/L
Cl	0.02821	86.00	2.43	
SO4	0.02082	85.00	1.77	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	600.00	9.83	
		Sum of Anions	14.03	meq/L
Balance (% difference) *			2.60	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N1D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	46.00	2.00	
Fe	0.03581	0.28	0	
Mn	0.0364	0.32	0.0116	
K	0.02258	9.10	0.233	
Ca	0.04990	110.00	5.49	
Mg	0.08229	90.00	7.41	
		Sum of Cations	15.14	meq/L
Cl	0.02821	100.00	2.82	
SO4	0.02082	130.00	2.71	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	552.00	9.05	
		Sum of Anions	14.58	meq/L
Balance (% difference) *			1.90	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	40.00	1.74	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.015	0.0005	
K	0.02258	8.10	0.207	
Ca	0.04990	100.00	4.99	
Mg	0.08229	68.00	5.60	
		Sum of Cations	12.53	meq/L
Cl	0.02821	75.00	2.12	
SO4	0.02082	71.00	1.48	
NO3	0.01613	4.20	0.07	
HCO3	0.01639	492.00	8.06	
		Sum of Anions	11.73	meq/L
Balance (% difference) *			3.33	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2S
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	33.00	1.44	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.011	0.0004	
K	0.02258	9.60	0.246	
Ca	0.04990	150.00	7.49	
Mg	0.08229	75.00	6.17	
		Sum of Cations	15.34	meq/L
Cl	0.02821	22.00	0.62	
SO4	0.02082	53.00	1.10	
NO3	0.01613	5.40	0.09	
HCO3	0.01639	744.00	12.19	
		Sum of Anions	14.0	meq/L
Balance (% difference) *			4.54	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E9D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	15.00	0.65	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.033	0.0012	
K	0.02258	15.00	0.384	
Ca	0.04990	31.00	1.55	
Mg	0.08229	34.00	2.80	
		Sum of Cations	5.38	meq/L
Cl	0.02821	41.00	1.16	
SO4	0.02082	18.00	0.38	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	228.00	3.74	
		Sum of Anions	5.27	meq/L
Balance (% difference) *			1.06	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E10D
Sample Date	10/8/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	32.00	1.39	
Fe	0.03581	0.83	0	
Mn	0.0364	0.086	0.0031	
K	0.02258	7.80	0.199	
Ca	0.04990	110.00	5.49	
Mg	0.08229	61.00	5.02	
		Sum of Cations	12.1	meq/L
Cl	0.02821	55.00	1.55	
SO4	0.02082	48.00	1.00	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	492.00	8.06	
		Sum of Anions	10.62	meq/L
Balance (% difference) *			6.55	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E6D
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	34.00	1.48	
Fe	0.03581	1.9	0	
Mn	0.0364	0.53	0.0193	
K	0.02258	6.20	0.159	
Ca	0.04990	75.00	3.74	
Mg	0.08229	37.00	3.04	
		Sum of Cations	8.44	meq/L
Cl	0.02821	17.00	0.48	
SO4	0.02082	27.00	0.56	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	432.00	7.08	
		Sum of Anions	8.12	meq/L
Balance (% difference) *			1.94	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E7D
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	41.00	1.78	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.66	0.0240	
K	0.02258	9.80	0.251	
Ca	0.04990	250.00	12.48	
Mg	0.08229	100.00	8.23	
		Sum of Cations	22.76	meq/L
Cl	0.02821	37.00	1.04	
SO4	0.02082	130.00	2.71	
NO3	0.01613	2.10	0.03	
HCO3	0.01639	912.00	14.95	
		Sum of Anions	18.73	meq/L
Balance (% difference) *			9.71	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1S
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	21.00	0.91	
Fe	0.03581	<0.25	<0	
Mn	0.0364	<0.025	<0.0009	
K	0.02258	5.90	0.151	
Ca	0.04990	120.00	5.99	
Mg	0.08229	39.00	3.21	
		Sum of Cations	10.26	meq/L
Cl	0.02821	26.00	0.73	
SO4	0.02082	180.00	3.75	
NO3	0.01613	5.50	0.09	
HCO3	0.01639	396.00	6.49	
		Sum of Anions	11.06	meq/L
Balance (% difference) *			-3.75	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1D
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.011	0.0004	
K	0.02258	5.90	0.151	
Ca	0.04990	58.00	2.89	
Mg	0.08229	34.00	2.80	
		Sum of Cations	6.97	meq/L
Cl	0.02821	37.00	1.04	
SO4	0.02082	38.00	0.79	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	300.00	4.92	
		Sum of Anions	6.75	meq/L
Balance (% difference) *			1.61	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S10S
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	35.00	1.52	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.19	0.0069	
K	0.02258	6.70	0.171	
Ca	0.04990	79.00	3.94	
Mg	0.08229	51.00	4.20	
		Sum of Cations	9.84	meq/L
Cl	0.02821	58.00	1.64	
SO4	0.02082	29.00	0.60	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	420.00	6.88	
		Sum of Anions	9.12	meq/L
Balance (% difference) *			3.77	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	DNR
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	0.61	0	
Mn	0.0364	0.0061	0.0002	
K	0.02258	5.60	0.143	
Ca	0.04990	85.00	4.24	
Mg	0.08229	48.00	3.95	
		Sum of Cations	9.64	meq/L
Cl	0.02821	62.00	1.75	
SO4	0.02082	59.00	1.23	
NO3	0.01613	0.29	0.00	
HCO3	0.01639	372.00	6.10	
		Sum of Anions	9.08	meq/L
Balance (% difference) *			2.99	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3D
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	22.00	0.96	
Fe	0.03581	0.13	0	
Mn	0.0364	0.046	0.0017	
K	0.02258	6.20	0.159	
Ca	0.04990	75.00	3.74	
Mg	0.08229	27.00	2.22	
		Sum of Cations	7.08	meq/L
Cl	0.02821	39.00	1.10	
SO4	0.02082	26.00	0.54	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	312.00	5.11	
		Sum of Anions	6.76	meq/L
Balance (% difference) *			2.35	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3S
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	28.00	1.22	
Fe	0.03581	<0.25	<0	
Mn	0.0364	<0.025	<0.0009	
K	0.02258	5.90	0.151	
Ca	0.04990	120.00	5.99	
Mg	0.08229	45.00	3.70	
		Sum of Cations	11.06	meq/L
Cl	0.02821	31.00	0.87	
SO4	0.02082	43.00	0.90	
NO3	0.01613	8.40	0.14	
HCO3	0.01639	504.00	8.26	
		Sum of Anions	10.17	meq/L
Balance (% difference) *			4.22	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2D
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	32.00	1.39	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.054	0.0020	
K	0.02258	8.00	0.205	
Ca	0.04990	150.00	7.49	
Mg	0.08229	76.00	6.25	
		Sum of Cations	15.34	meq/L
Cl	0.02821	44.00	1.24	
SO4	0.02082	92.00	1.92	
NO3	0.01613	18.00	0.29	
HCO3	0.01639	624.00	10.23	
		Sum of Anions	13.67	meq/L
Balance (% difference) *			5.73	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2S
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	29.00	1.26	
Fe	0.03581	<0.25	<0	
Mn	0.0364	0.48	0.0175	
K	0.02258	6.80	0.174	
Ca	0.04990	130.00	6.49	
Mg	0.08229	53.00	4.36	
		Sum of Cations	12.3	meq/L
Cl	0.02821	20.00	0.56	
SO4	0.02082	42.00	0.88	
NO3	0.01613	3.80	0.06	
HCO3	0.01639	600.00	9.83	
		Sum of Anions	11.33	meq/L
Balance (% difference) *			4.09	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E1D
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	43.00	1.87	
Fe	0.03581	0.5	0	
Mn	0.0364	0.054	0.0020	
K	0.02258	8.90	0.228	
Ca	0.04990	160.00	7.98	
Mg	0.08229	110.00	9.05	
		Sum of Cations	19.14	meq/L
Cl	0.02821	110.00	3.10	
SO4	0.02082	120.00	2.50	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	768.00	12.59	
		Sum of Anions	18.2	meq/L
Balance (% difference) *			2.53	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	WR1
Sample Date	10/9/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	33.00	1.44	
Fe	0.03581	<0.25	<0	
Mn	0.0364	<0.025	<0.0009	
K	0.02258	5.60	0.143	
Ca	0.04990	81.00	4.04	
Mg	0.08229	46.00	3.79	
		Sum of Cations	9.4	meq/L
Cl	0.02821	54.00	1.52	
SO4	0.02082	47.00	0.98	
NO3	0.01613	1.80	0.03	
HCO3	0.01639	396.00	6.49	
		Sum of Anions	9.02	meq/L
Balance (% difference) *			2.09	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11D
Sample Date	10/10/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	36.00	1.57	
Fe	0.03581	0.42	0	
Mn	0.0364	0.15	0.0055	
K	0.02258	7.40	0.189	
Ca	0.04990	74.00	3.69	
Mg	0.08229	52.00	4.28	
		Sum of Cations	9.73	meq/L
Cl	0.02821	73.00	2.06	
SO4	0.02082	32.00	0.67	
NO3	0.01613	<0.05	<0.00	
HCO3	0.01639	408.00	6.69	
		Sum of Anions	9.41	meq/L
Balance (% difference) *			1.67	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11S
Sample Date	10/10/2024

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	<0.25	<0	
Mn	0.0364	<0.025	<0.0009	
K	0.02258	5.90	0.151	
Ca	0.04990	110.00	5.49	
Mg	0.08229	63.00	5.18	
		Sum of Cations	11.96	meq/L
Cl	0.02821	58.00	1.64	
SO4	0.02082	67.00	1.40	
NO3	0.01613	23.00	0.37	
HCO3	0.01639	432.00	7.08	
		Sum of Anions	10.48	meq/L
Balance (% difference) *			6.57	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Table C1 - pH Times Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

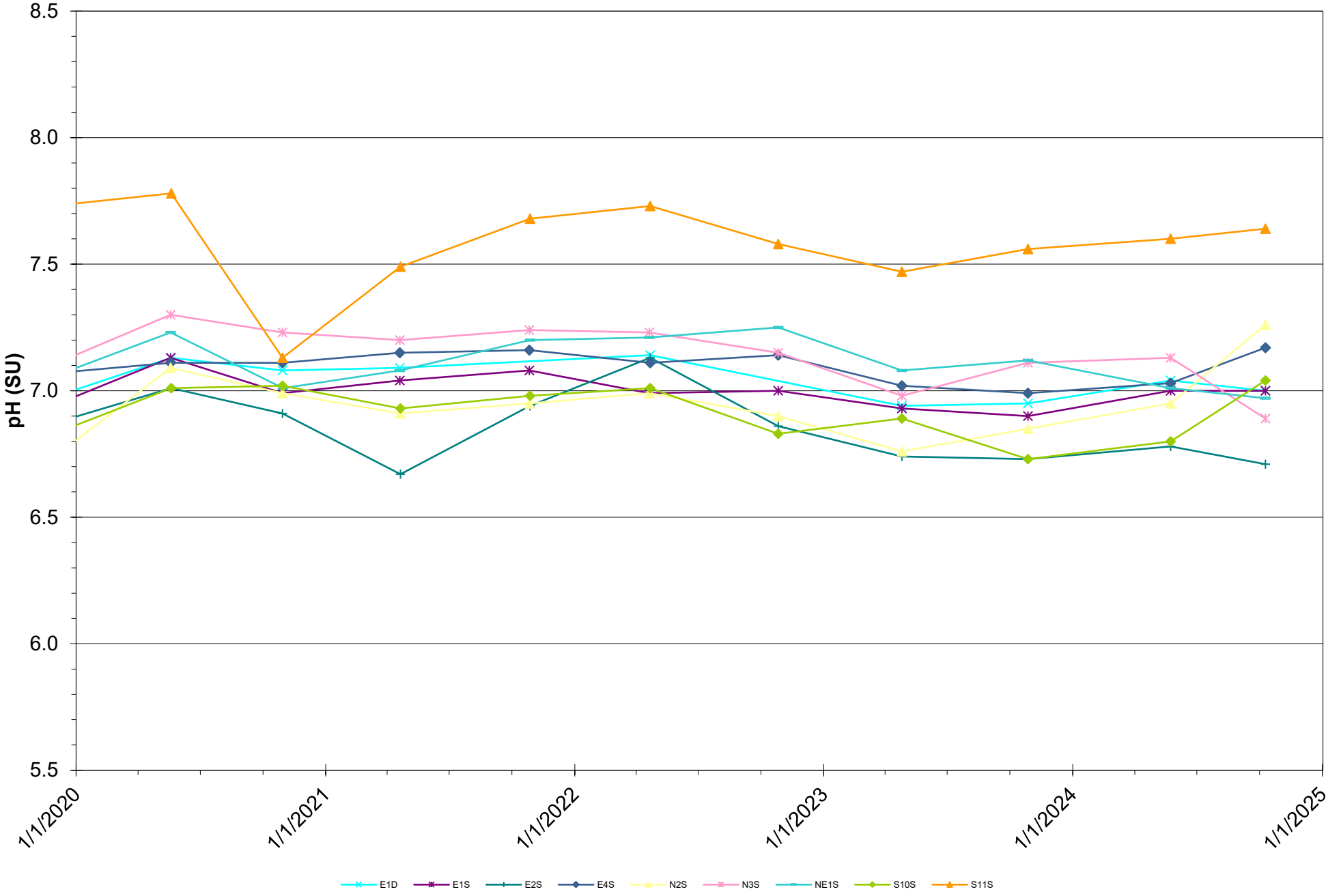


Table C2 - pH Times Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

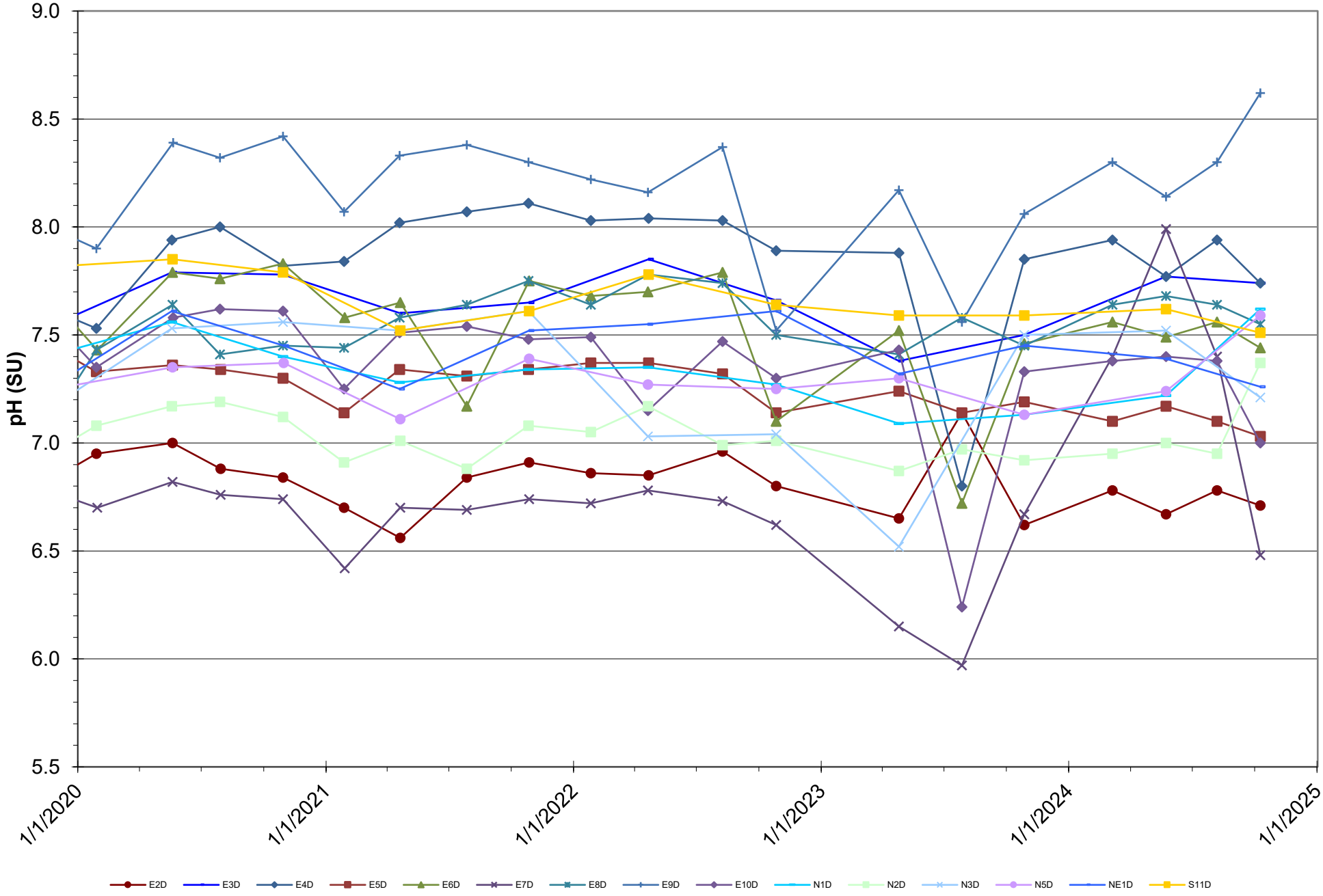


Table C3 - pH Times Series - Pumping Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

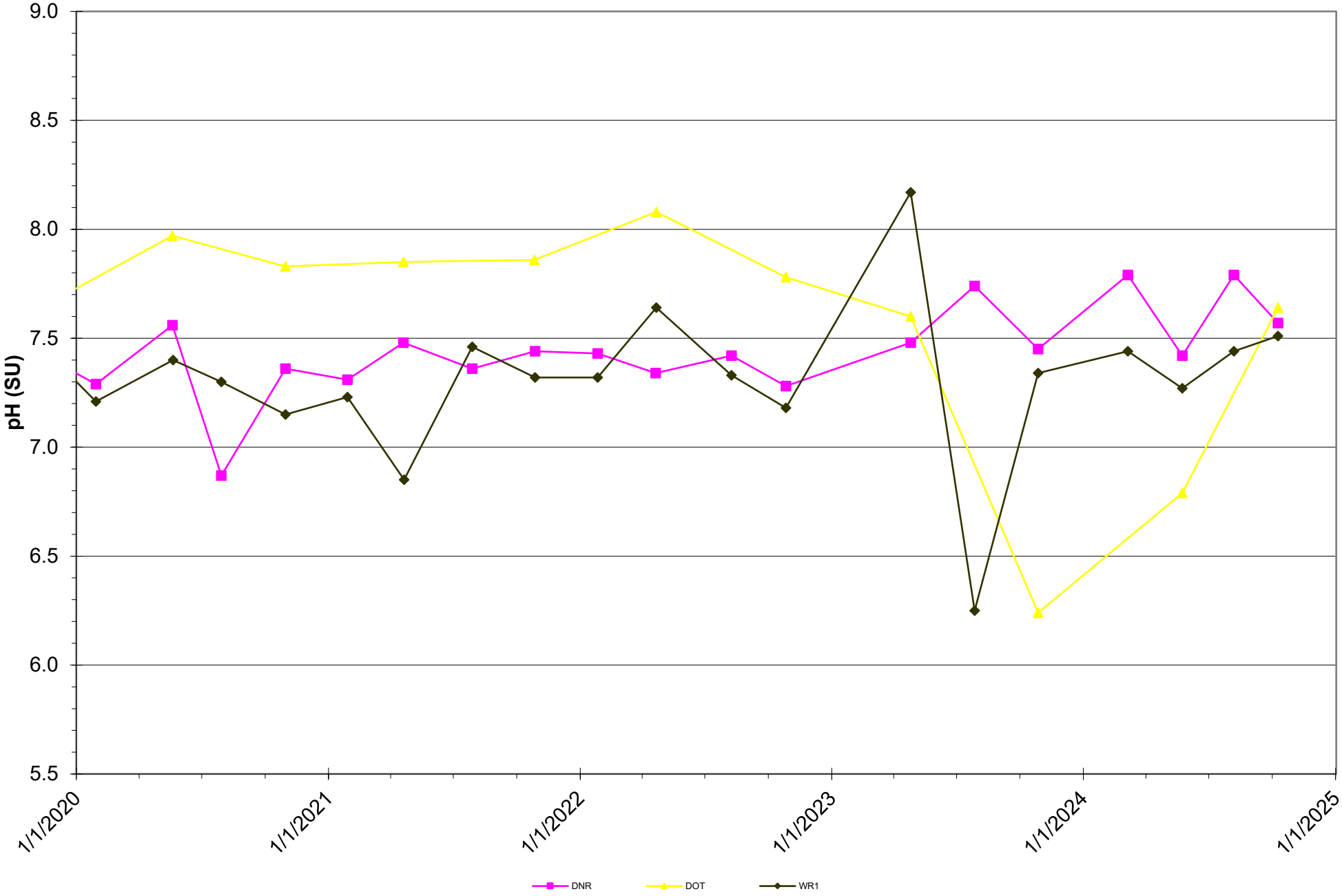


Table C4 - Specific Conductivity Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

