2021 Annual Monitoring Report

Island County Solid Waste Facility
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Coupeville, Washington

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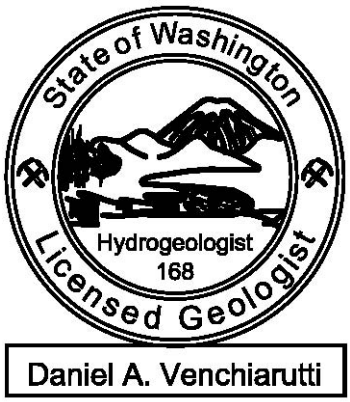

Table of Contents

Section Page

1.0 INTRODUCTION 1
1.1 Report Contents 1
1.2 Summary of Results 2
1.2.1 Groundwater 2
1.2.2 Landfill Gas Probes 3
1.2.3 Contaminant Source Control Operations 3
2.0 BACKGROUND AND SITE DESCRIPTION 5
2.1 Location and Operational History 5
2.2 Topography and Climate 6
2.3 Local and Regional Hydrogeology 6
3.0 GROUNDWATER 7
3.1 Monitoring Activities 8
3.1.1 Water Level Measurements 8
3.1.2 Sample Collection and Analysis 8
3.2 Results 10
3.2.1 Groundwater Elevations 10
3.2.2 Water Quality 10
3.2.2.1 Field Parameters 11
3.2.2.2 General Chemistry 11
3.2.2.3 Metals 13
3.2.2.4 Volatile Organic Compounds 14
3.2.2.5 Groundwater Data QA/QC 16
3.2.3 Groundwater Quality Criteria Comparison 16
3.3 Evaluation of Groundwater Quality 18
3.3.1 Spatial Distribution 18
3.3.2 Temporal Trends 18
3.3.3 Groundwater Geochemistry 19
4.0 LANDFILL GAS 21
4.1 Compliance Monitoring Activities 21
4.1.1 Field Procedures 21
4.2 Results 22
4.2.1 Landfill Gas Probes 22
4.2.2 Structures – Scale House 22
4.3 Landfill Gas Evaluation 22
5.0 CONTAMINANT SOURCE CONTROL MEASURES 24
5.1 Operational Activities 24
5.1.1 Landfill Gas and Soil Vapor Extraction 24
5.1.1.1 Monitoring Activities 24
5.1.2 Stormwater Collection from the Waste Disposal Areas 25
5.2 Results 25

5.2.1 Landfill Gas Collection from In-Refuse and Native Soil Extraction Points 25
5.2.2 Stormwater Collection from the Waste Disposal Areas 25
5.3 Evaluation of Contaminant Source Control Operations 25
5.3.1 Landfill Gas Collection from In-Refuse and Native Soil Extraction Points 25
5.3.2 Stormwater Collection from Waste Disposal Areas 26
6.0 CONCLUSIONS 27

Exhibits

Exhibit 1. CSWF Groundwater Monitoring Well Network (Installation Year) 7
Exhibit 2. CSWF Groundwater Monitoring Schedule 8
Exhibit 3. 2021 Range of Field Parameters 11
Exhibit 4. 2021 Range of General Chemistry Parameters 12
Exhibit 5. 2021 Range of Total Metals Parameters 13
Exhibit 6. 2021 Range of Volatile Organic Compounds 15
Exhibit 7. 2021 Groundwater Exceedances 17
Exhibit 8. Summary of Short-Term (2020-2021) Concentration Trends 19

Figures

Figure 1 Site Location Map
Figure 2 Groundwater Monitoring Well Network
Figure 3 Groundwater Elevation Time Series – Aquifer 1
Figure 4 Groundwater Elevation Time Series – Aquifer 2
Figure 5A Aquifer 1 Groundwater Elevations – April 2021
Figure 5B Aquifer 2 Groundwater Elevations – April 2021
Figure 6A Aquifer 1 Groundwater Elevations – October 2021
Figure 6B Aquifer 2 Groundwater Elevations – October 2021
Figure 7 Landfill Gas Probe Monitoring Network
Figure 8 Landfill Gas Extraction System
Figure 9 Soil Vapor Extraction System
Figure 10 Cross Section of Extraction System and MSW/CDL Landfills
Figure 11 Stormwater Pump Station Removal Volumes
Figure 12 Flow Rates and Removal Volumes for LFG and SVE Systems

Tables

Table 1A Historical Groundwater Elevations – Aquifer 1
Table 1B Historical Groundwater Elevations – Aquifer 2
Table 1C Groundwater Elevations – Two Year Wells
Table 2A Field Parameter, General Chemistry, and Inorganic Results – Aquifer 1
Table 2B Field Parameter, General Chemistry, and Inorganic Results – Aquifer 2
Table 2C Field Parameter, General Chemistry, and Inorganic Results – Water Supply Wells
Table 3A Volatile Organic Compound Results – Aquifer 1
Table 3B Volatile Organic Compound Results – Aquifer 2
Table 3C Volatile Organic Compound Results – Water Supply Wells
Table 4 Volatile Organic Compound Detections in Groundwater
Table 5 Exceedances of WAC 173-200 Criteria and Federal MCLs
Table 6 Short and Long Term Statistics for Select Parameters in Groundwater
Table 7 Landfill Gas Monitoring Data - 2021
Table 8 Source Control Operations Data
Table 9 Soil Gas and Landfill Gas Removal Volumes
Table 10 LFG and SVE System Flow Rates

Appendices

Appendix A 2021 Field Documentation
Appendix B 2021 Analytical Data Validation and Laboratory Reports
Appendix C 2021 Groundwater Geochemical Evaluation
Appendix D 2021 Barometric Pressure Data

1.0 INTRODUCTION

This Annual Report provides a summary of the field and laboratory results for the 2021 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 2021 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, 11 groundwater wells were monitored during the first and third quarters of 2021, 27 groundwater wells were monitored as part of the second quarter 2021 event, and 26 groundwater wells were monitored as part of the fourth quarter 2021 event. One of the routine compliance wells could not be sampled during the fourth quarter event due to a pump failure (E1D). The environmental monitoring and sampling activities during 2021 were performed by SCS Engineers and SCS Field Services.