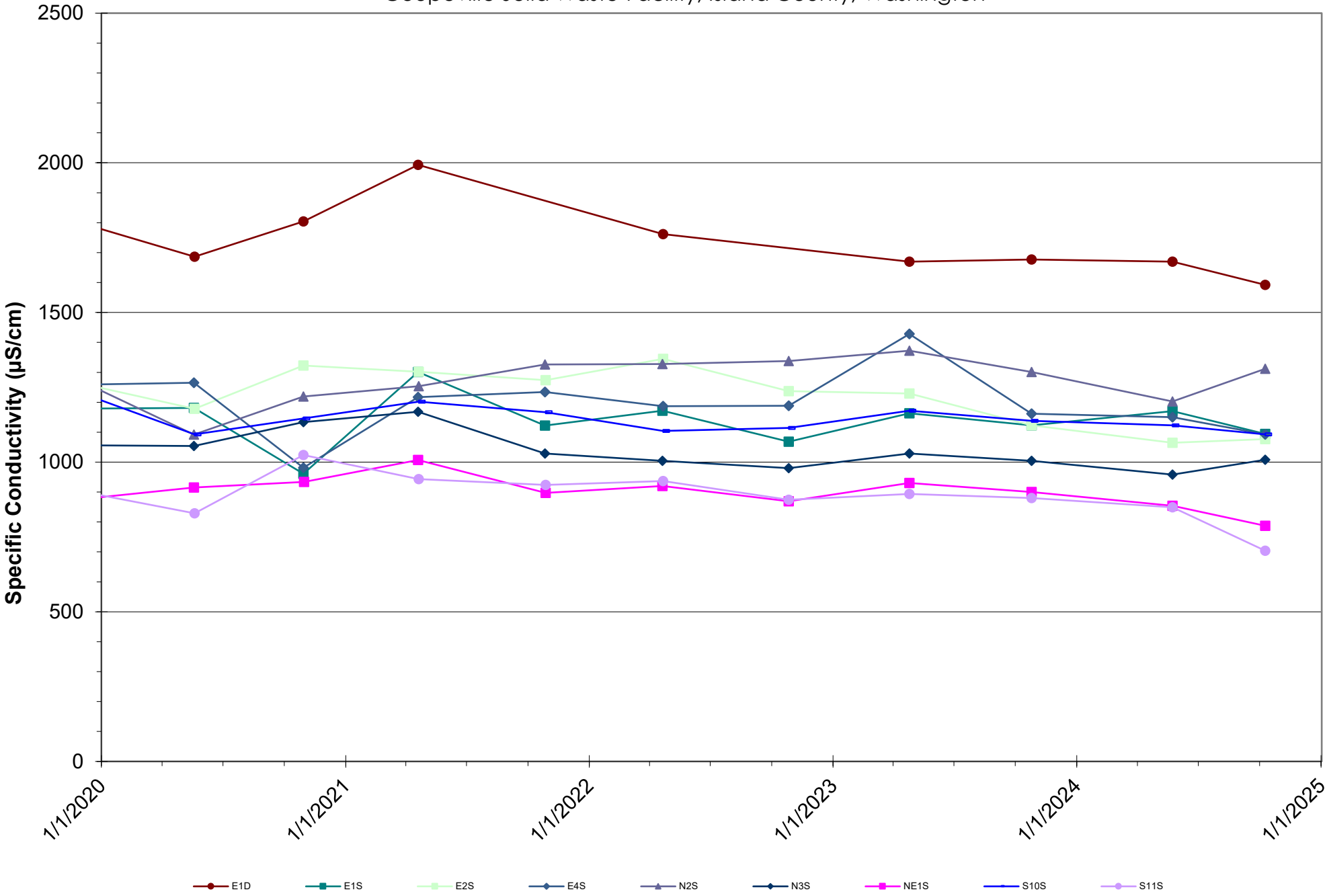


Table C5 - Specific Conductivity Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

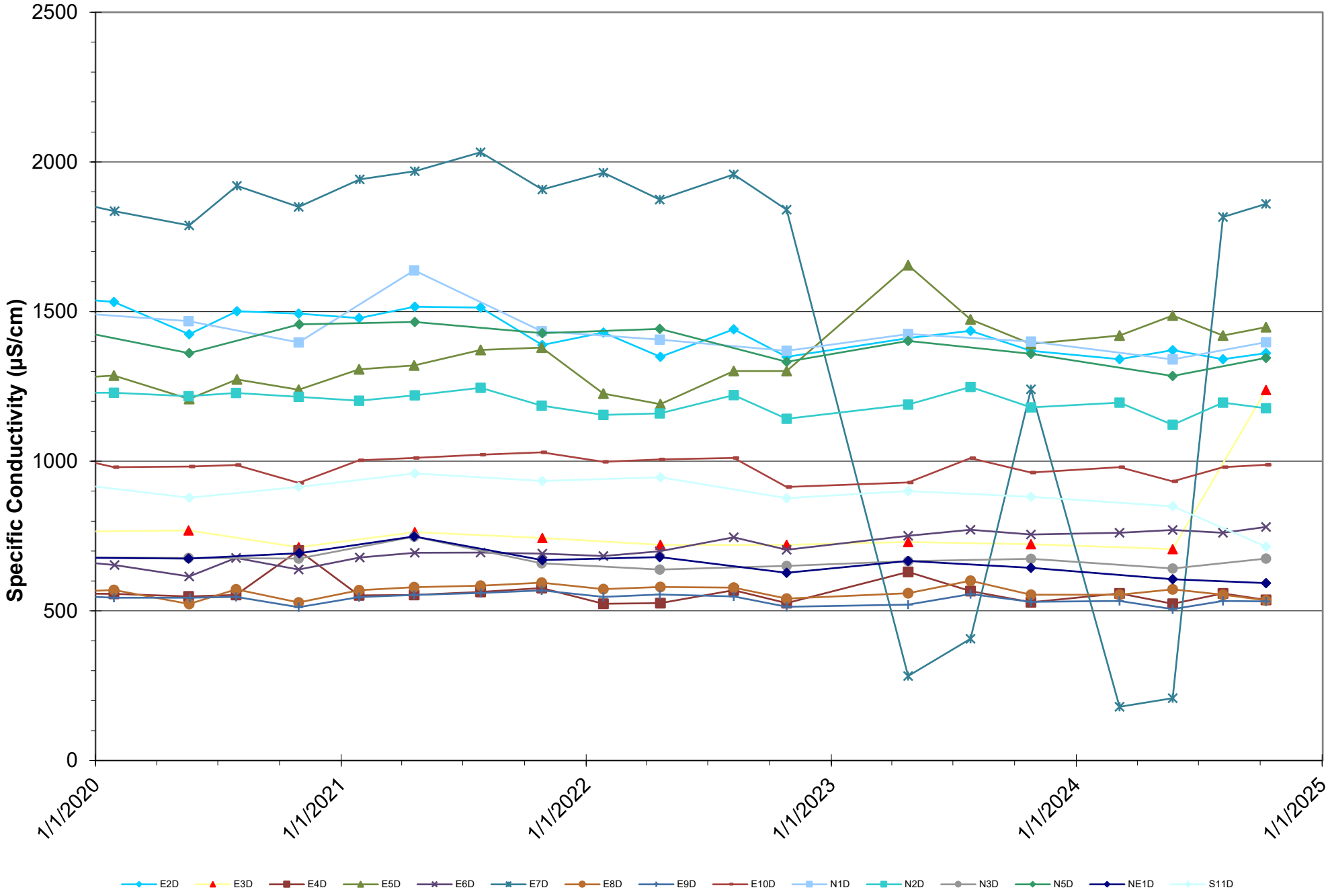


Table C6 - Specific Conductivity Time Series - Pumping Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

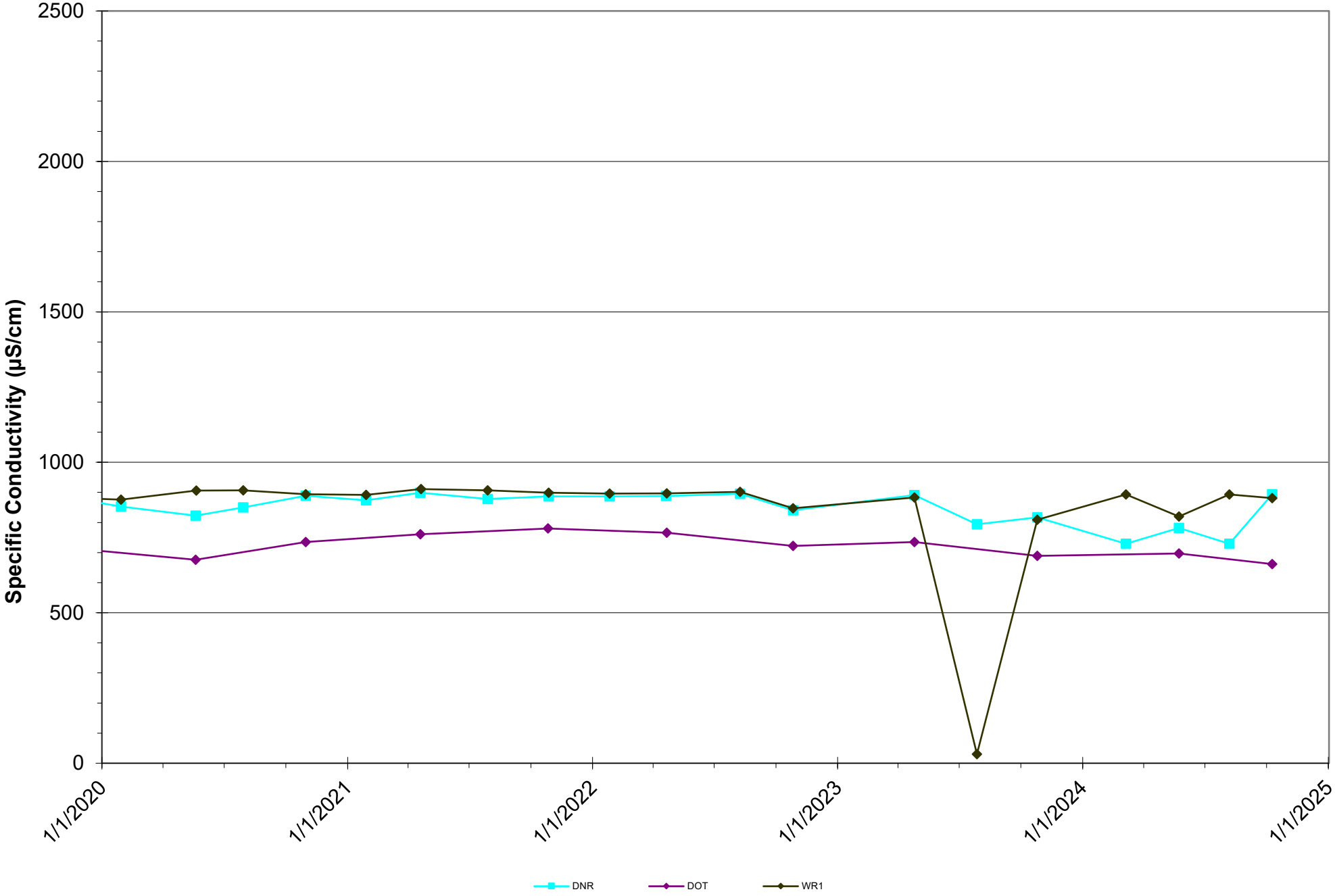


Table C7 - Alkalinity Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

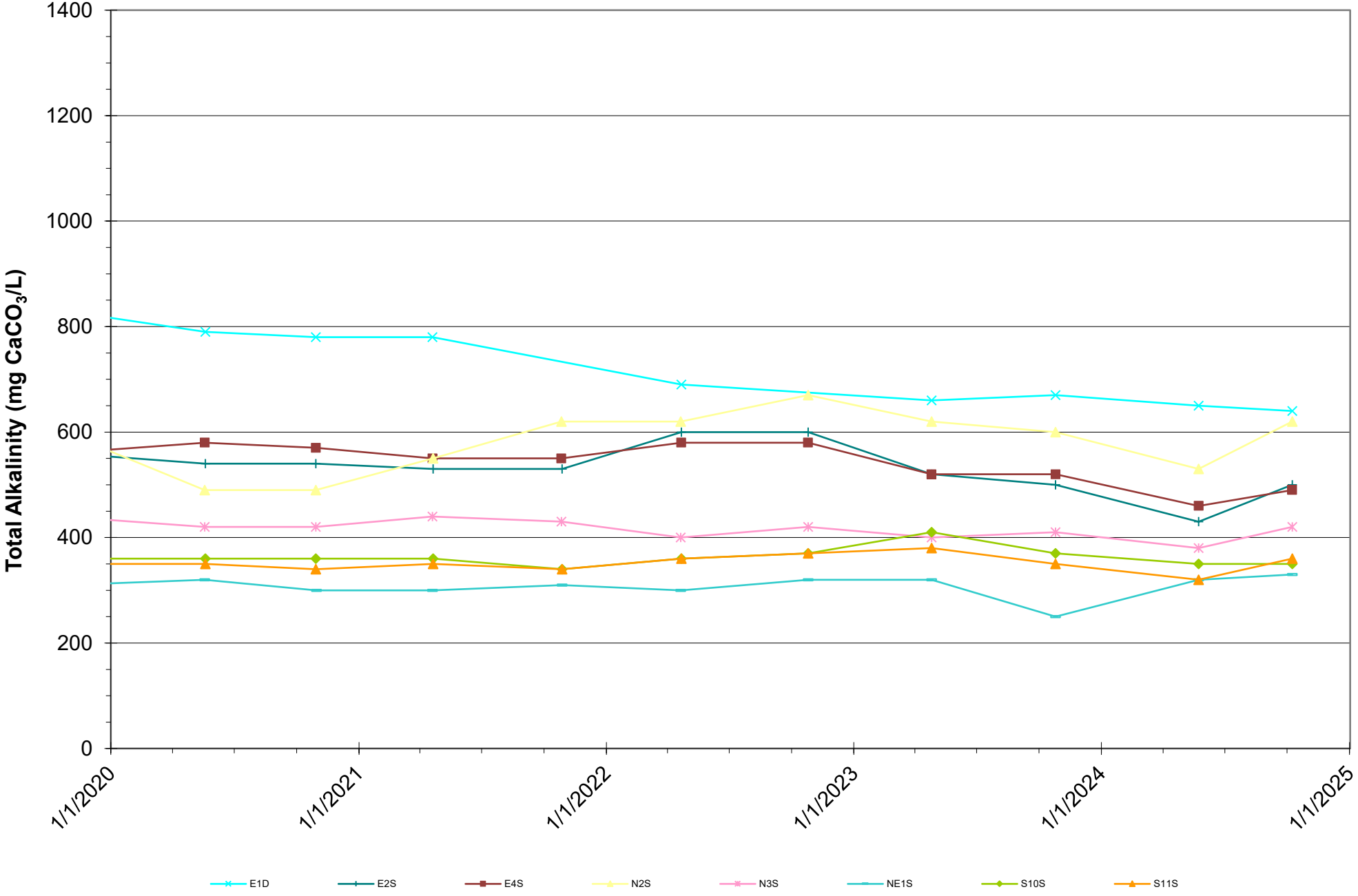


Table C8 - Alkalinity Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

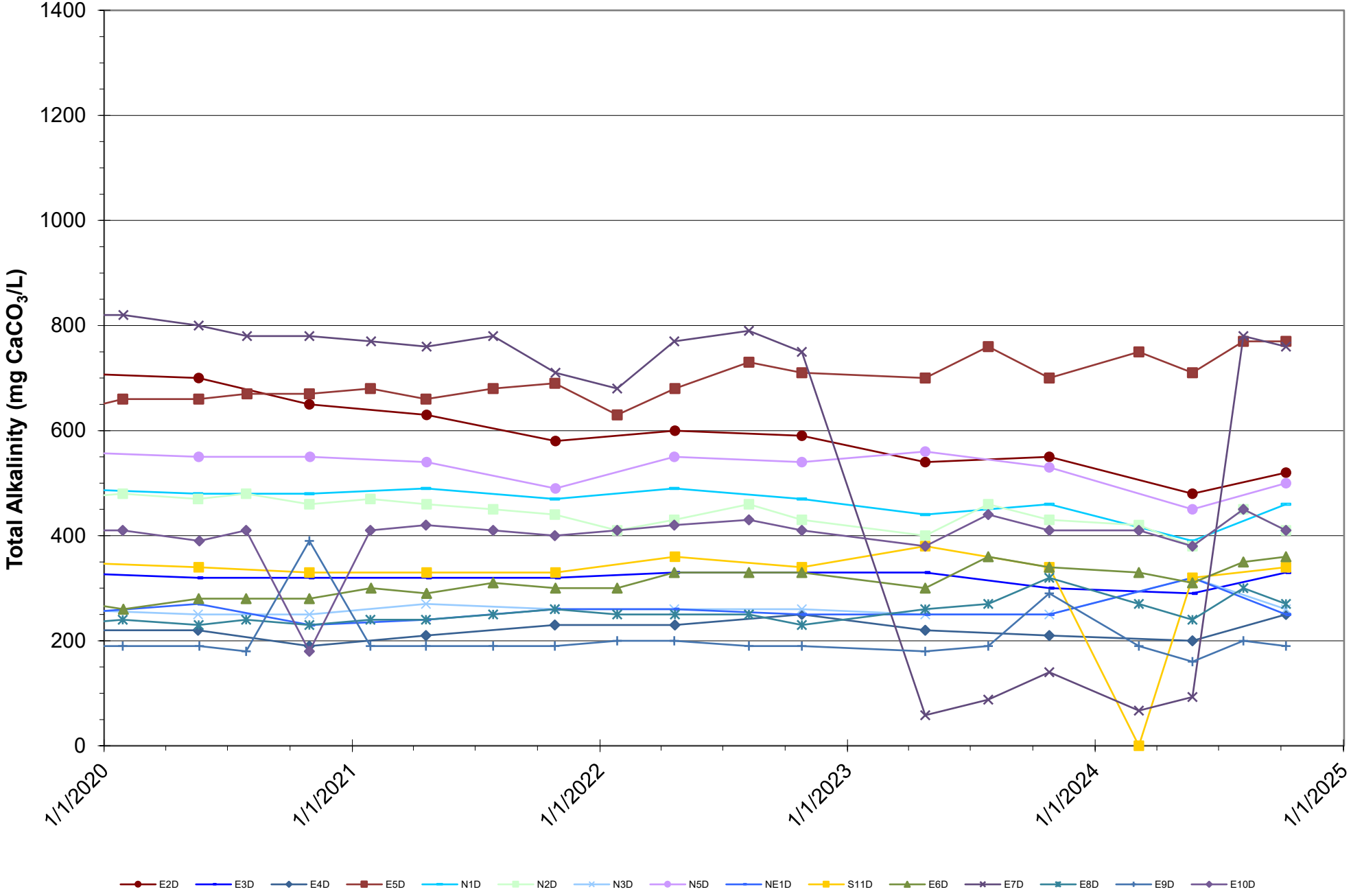


Table C9 - Total Alkalinity Time Series - Water Supply Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

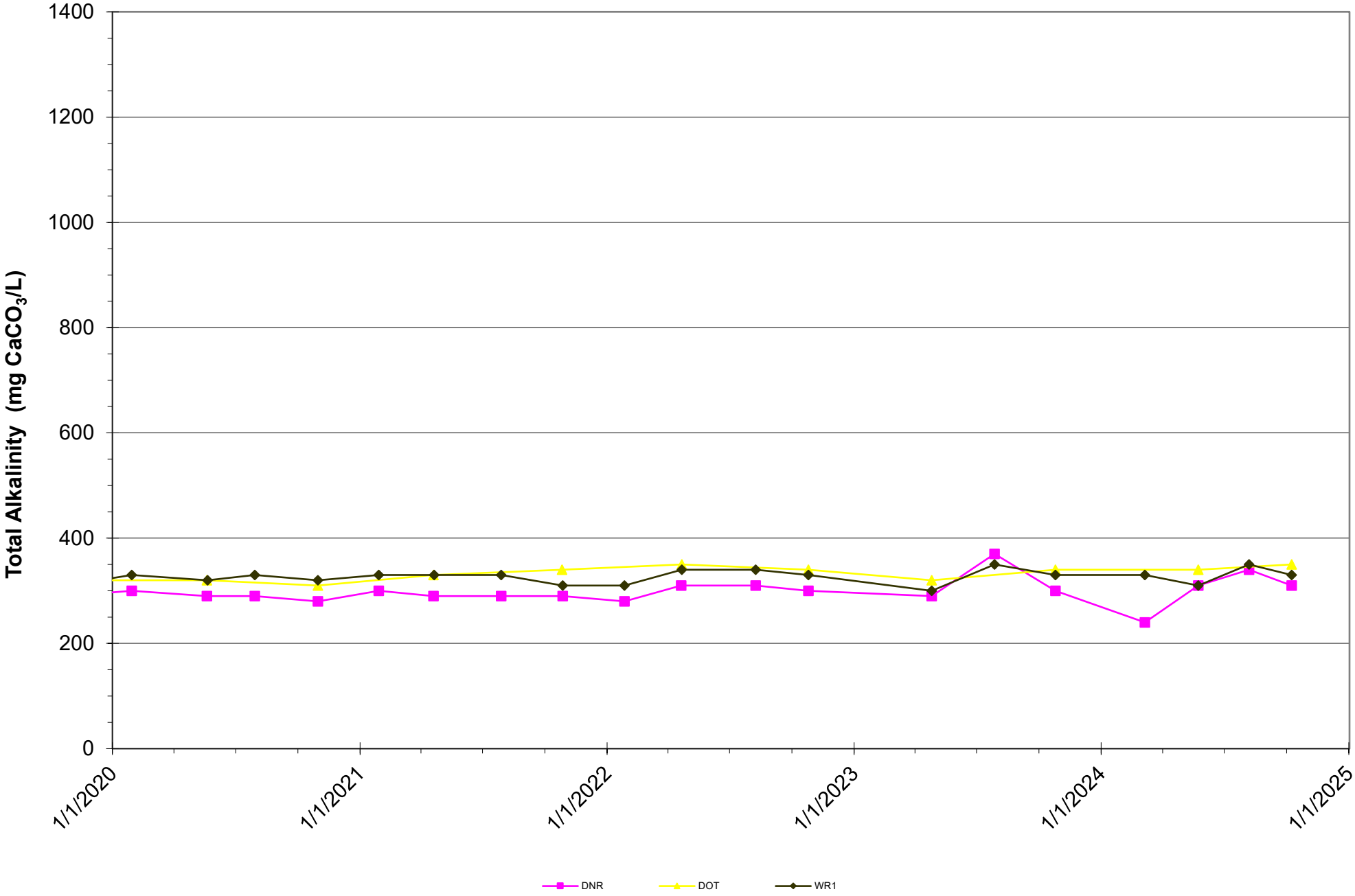


Table C10 - Chloride Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

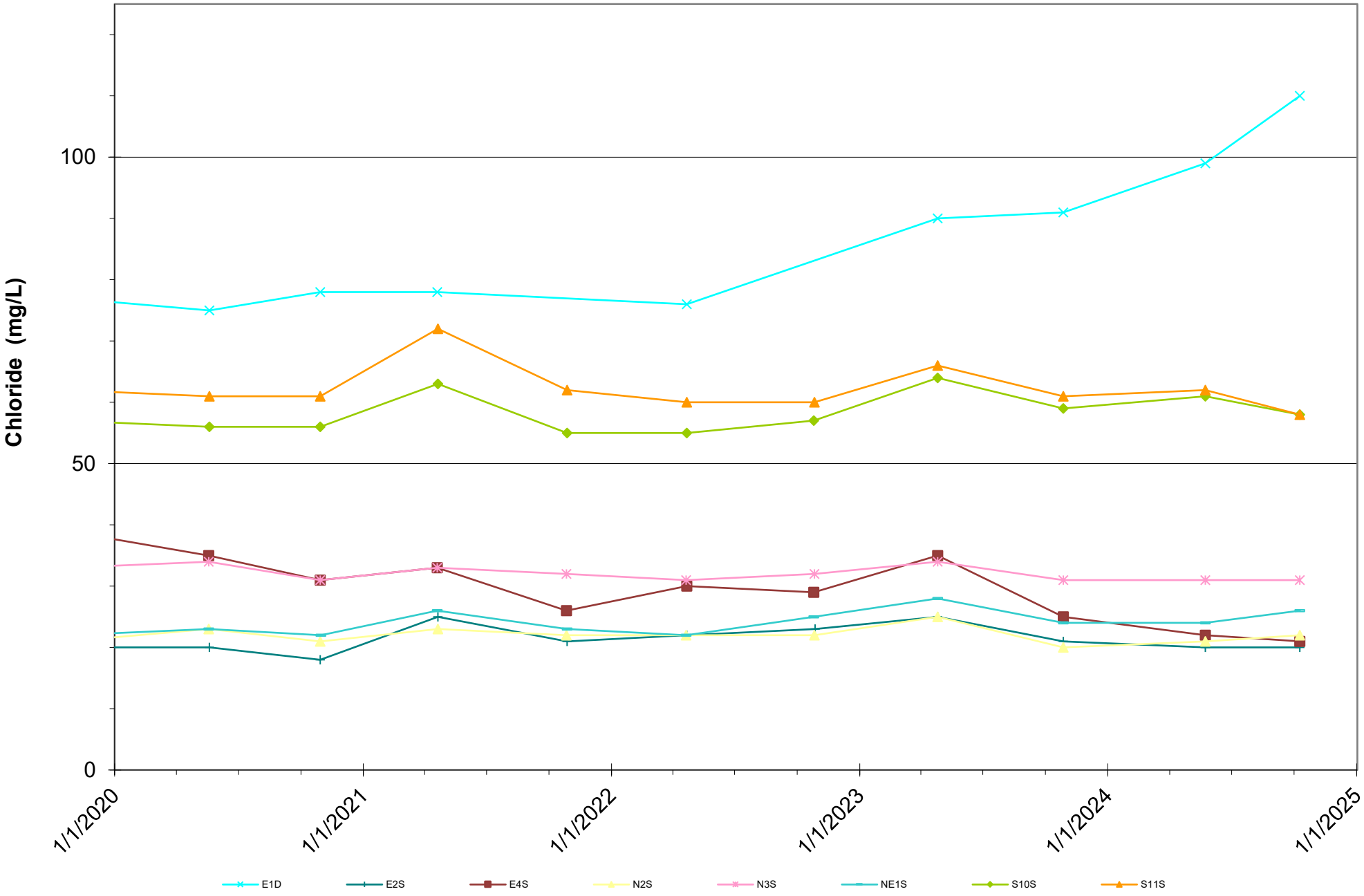


Table C11 - Chloride Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

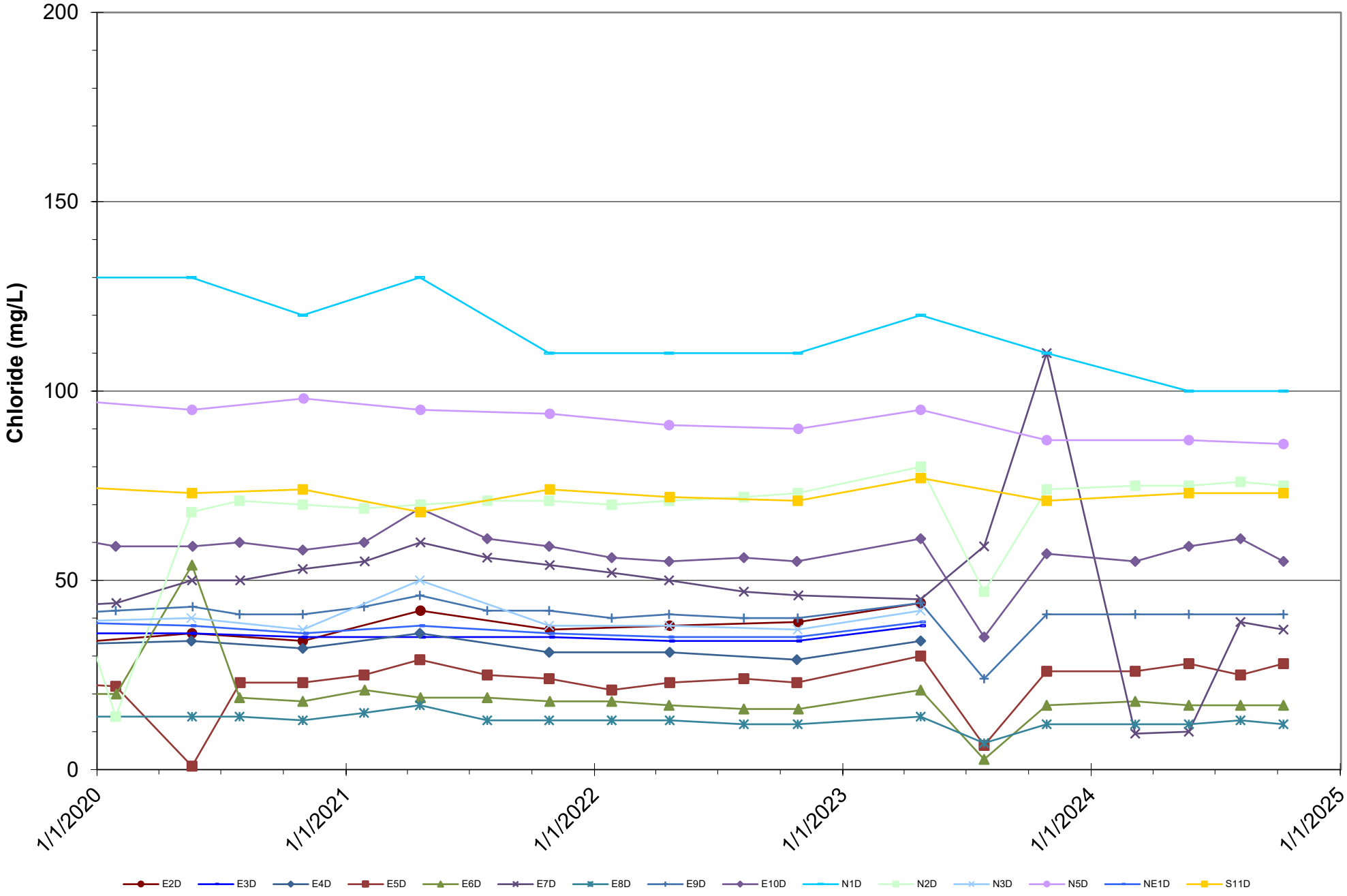
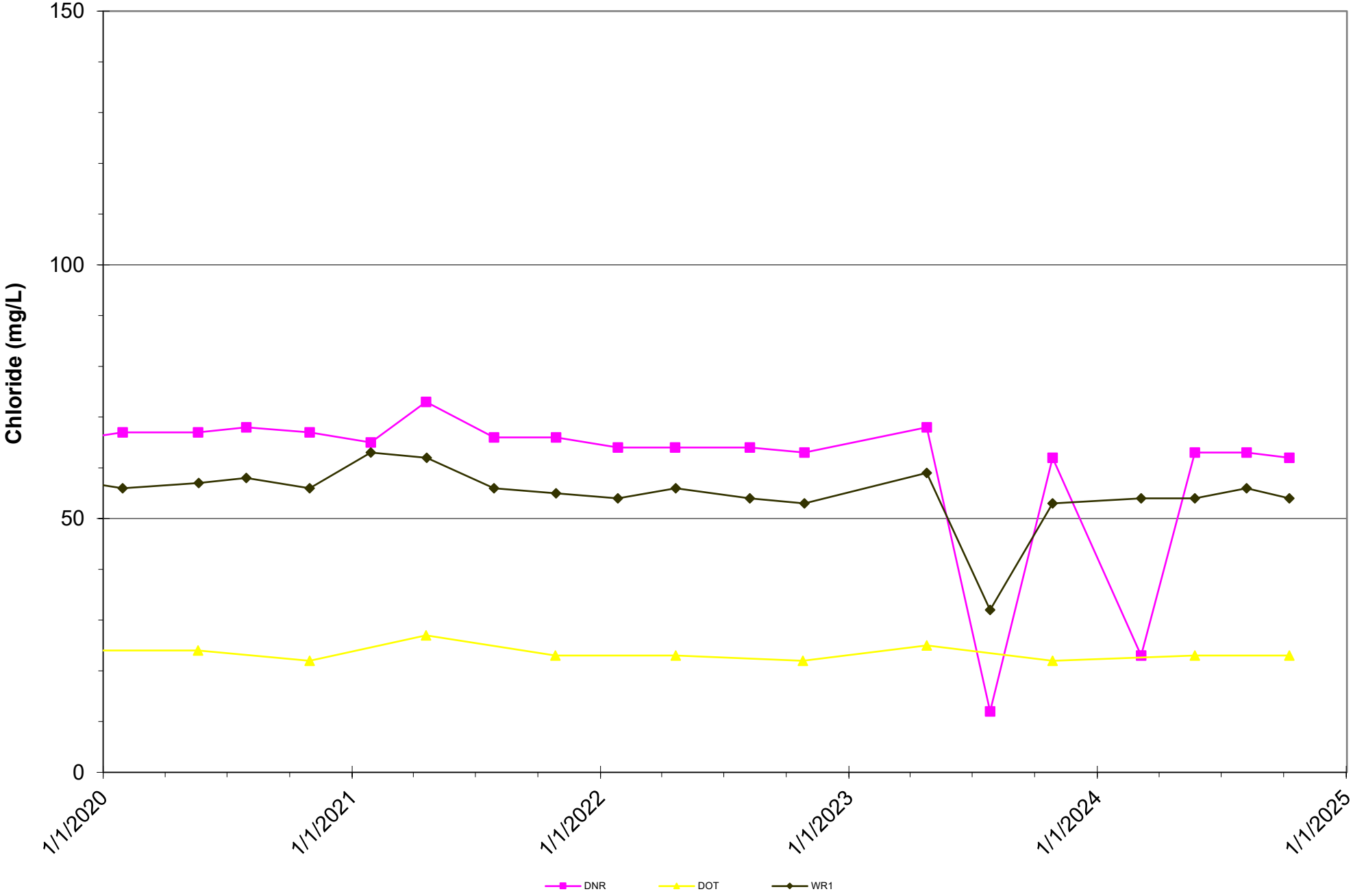


Table C12 - Chloride Time Series - Water Supply Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington



Tables C13 - Sulfate Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

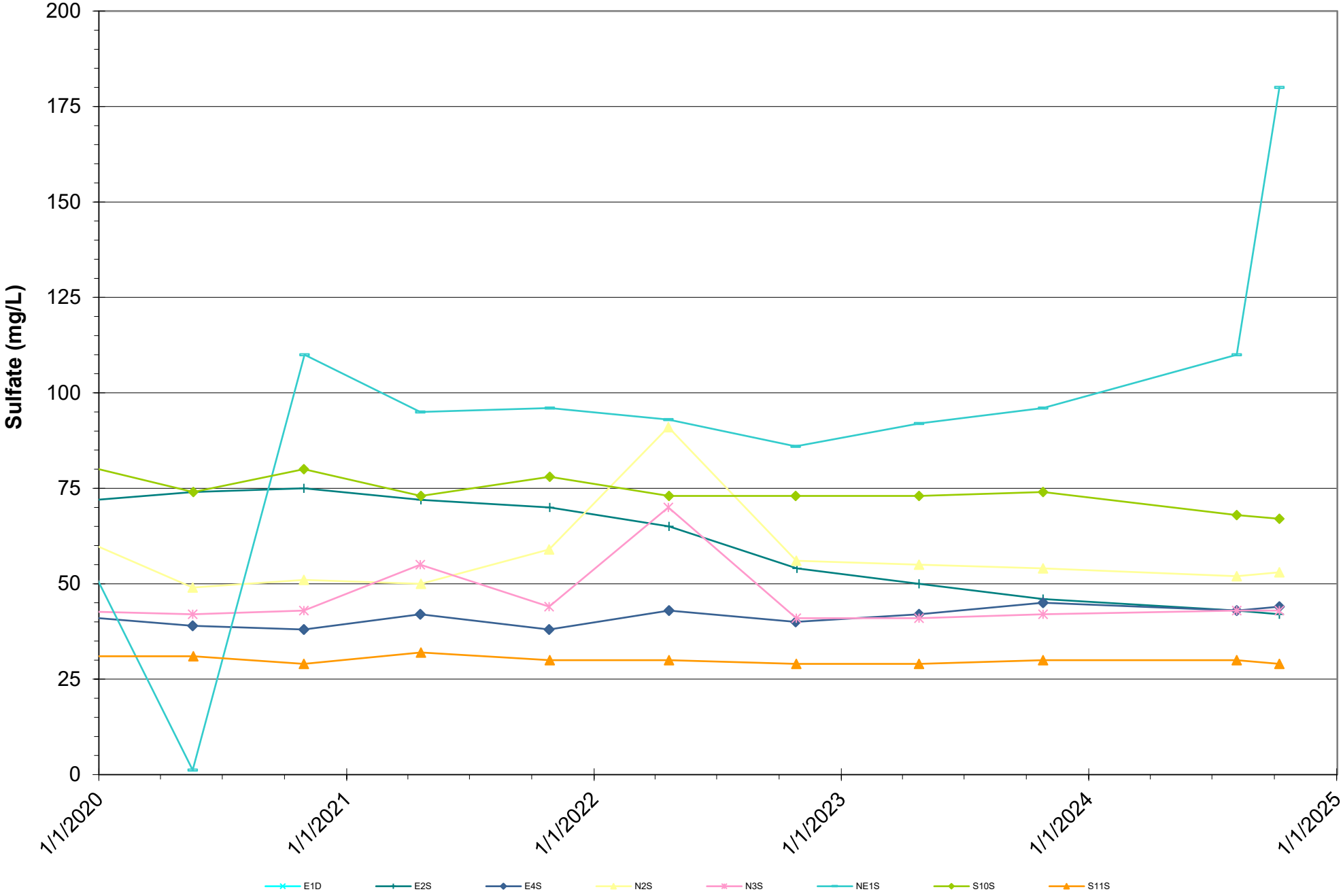


Table C14 - Sulfate Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

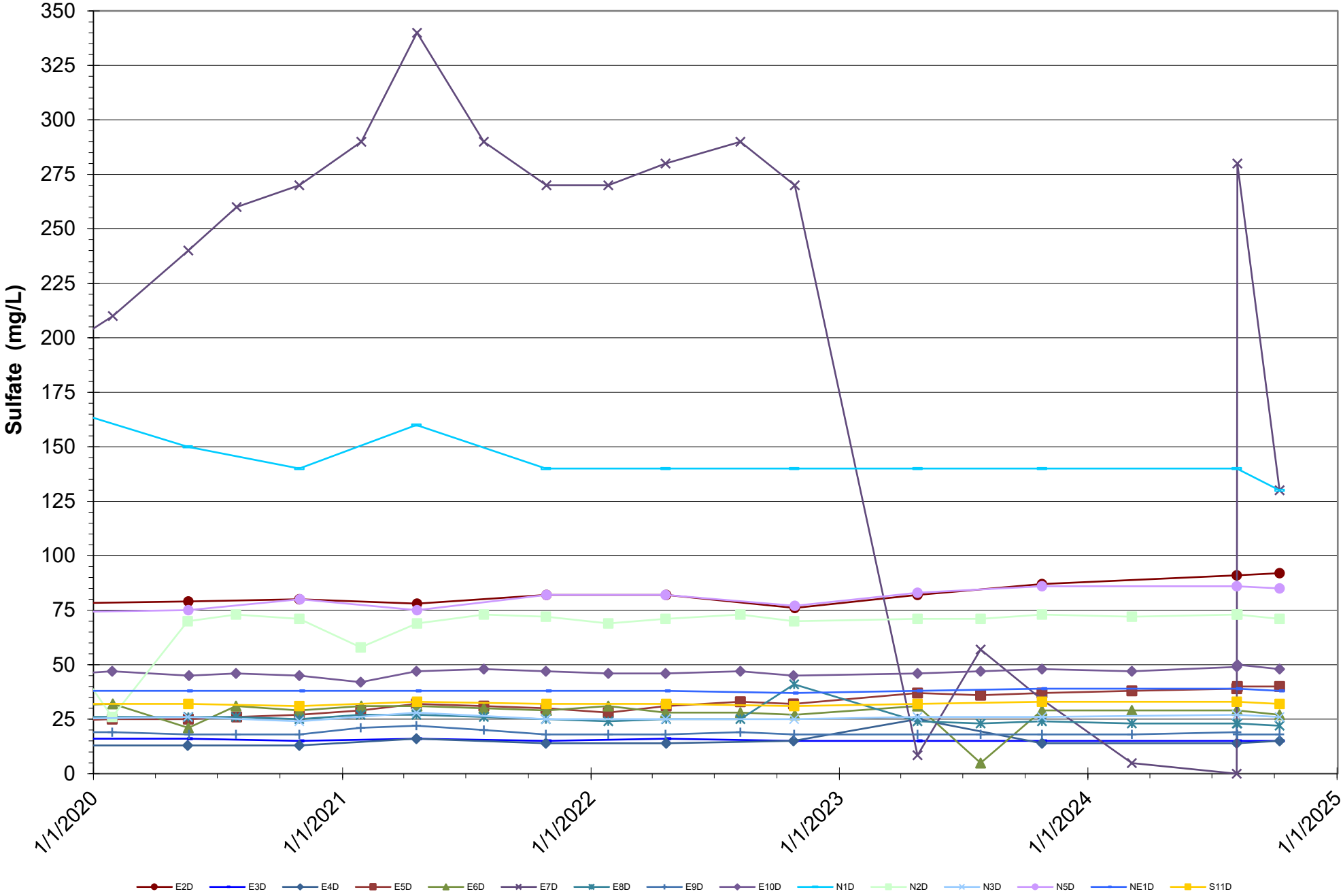


Table C15 - Sulfate Time Series - Water Supply Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

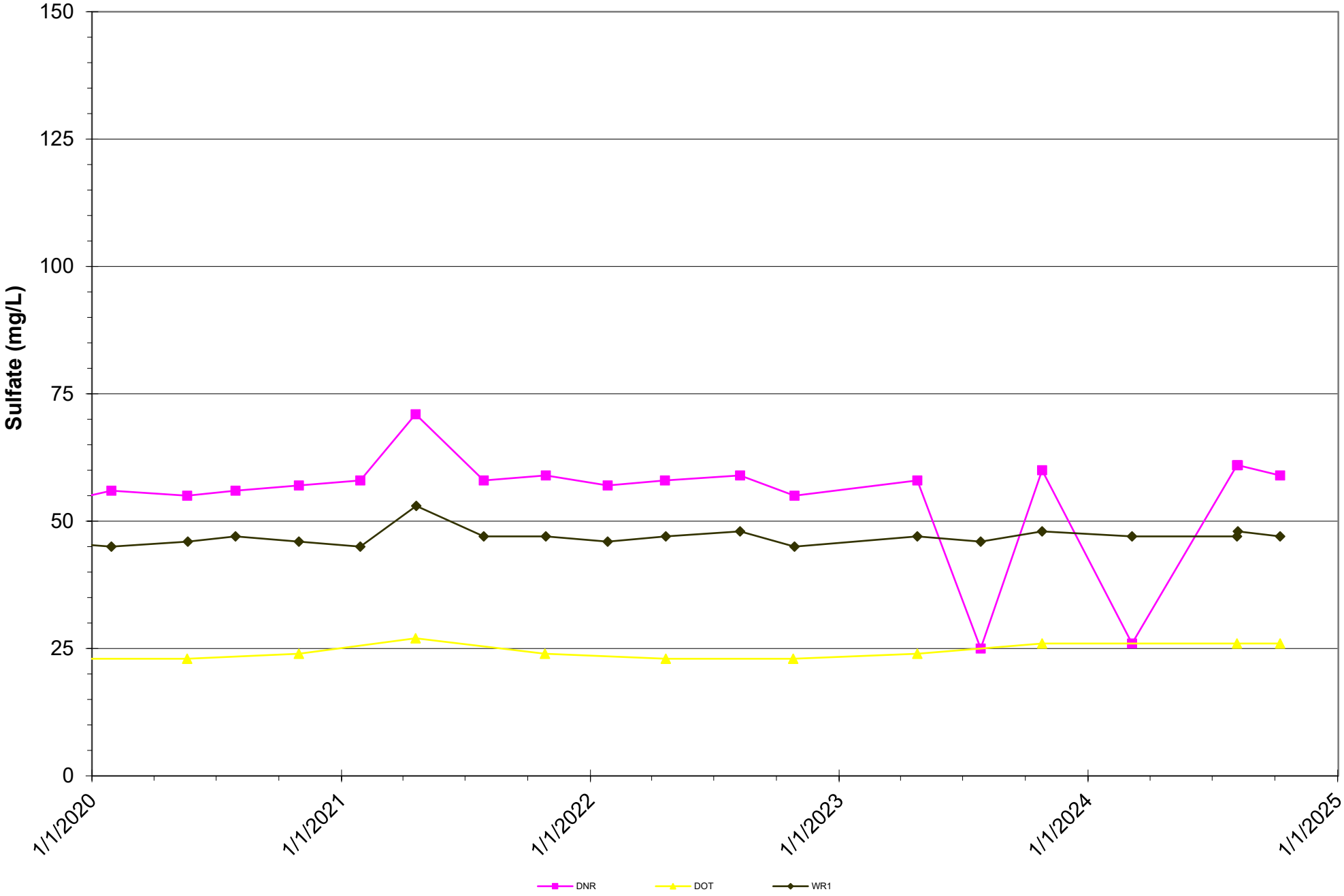


Table C16 - Total Dissolved Solids Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

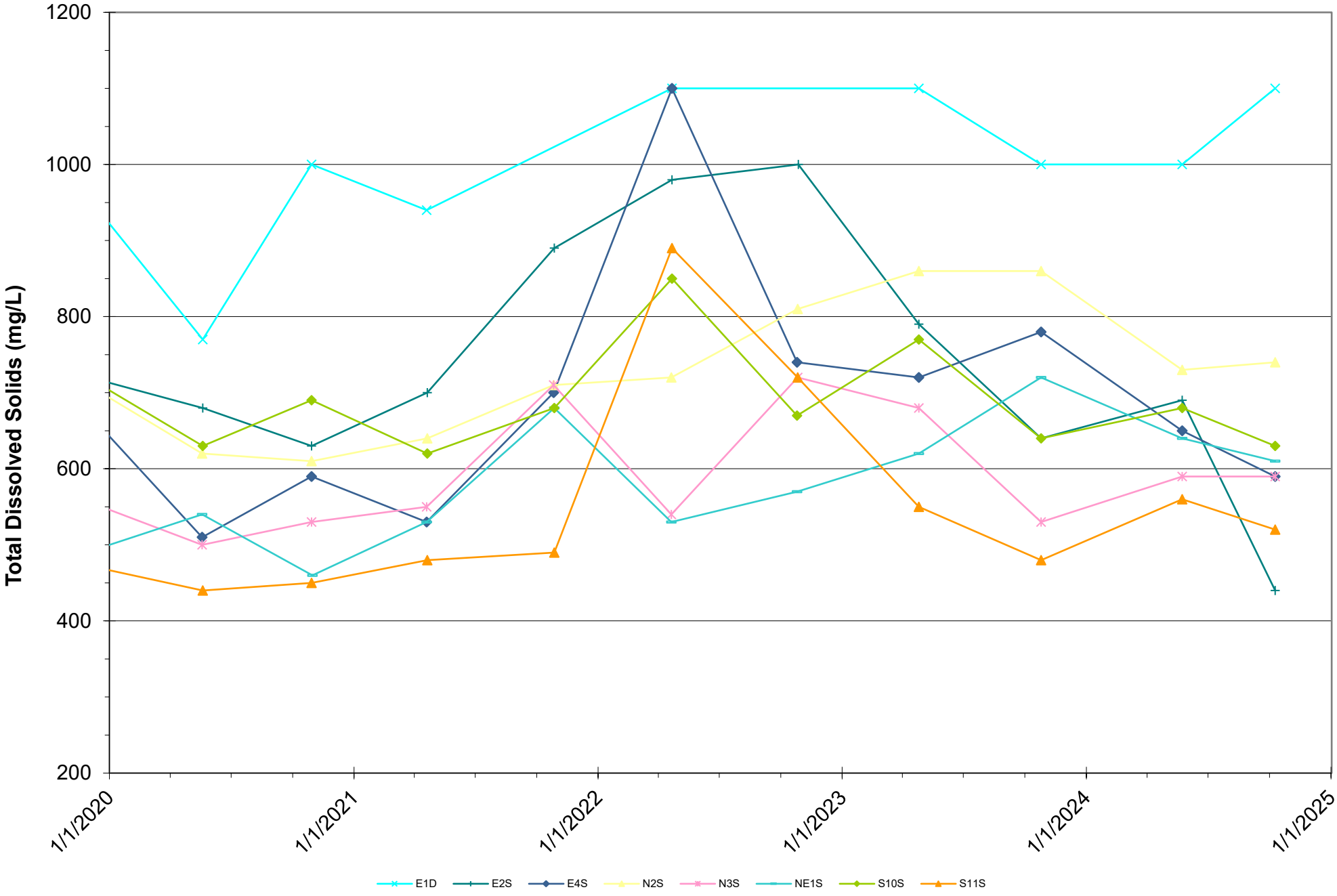


Table C17 - Total Dissolved Solids Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

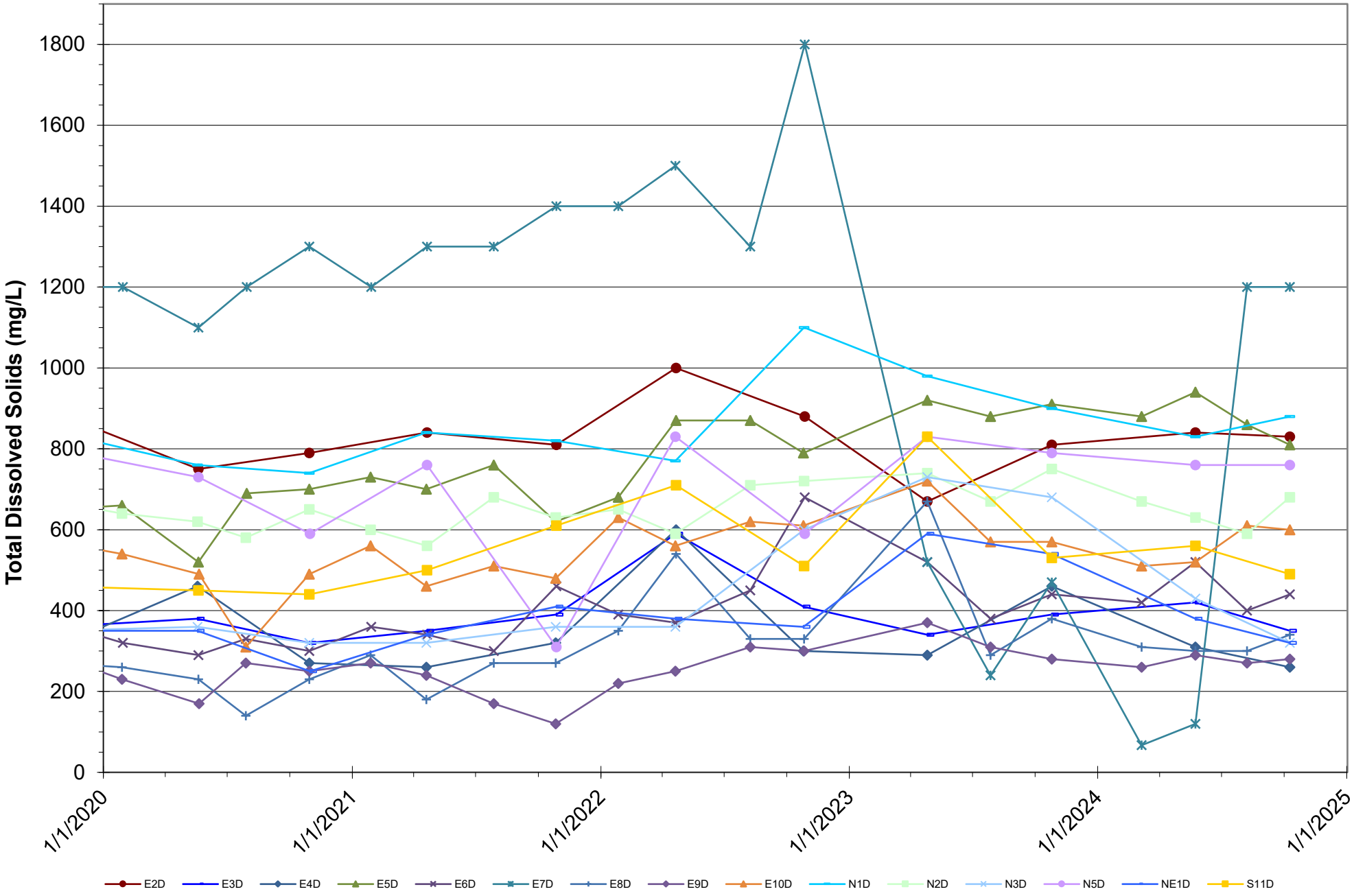


Table C18 -Total Dissolved Solids Time Series - Water Supply Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

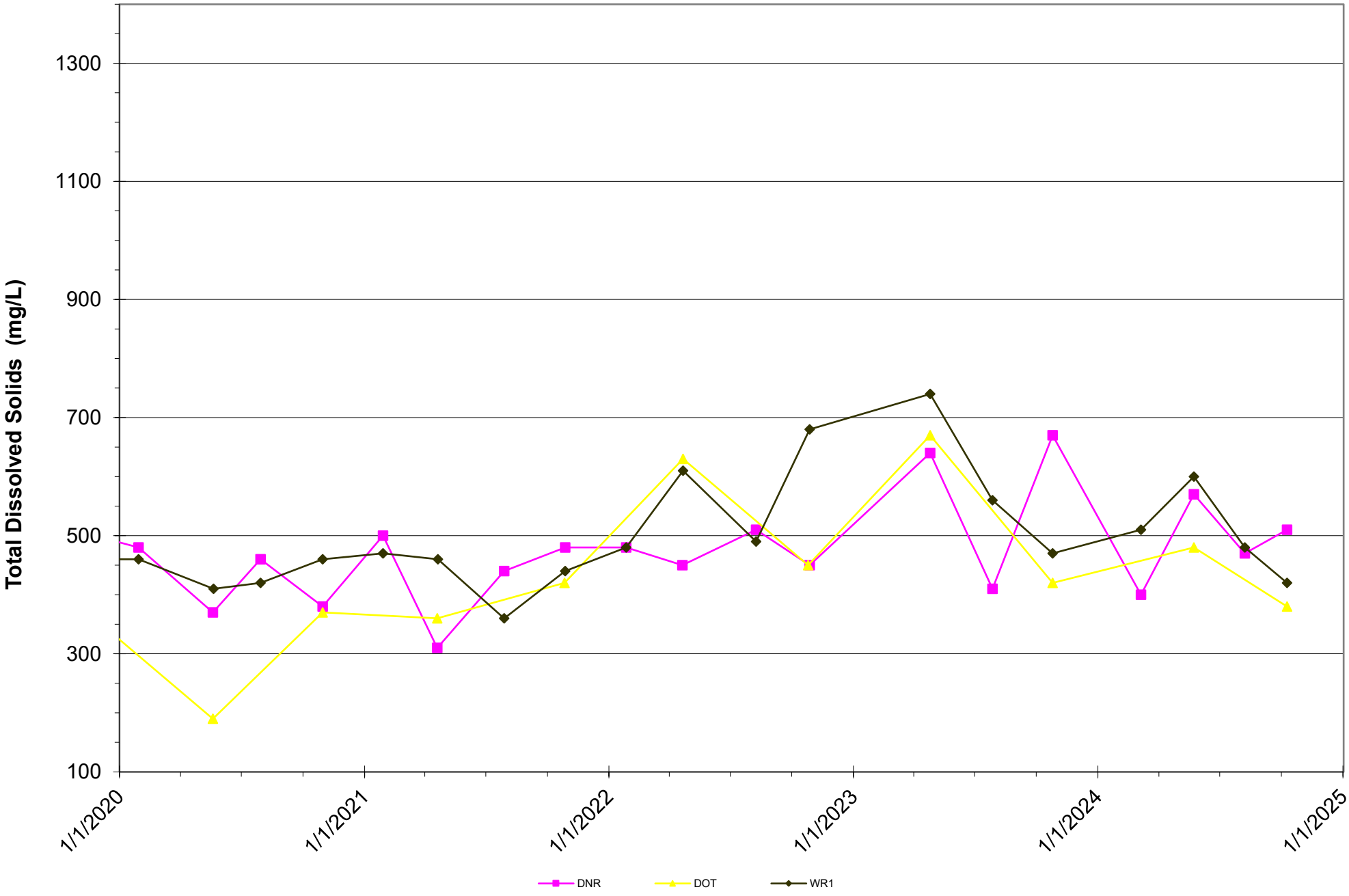


Table C19 - Total Nitrate/Nitrite Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

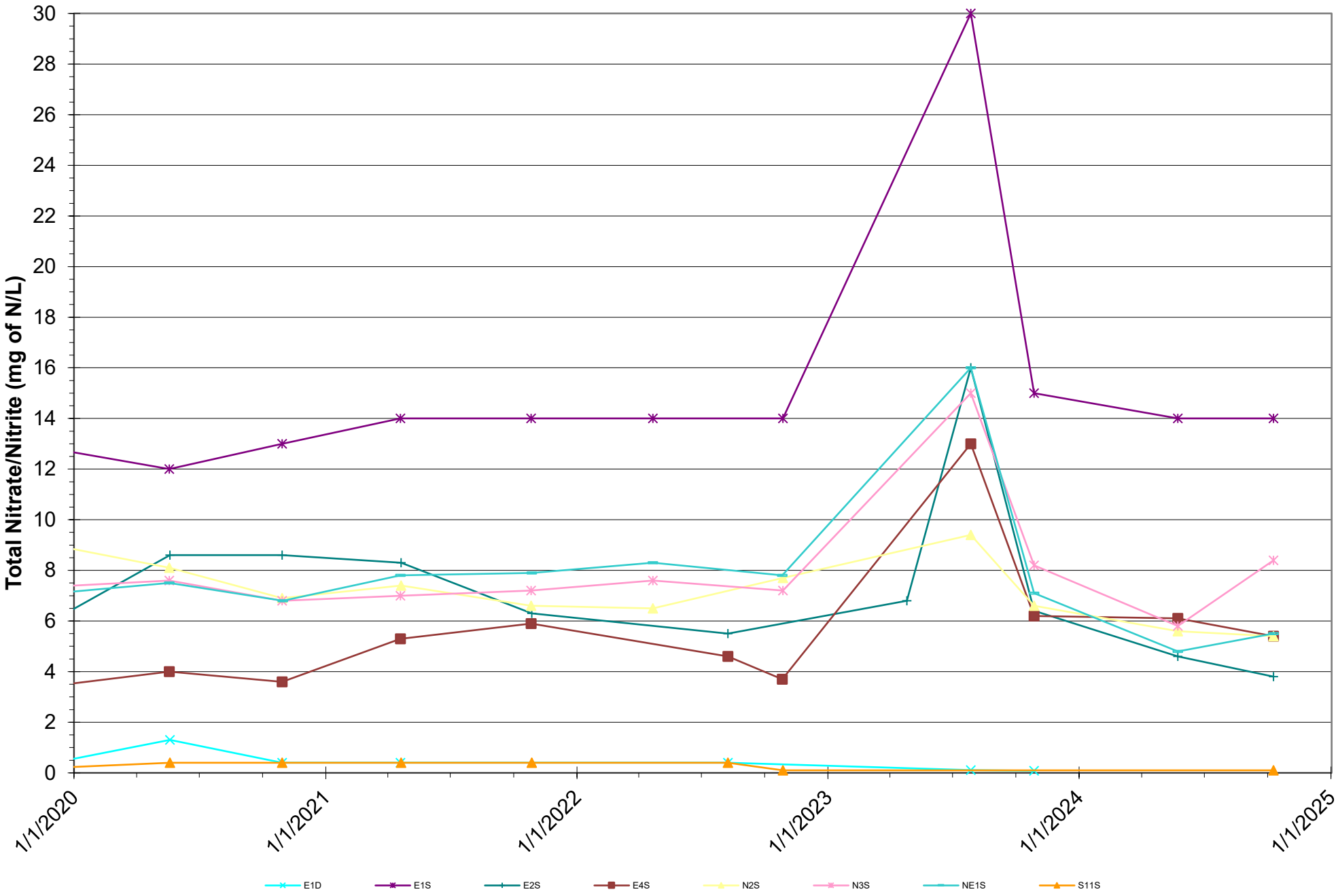


Table C20 -Total Nitrate/Nitrite Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste , Island County, Washington

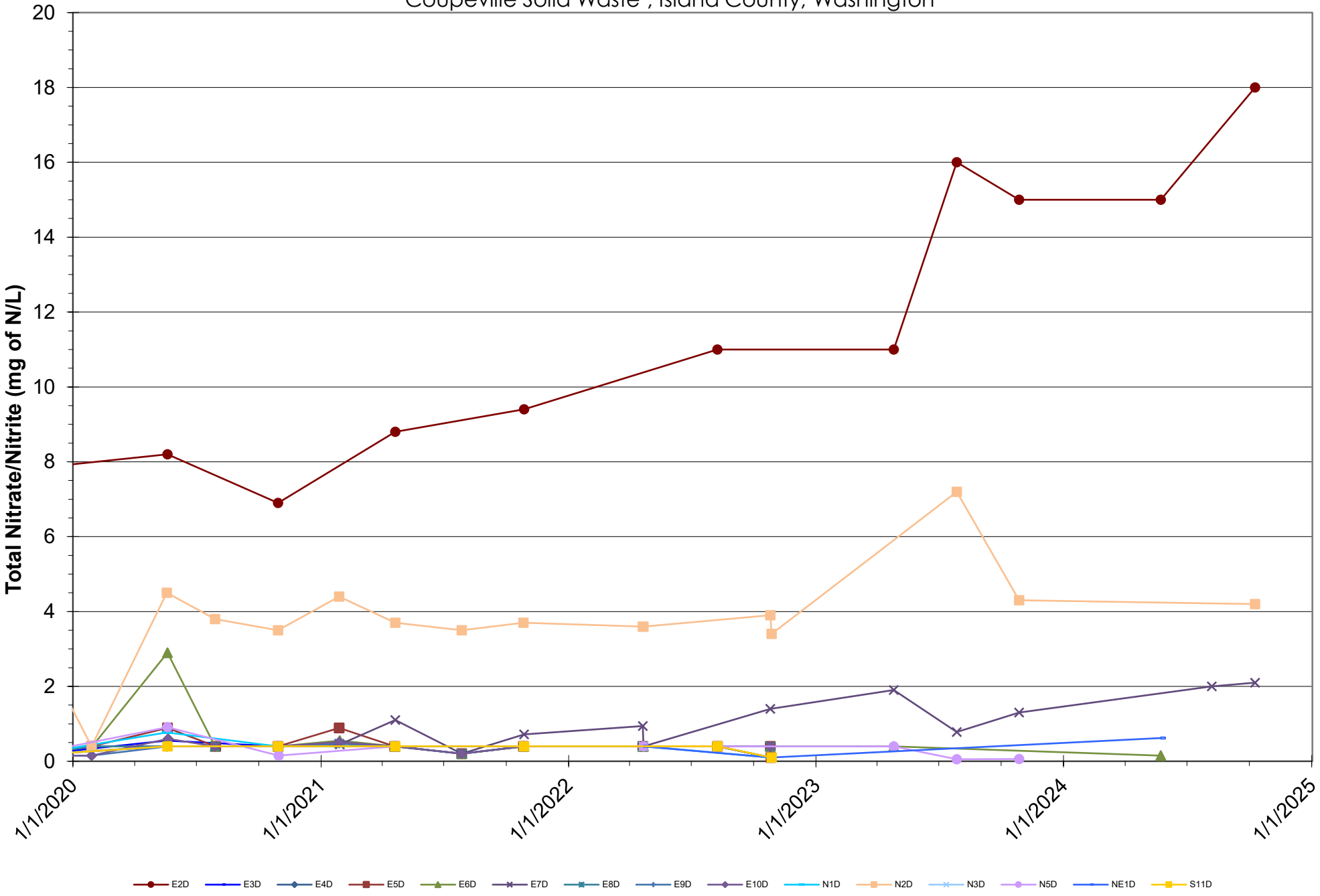


Table C21 - Total Nitrate/Nitrite Time Series - Water Supply Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

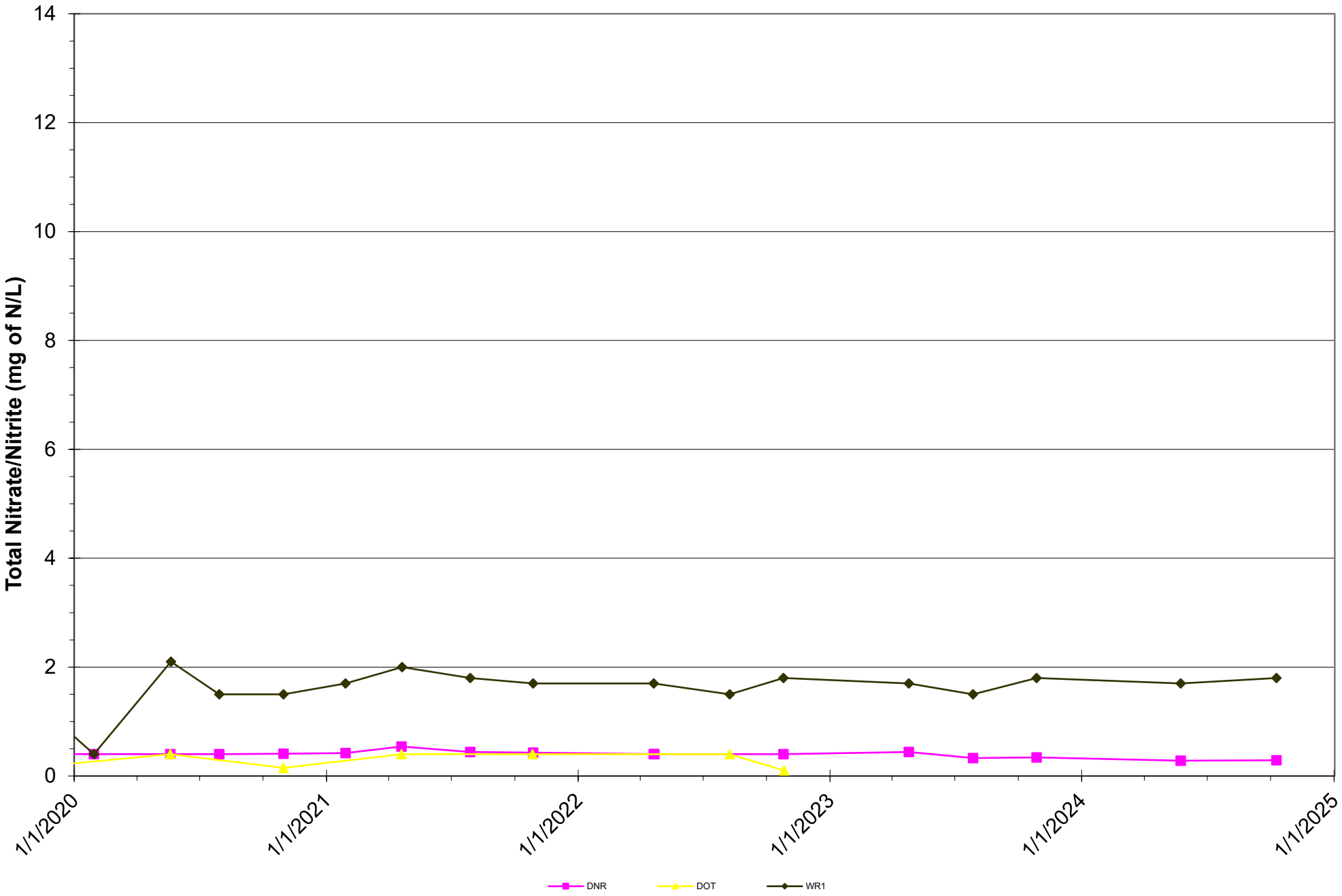


Table C22 -Total Nitrate/Nitrite Time Series - S10S
2024 Annual Moniroting Report
Coupeville Solid Waste Facility, Island County, Washington

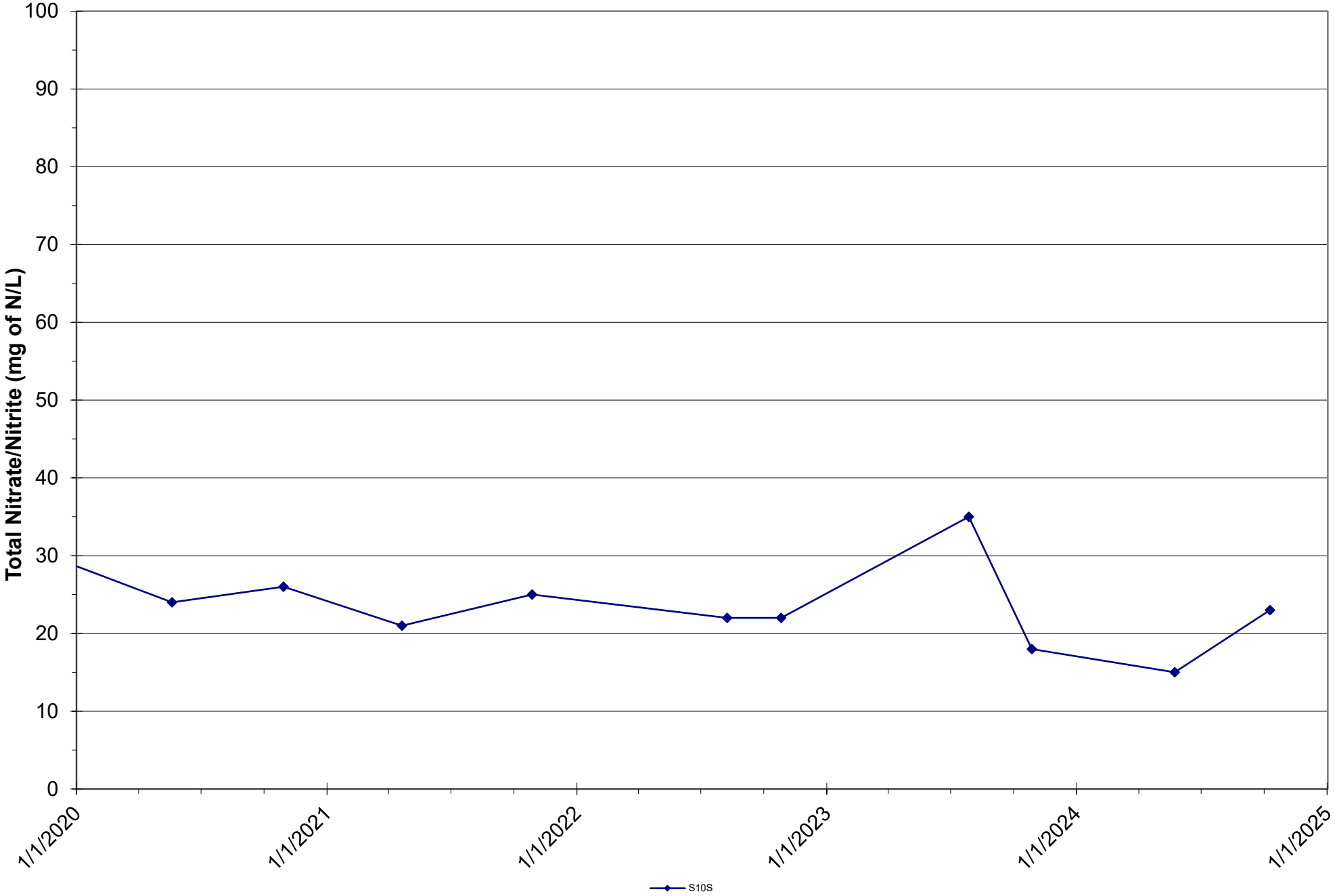


Table C21 - Total Nitrate/Nitrite Time Series - Water Supply Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

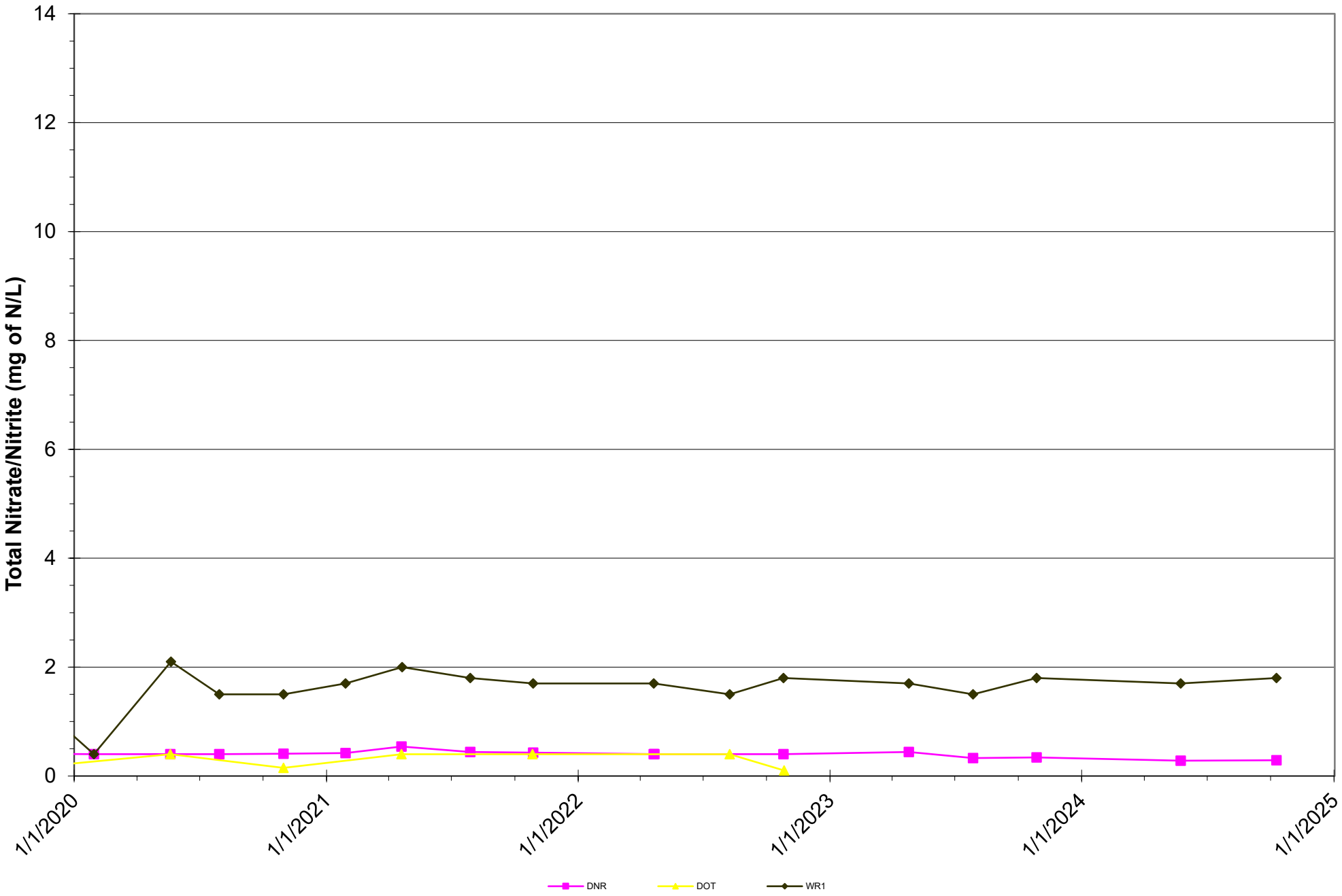


Table C23 - Total Organic Carbon Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

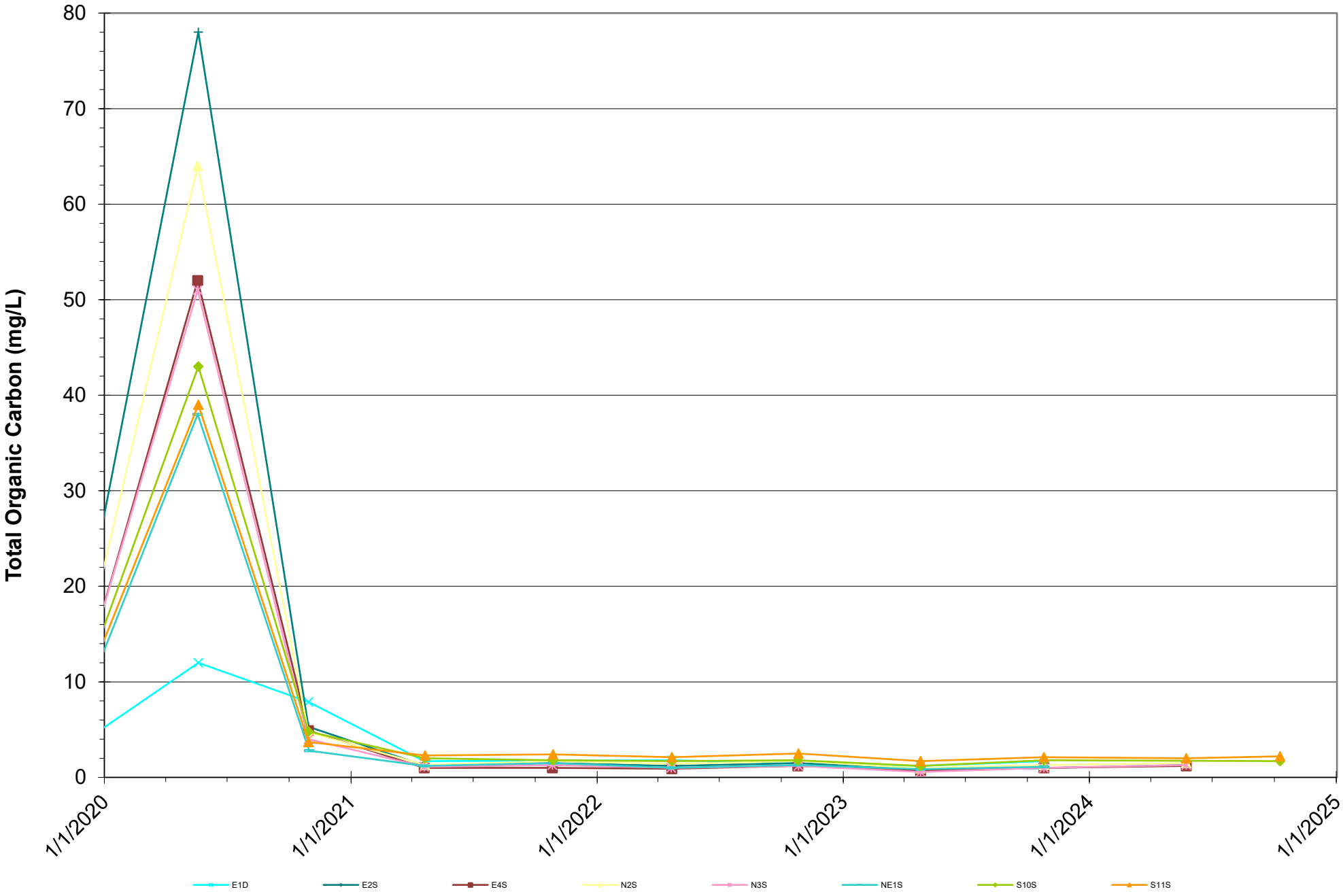


Table C24 - Total Organic Carbon Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

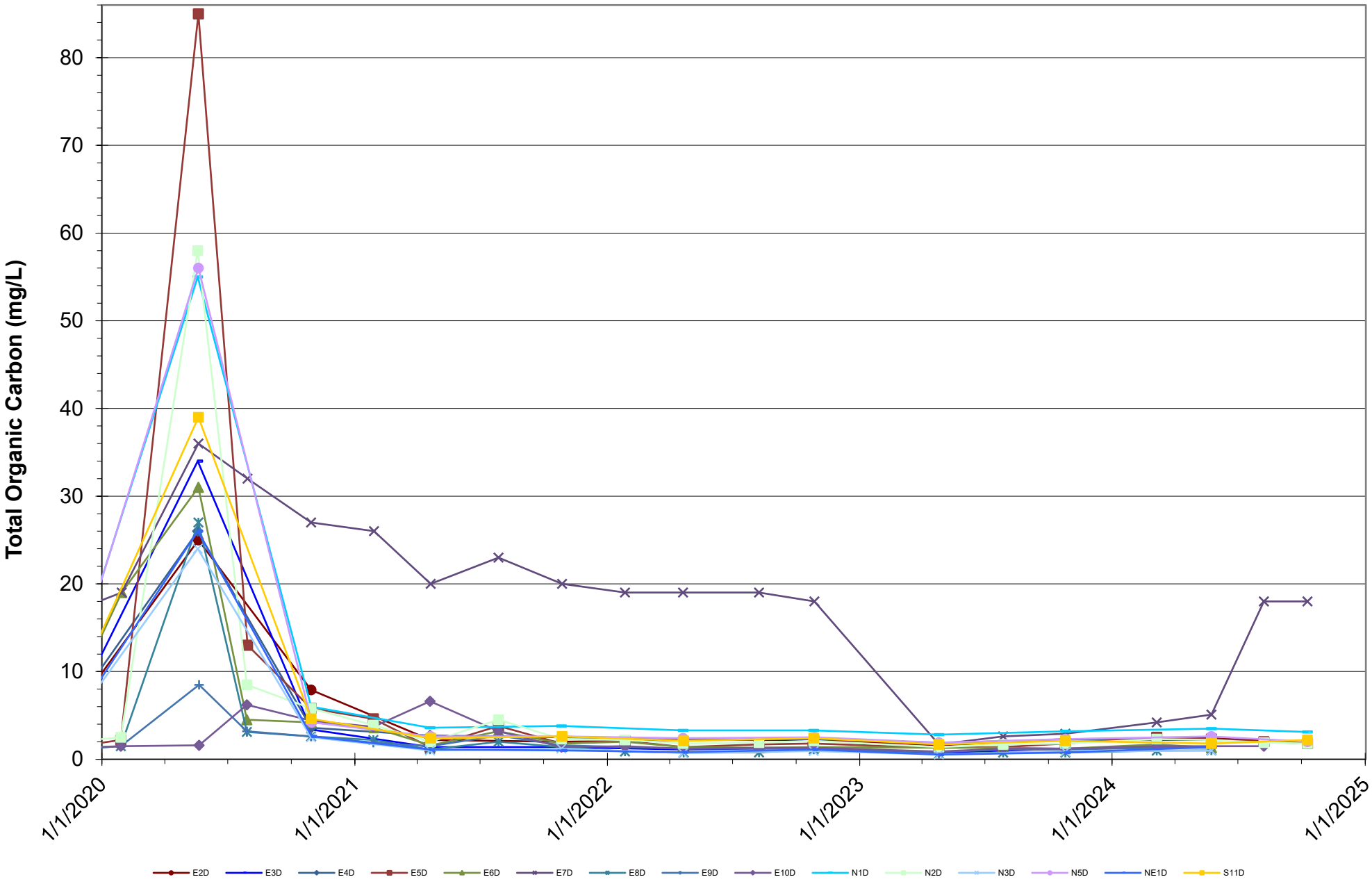


Table C25 - Total Organic Carbon Time Series - Water Supply Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

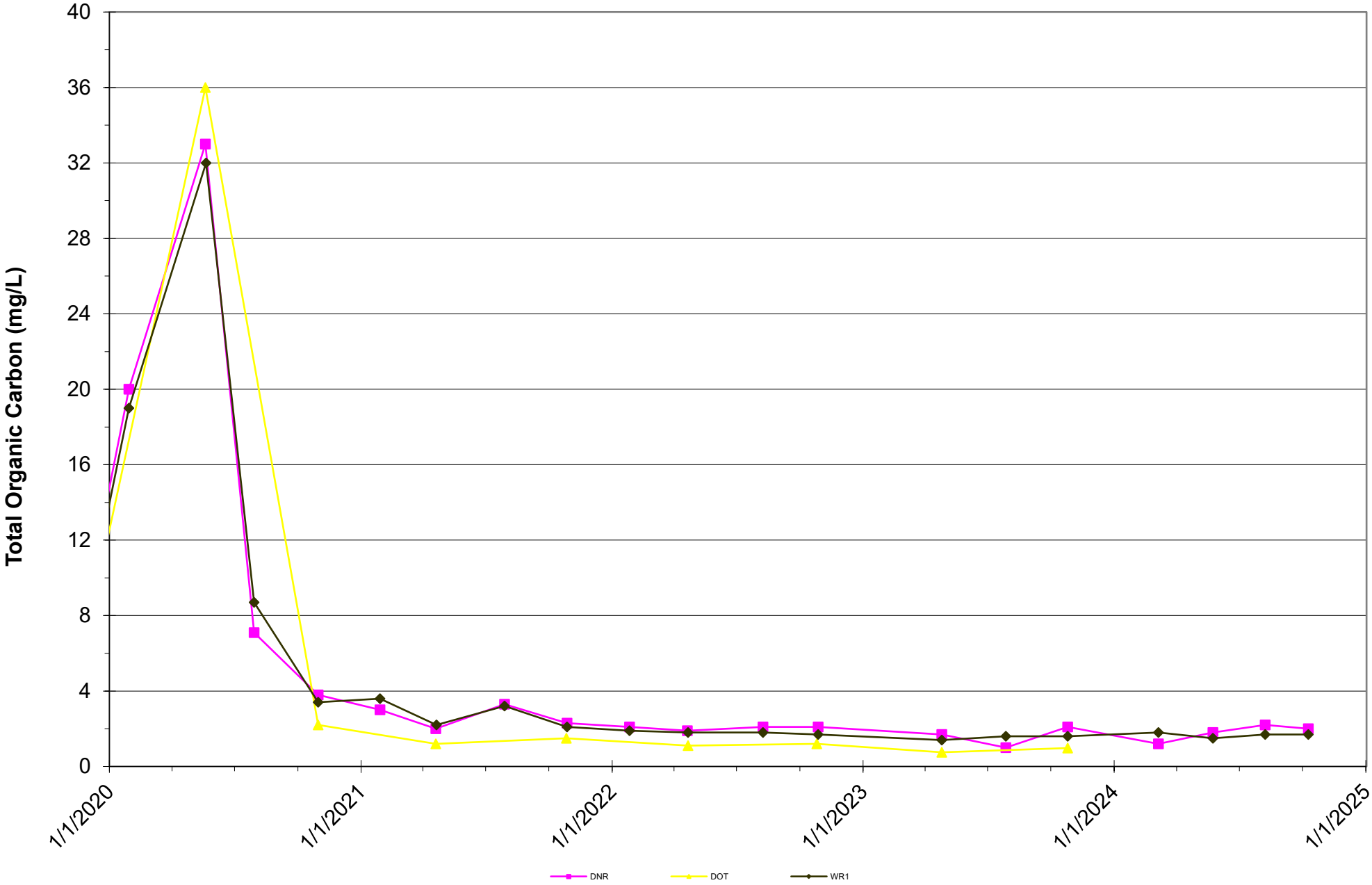


Table C26 - Barium Time Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

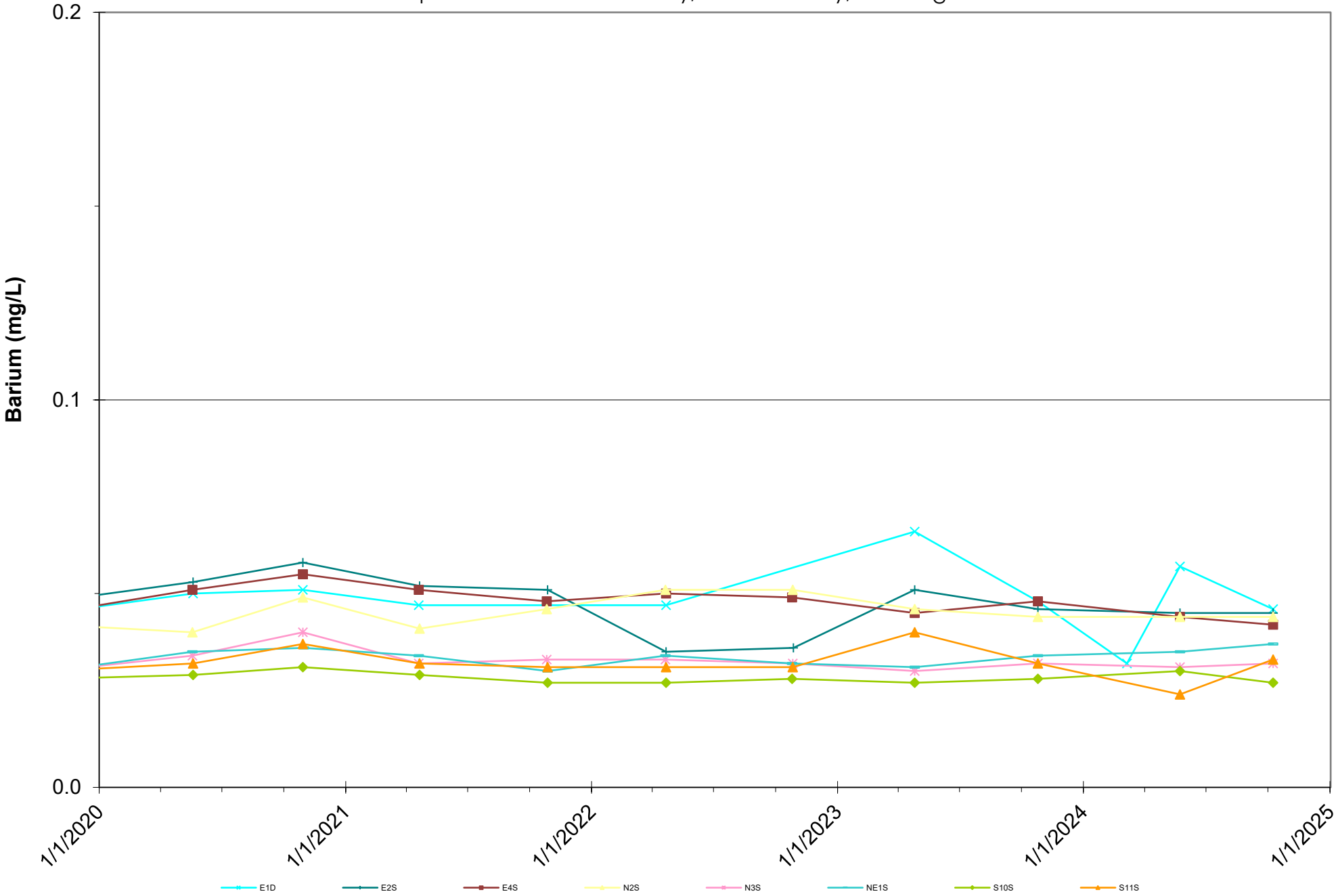


Table C27 - Barium Time Series - Aquifer 2
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

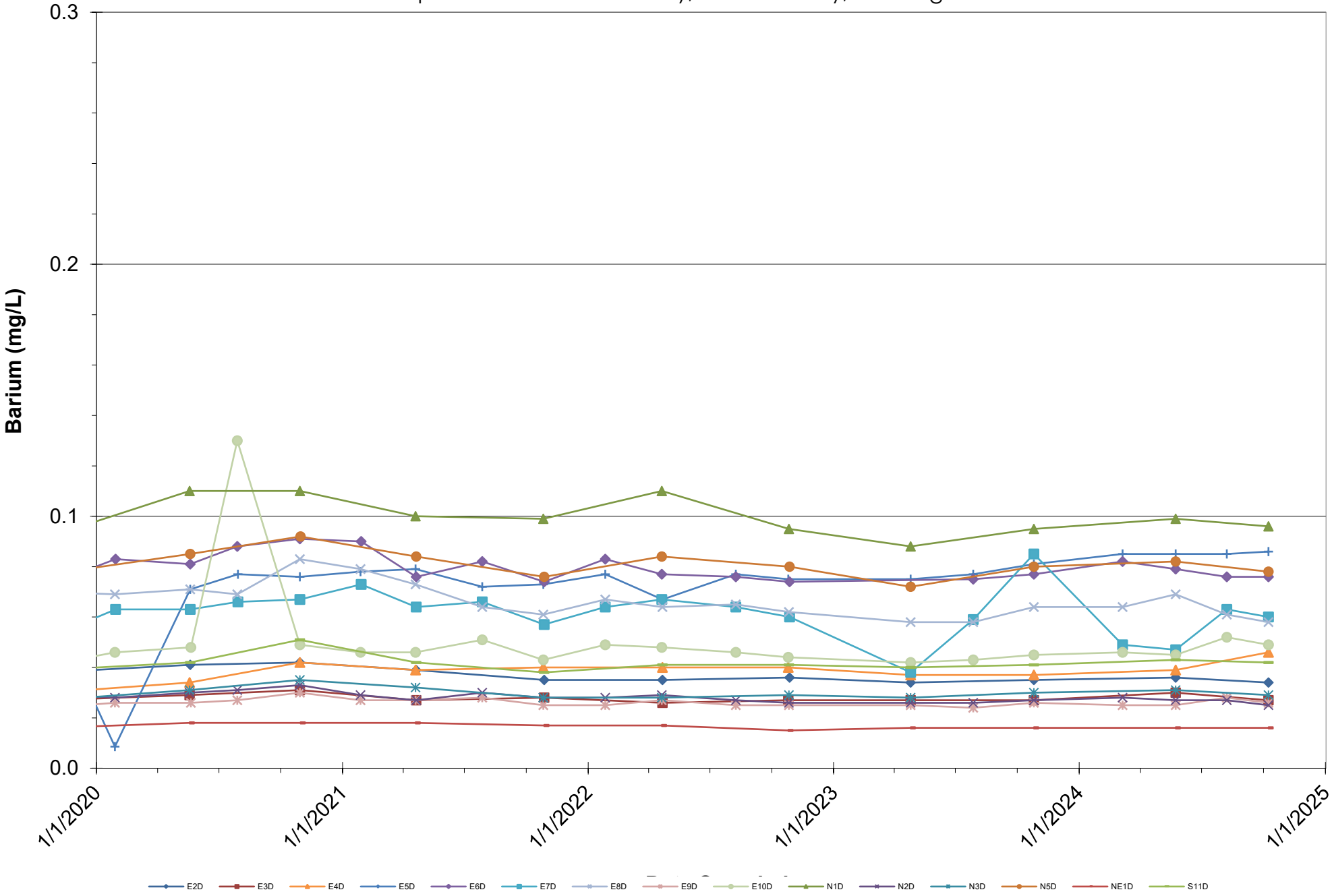


Table C28 - Barium Time Series - Pumping Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

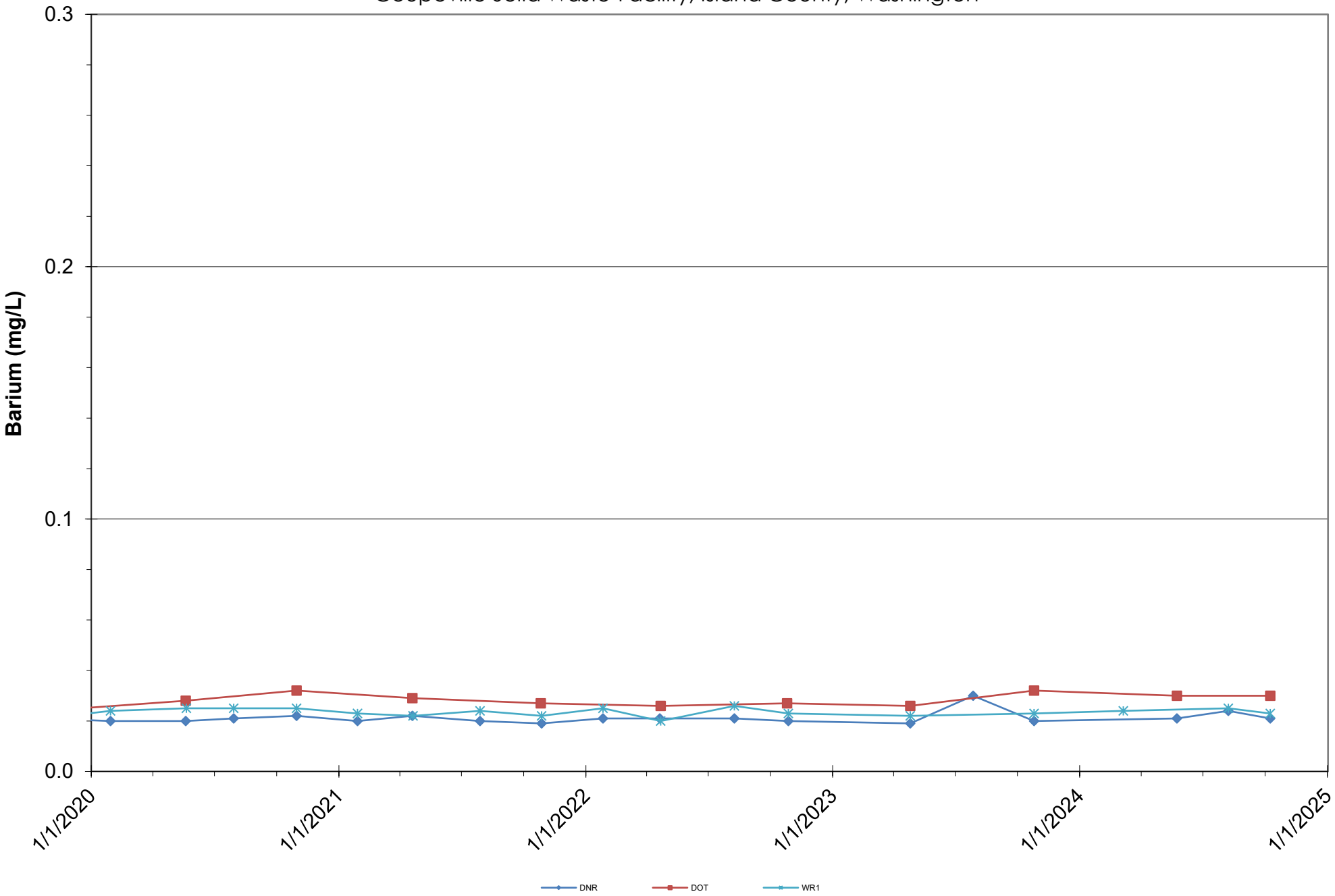


Table C29 - 1,1-Dichloroethane Time Series
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

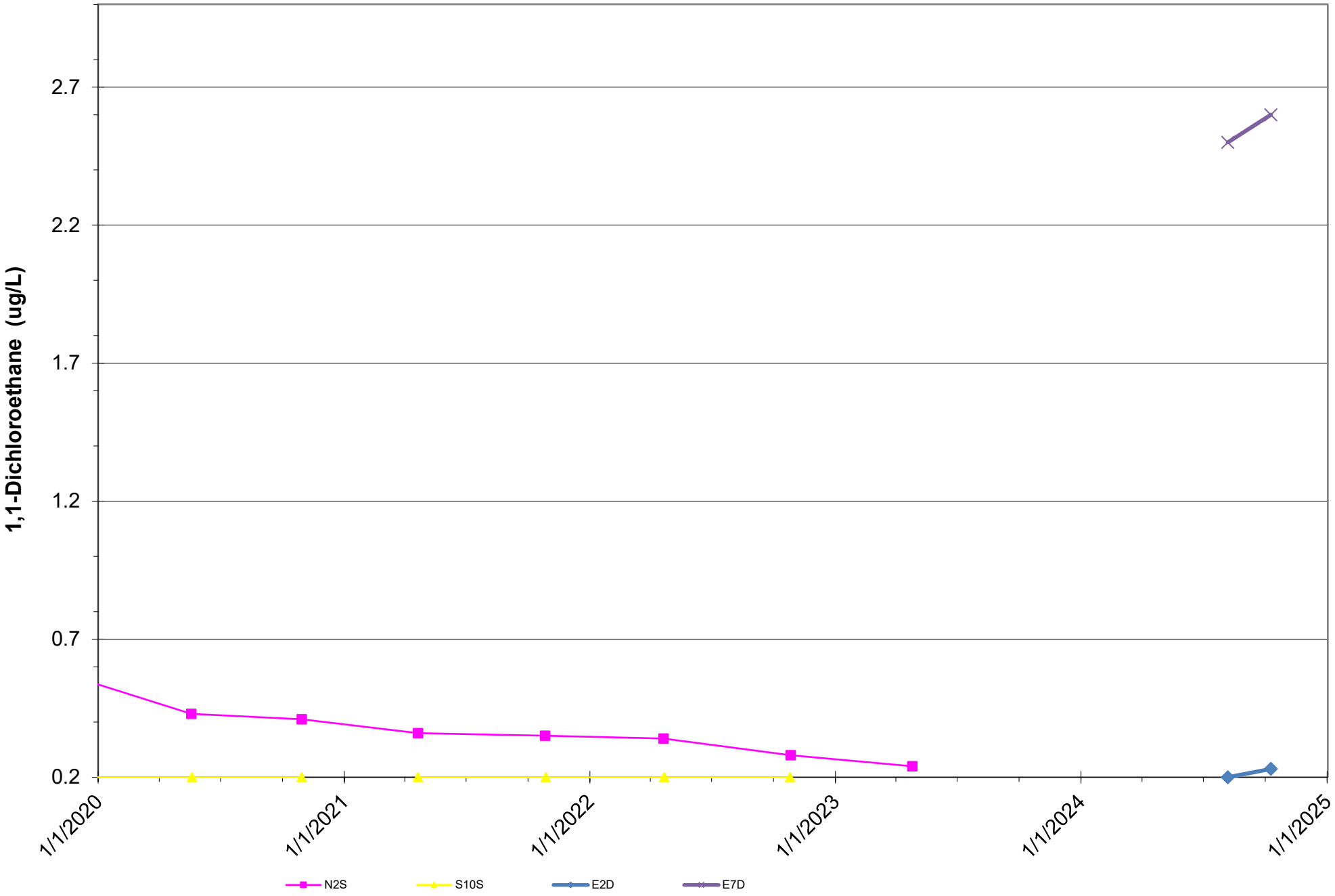


Table C30 - Methylene Chloride Time Series
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

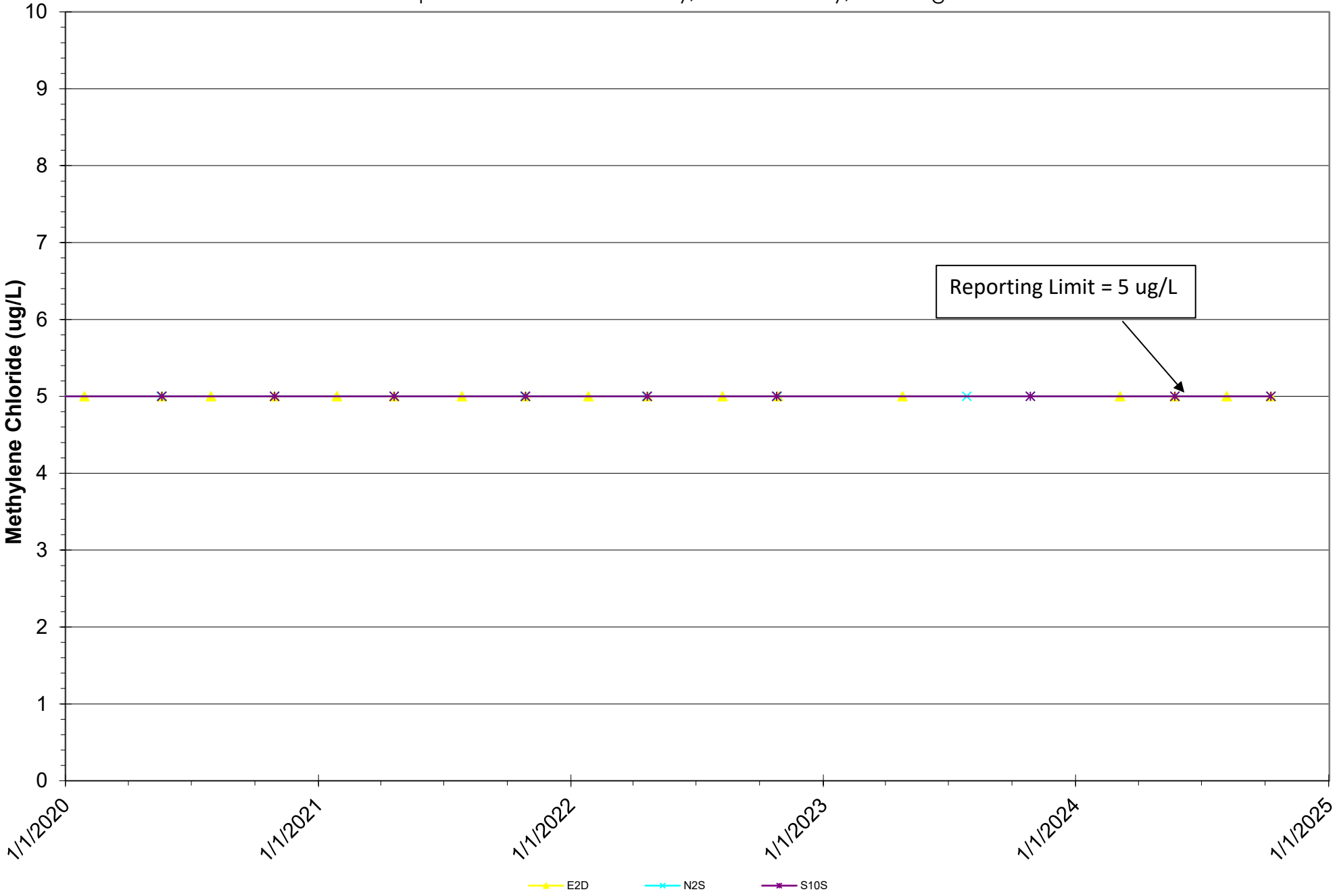


Table C31 - Vinyl ChlorideTime Series - Aquifer 1
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

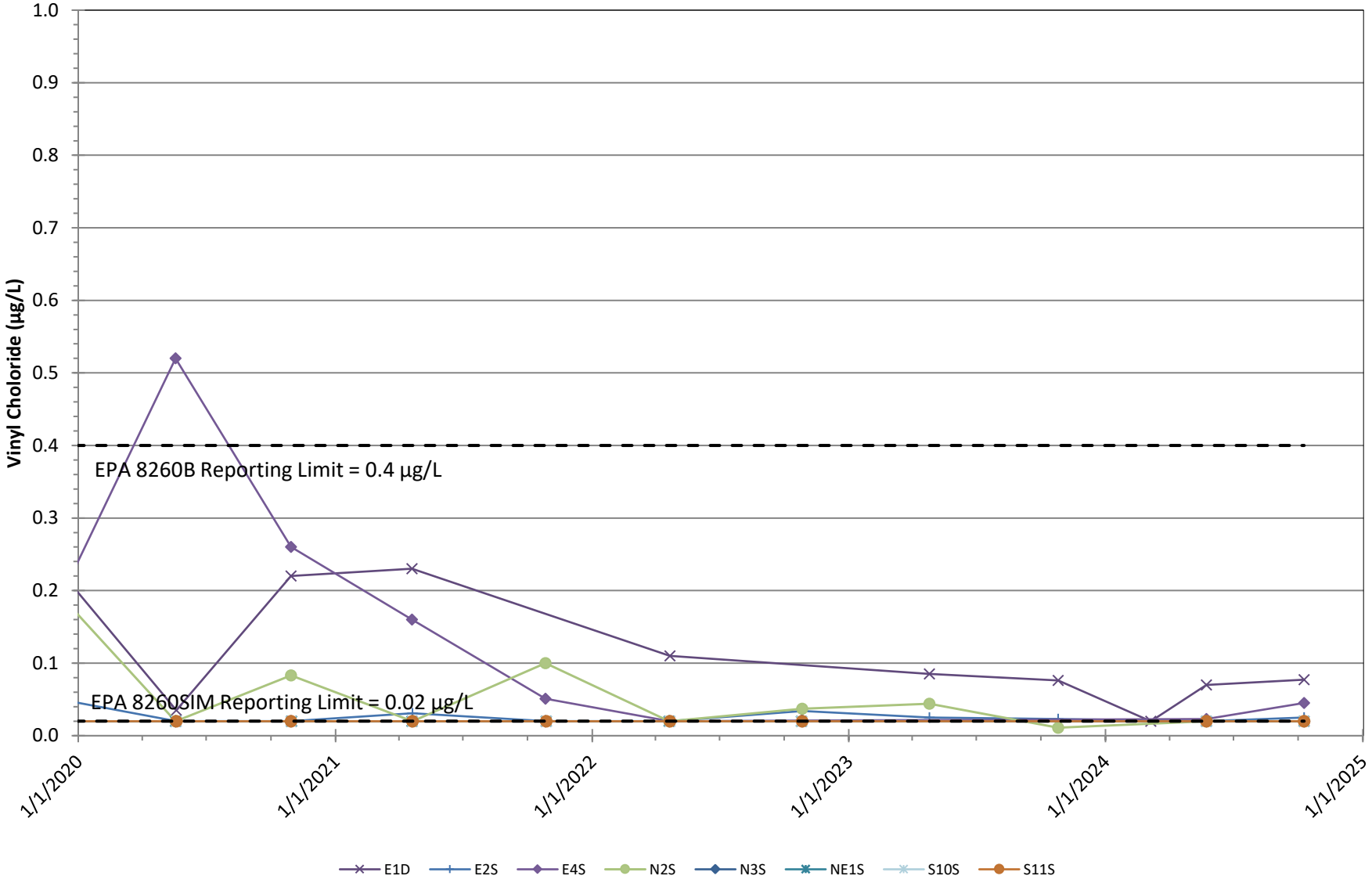


Table C32 - Vinyl ChlorideTime Series - Aquifer 2 (High Range)
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

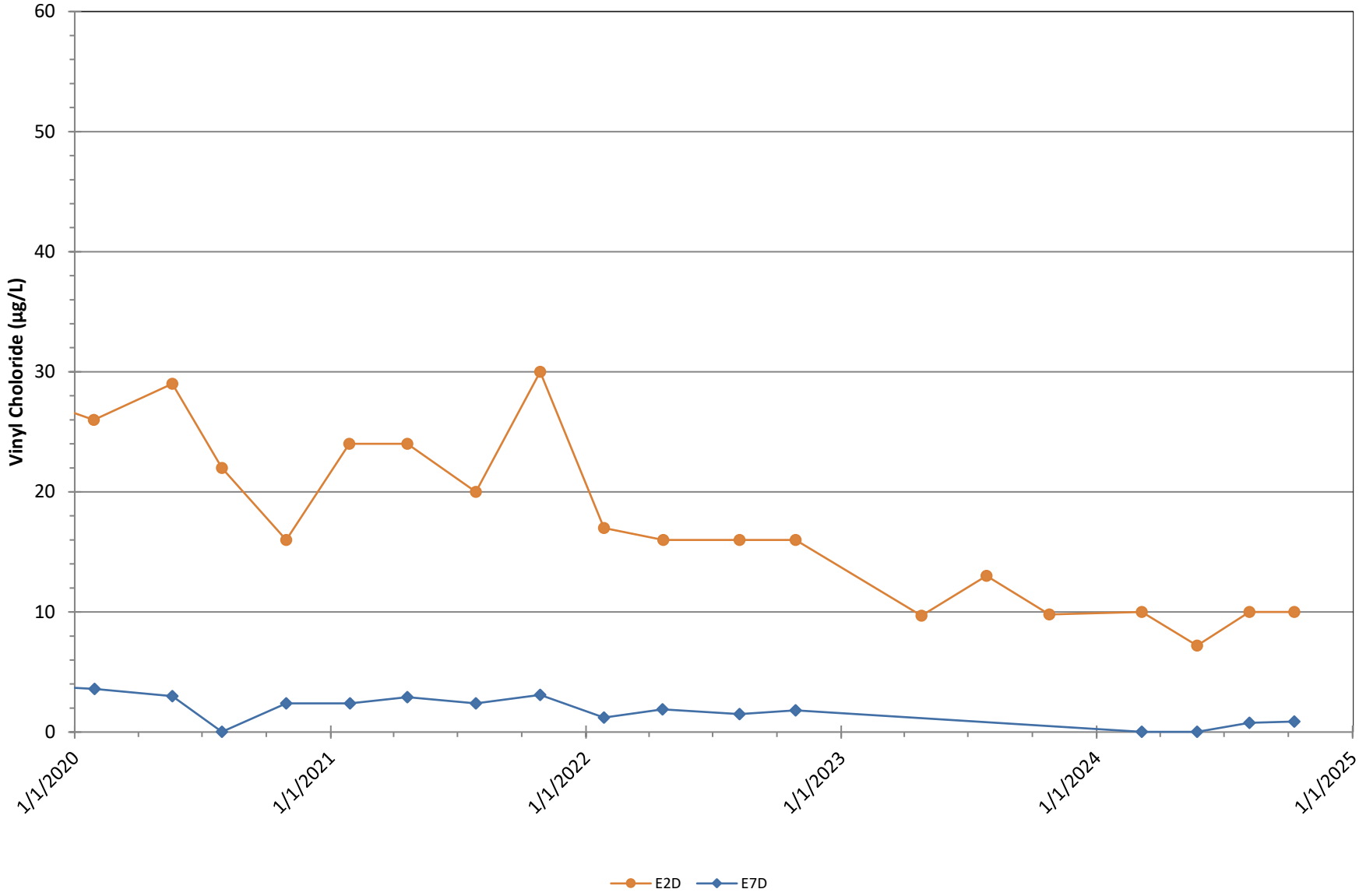


Table C33 - Vinyl ChlorideTime Series - Aquifer 2 (Low Range)
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

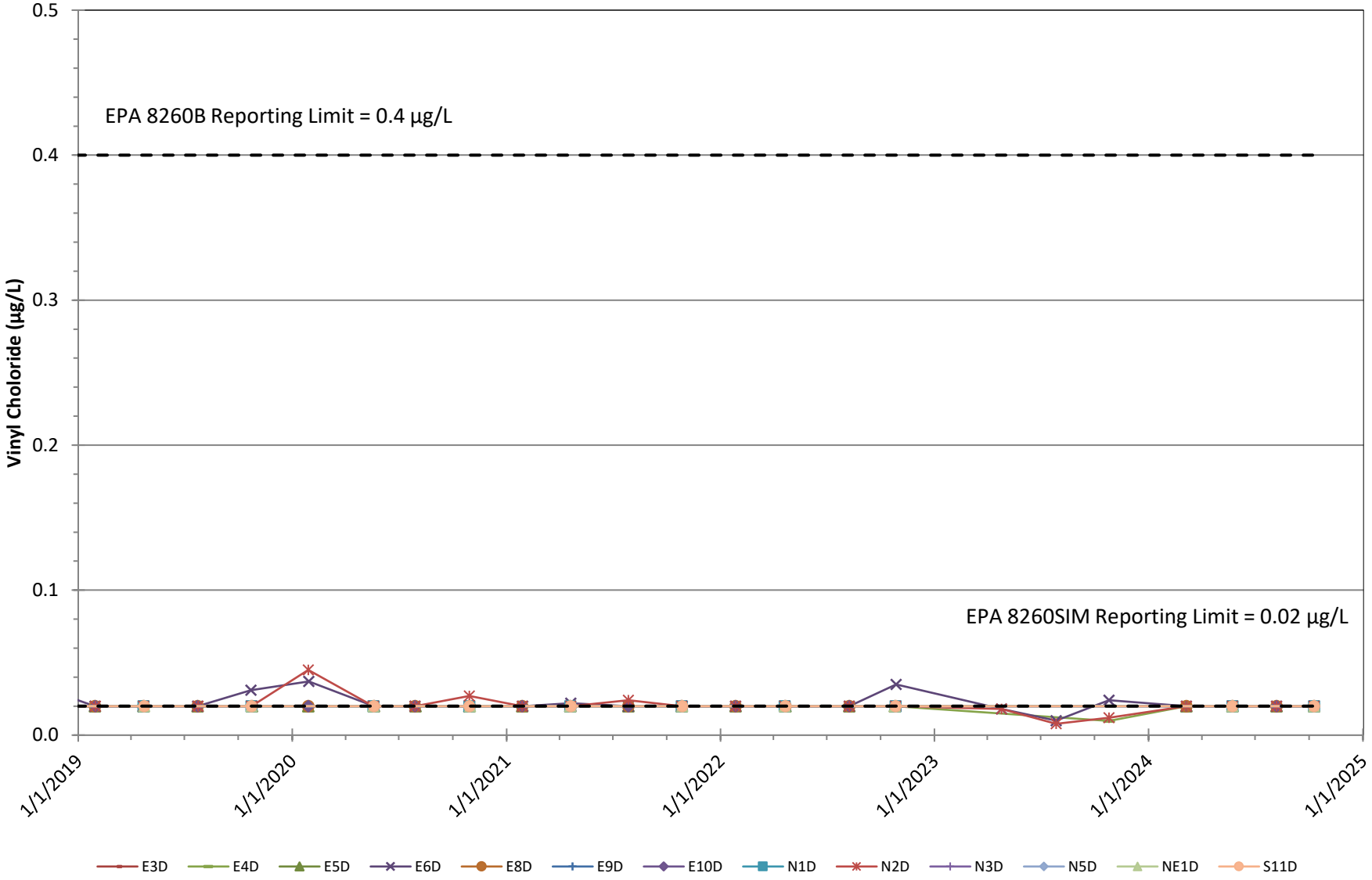
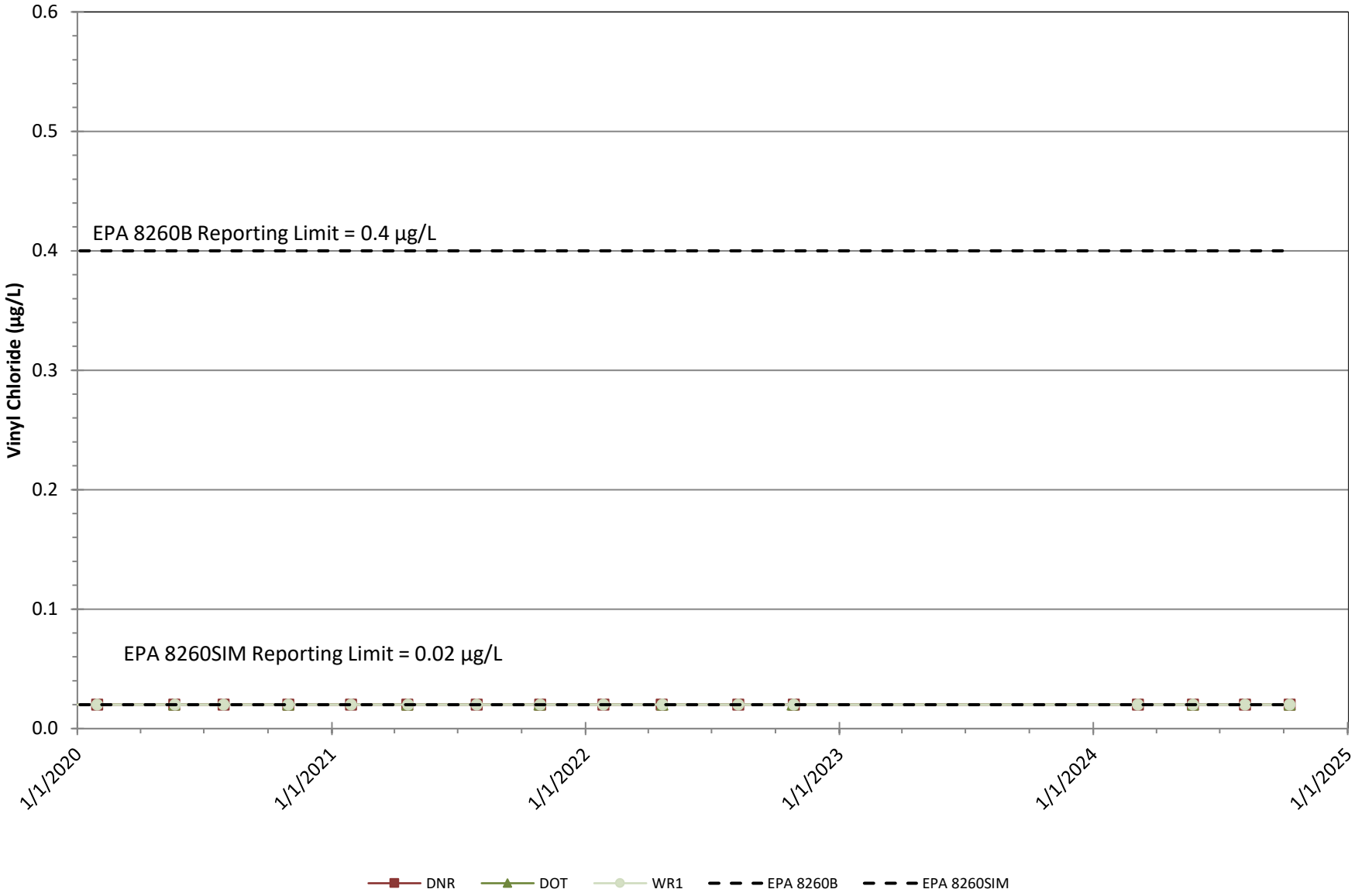


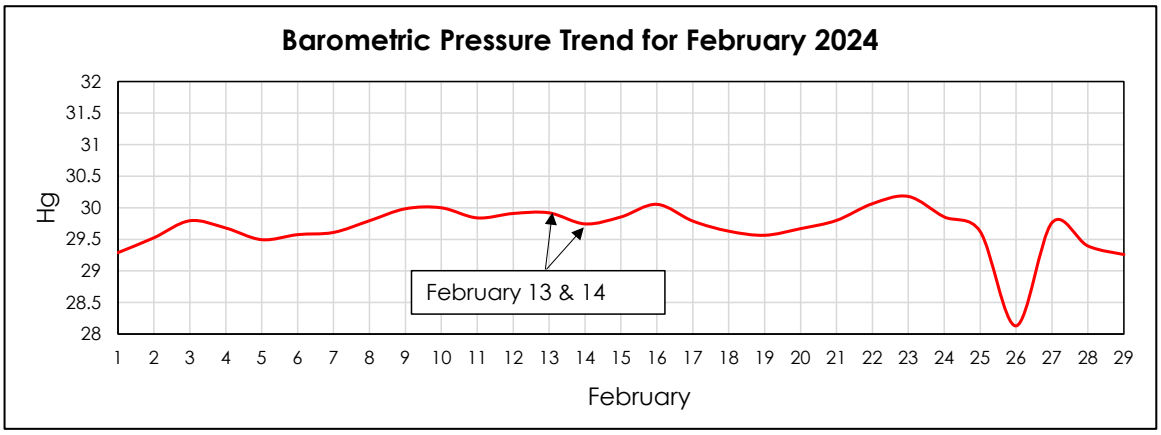
Table C34 - Vinyl ChlorideTime Series - Pumping Wells
2024 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

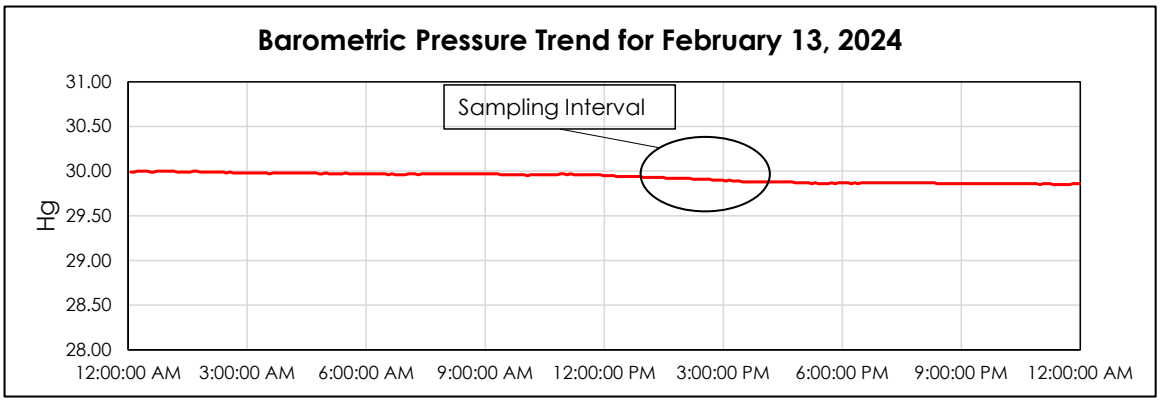


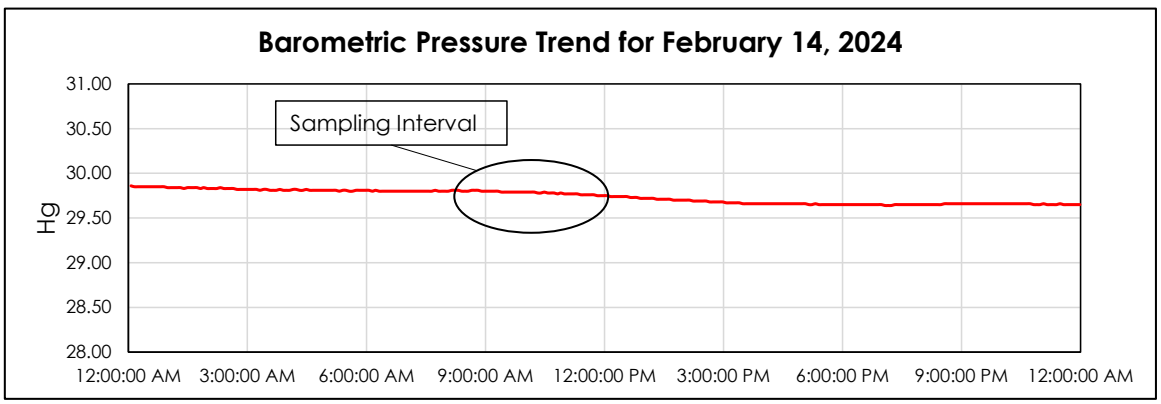
Appendix D

2024 Barometric Pressure Data

Figure D-1. Barometric Pressure Trends - February 2024
First Quarter 2024 Data Review
Coupeville Solid Waste Facility, Island County, Washington



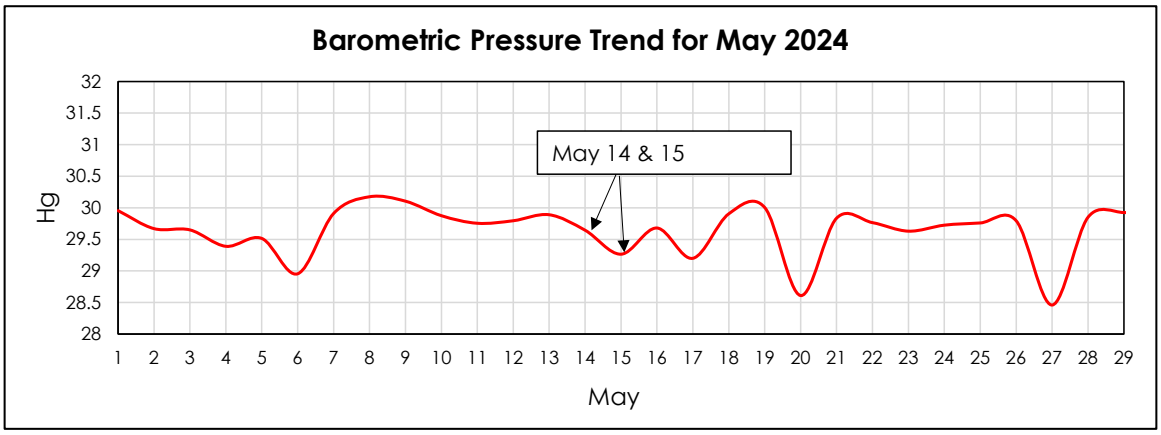


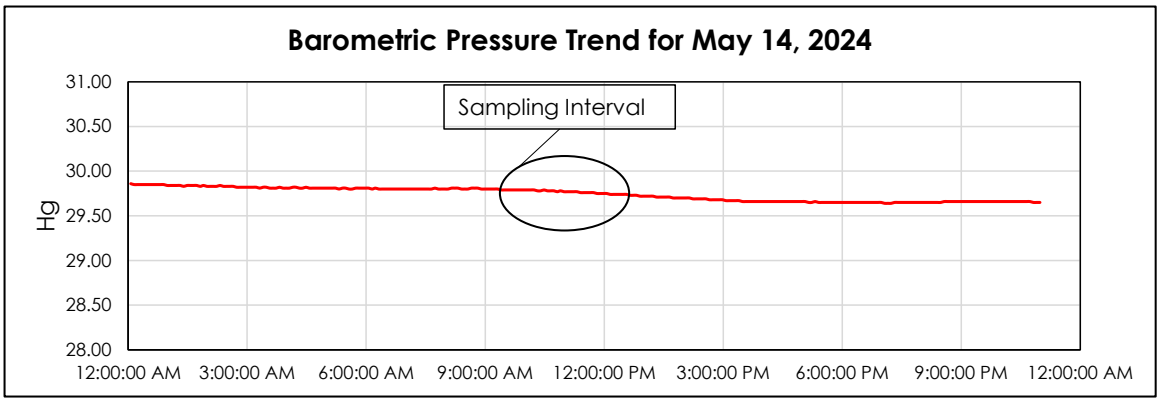


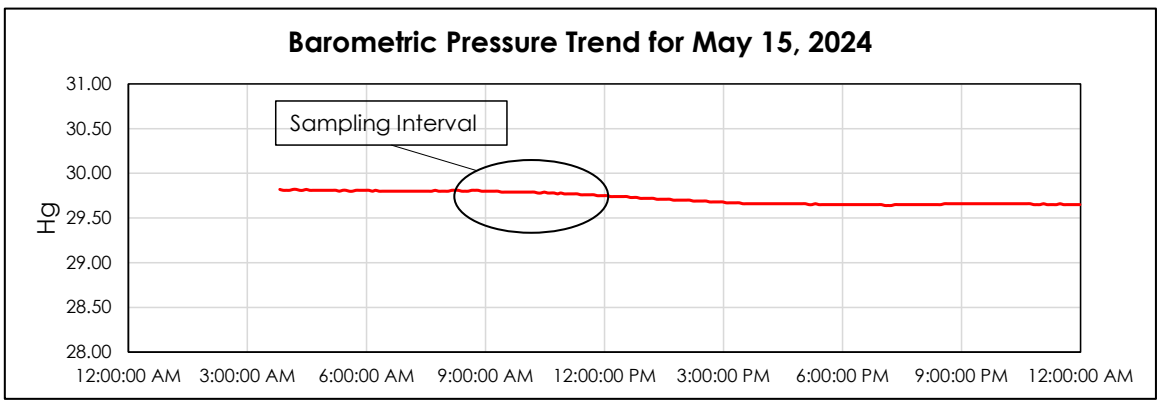
Monthly Data Source: Wunderground.com (Coupeville, WA)
Lat: 48.21 Long: 122.66 Elev: 203 ft-AMSL
Data Source:
https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2023-04-18/2023-04-18/monthly

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/2024-02-13/2024-02-13/daily
https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2024-02-14/2024-02-14/daily

Figure D-2. Barometric Pressure Trends - May 2024
Second Quarter 2024 Data Review
Coupeville Solid Waste Facility, Island County, Washington



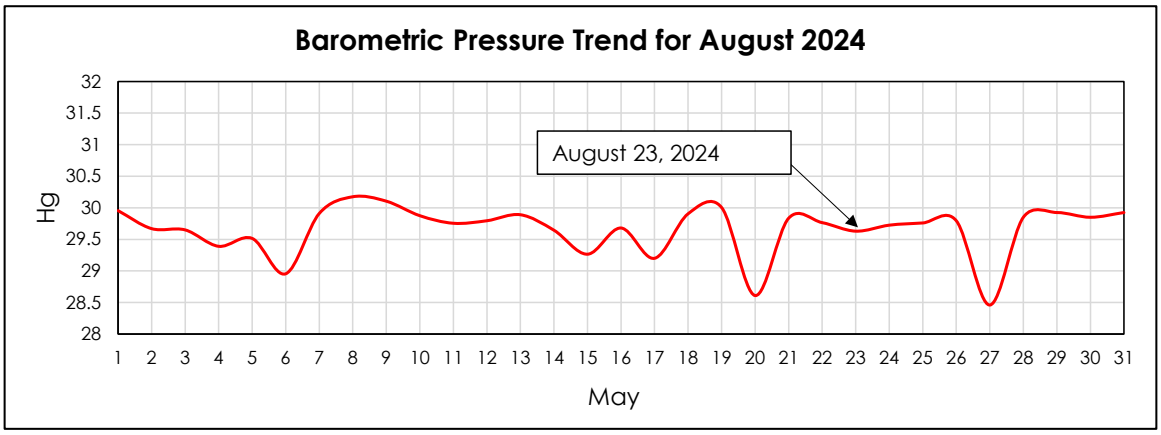


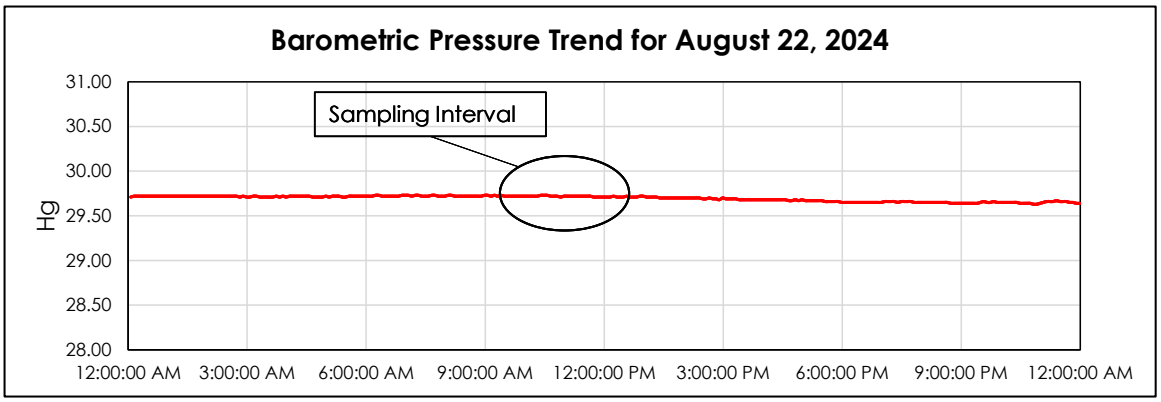


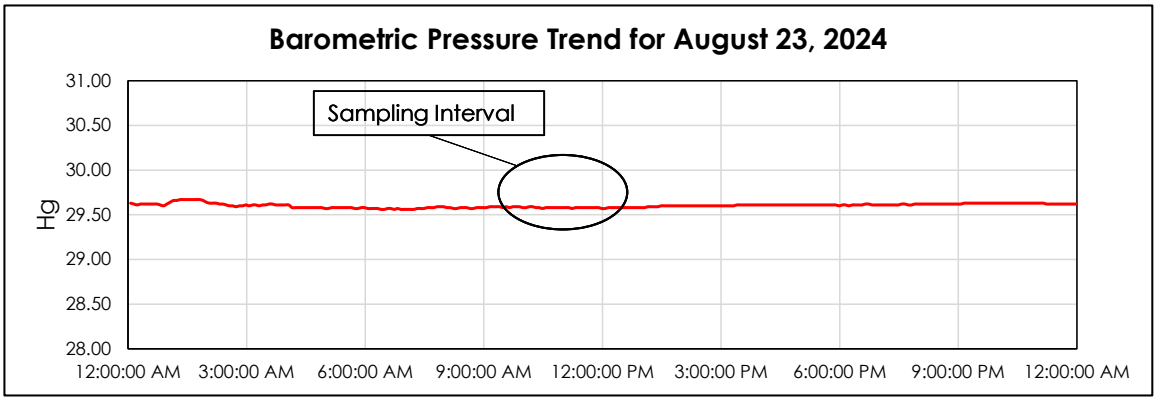
Monthly Data Source: Wunderground.com (Coupeville, WA)
Lat: 48.21 Long: 122.66 Elev: 203 ft-AMSL
Data Source:
https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2023-04-18/2023-05-14/monthly

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/2024-02-13/2024-05-14/daily
https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2024-02-14/2024-05-15/daily

Figure D-3. Barometric Pressure Trends - August 2024
Third Quarter 2024 Data Review
Coupeville Solid Waste Facility, Island County, Washington



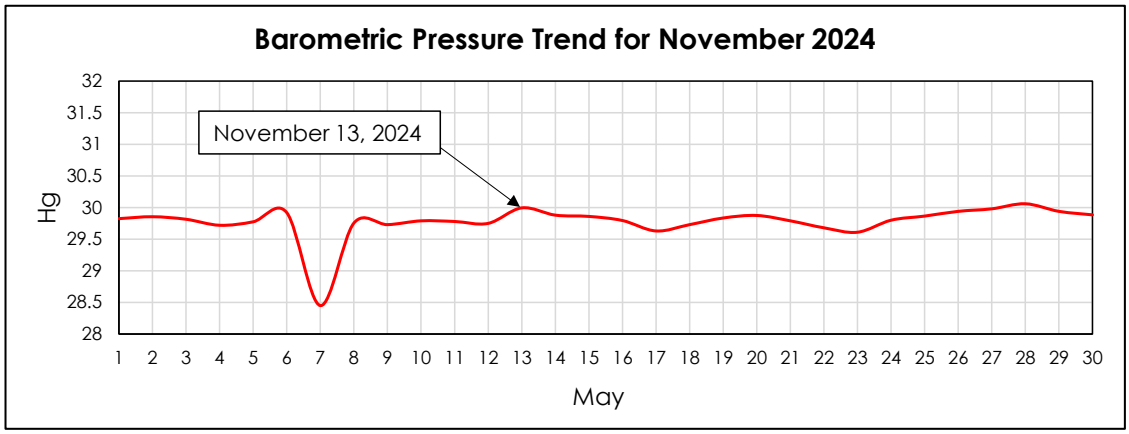


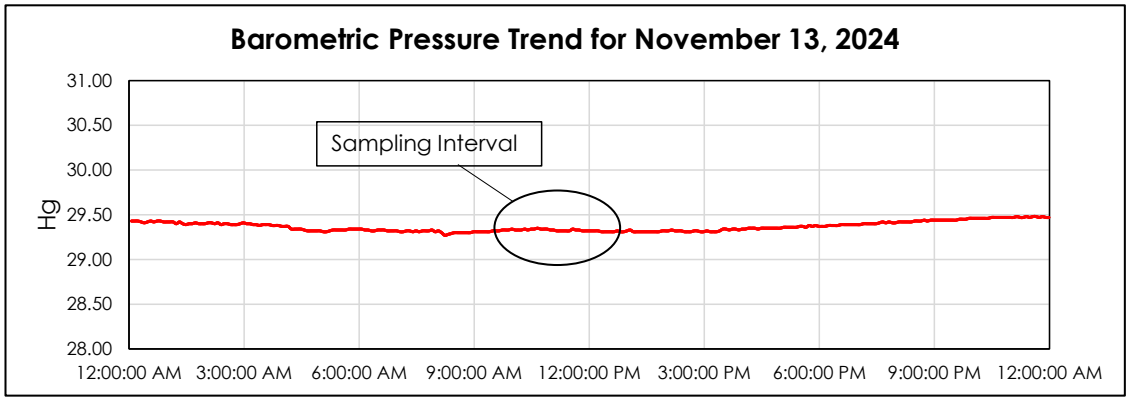


Monthly Data Source: Wunderground.com (Coupeville, WA)
Lat: 48.21 Long: 122.66 Elev: 203 ft-AMSL
Data Source:
https://www.wunderground.com/dashboard/pws/KWACOUPE88/table/2024-08-23/2024-08-23/monthly

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/2024-08-23/2024-08-23/daily

Figure D-4. Barometric Pressure Trends - November 2024
Fourth Quarter 2024 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/KWACOUPE133/table/2024-11-13/2024-11-13/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/KWACOUPE133/table/2024-11-13/2024-11-13/daily