1.1 REPORT CONTENTS

The 2021 Annual Monitoring Report includes and describes:

- Background and site description (including figures of site location and facility layout).
- A summary of the 2021 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 2021 groundwater elevation/flow direction, field monitoring, and analytical data.
- A summary of the 2021 LFG monitoring results.
- A summary of the contaminant source control operation results.
- A comparison and summary of 2021 analytical data to regulatory criteria.
- A geochemical evaluation of recent (2021) 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 2021.
- 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

The groundwater monitoring results reported for the CSWF over the 2021 compliance year is generally consistent with those previously observed at the site. Water quality within or immediately adjacent to the closed waste disposal areas continues to be influenced by detectable concentrations of several volatile organic compounds (VOCs, primarily vinyl chloride), as well as certain inorganic compounds, general chemistry parameters, and field parameters. However, natural attenuation of the groundwater contamination observed at the CSWF appears to be ongoing, with reduced concentrations of the primary landfill contaminants in monitoring wells situated 400 to 750 feet downgradient of the disposal areas.

Vinyl chloride continues to represent the most notable site contaminant, 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).

During the first quarter, low levels of tetrachloroethylene (PCE) were also reported in the samples collected from E9D (0.72 µg/L) and E10D (1.0 µg/L). The reported concentration at E10D exceeded the WAC 173-200 standard of 0.8 µg/L. Trichloroethylene was also reported in the sample collected from E10D at a concentration of 0.29 µg/L. However, Eurofins reported that these results appear to have been affected by a carryover from previously analyzed samples in the same batch that had elevated VOC detections, which resulted in suspect high bias detections. Given the above laboratory data concerns, as well as the observation that VOCs have not previously been detected in these wells, nor have they been detected following the first quarter event, these suspect VOC results have been flagged as laboratory artifacts. Additional discussion regarding these detections is included in Sections 3.2.2.4 and 3.2.2.5.

Overall, the 2021 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 pH, specific conductivity, sulfate, total dissolved solids, total nitrate/nitrite, arsenic, iron, manganese, 1,1-dichloroethane, and vinyl chloride were exceeded in one or more wells during 2021. The WAC 173-200 groundwater criteria for vinyl chloride was exceeded in four Aquifer 1 monitoring wells (E1D, E2S, E4S and N2S) and four Aquifer 2 wells (E2D, E6D, E7D and N2D) during the reporting period. These results are generally consistent with previous 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). Long term trends 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. However, some exceptions to this overall trend were noted during 2021. Increasing short term trends in concentration were observed for sulfate (in Aquifer 2 well E5D and water supply well DNR) and specific conductivity (in Aquifer 2 wells E5D and E10D). However, as illustrated on the time-series graphs provided in Appendix C, few of these short term increasing trends represent large concentration changes.

Groundwater elevations at the site have been 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 2021 in Aquifer 1 was estimated to be higher (1.24 ft/day) than that calculated for Aquifer 2 (0.113 ft/day).

1.2.2 Landfill Gas Probes

LFG monitoring was conducted at approximately 45-day intervals throughout 2021. 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 previous years, carbon dioxide was the predominant component of LFG detected over the 2021 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 2021 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 21,744 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 2021 and discharged to the infiltration pond west of the disposal areas. Cumulatively, a total of 297,053 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 21, 2021, the LFG extraction system operated an average of 5.41 hours per day and the SVE system operated an average of 9.98 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 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. All the 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 conducted 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. During the fourth quarter monitoring event of 2021, Aquifer 1 well (E1D) could

not be sampled due to a pump malfunction. In 2021, groundwater monitoring was performed by SCS Engineers in January, April, July, and October.

Exhibit 2. CSWF Groundwater Monitoring Schedule

Monitoring Frequency	Groundwater Monitoring Wells		Water Supply Wells
	Aquifer 1 Wells	Aquifer 2 Wells	
Quarterly Event		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 (April) and fourth (October) quarter events, static water levels were measured at all of the water quality monitoring wells sampled. The resulting water table elevation data were used for the semi-annual determination of groundwater flow characteristics.

3.1.2 Sample Collection and Analysis

Groundwater samples were collected each quarter from the monitoring locations depicted on Figure 2. The groundwater monitoring wells were sampled using the low-flow sampling procedure outlined in the SAP/QAP. Each monitoring well is outfitted with a dedicated bladder pump. Purging was completed at flow rates of less than 500 milliliters per min (ml/min) until indicator parameters (pH, temperature, specific conductance, turbidity and dissolved oxygen) stabilized according to the

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

Water supply well samples were collected 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 2021 ranged between 64.02 (NE1S in October) to 85.51 (W1S in April) feet above mean sea level (msl). Aquifer 2 (deep aquifer) groundwater elevations recorded over the same period ranged from 47.93 (E10D in July) to 60.15 (S11D in April) 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 increasing elevation trends remain within a 0.5 to 2.0 foot range depending on well location.

Groundwater surface elevation maps were prepared (refer to Figures 5A/B and 6A/B) for Aquifer 1 and Aquifer 2. These figures display the potentiometric surfaces and groundwater flow directions observed during April and October 2021. Little change was noted in groundwater flow direction over the course of the 2021 compliance period.

The groundwater elevation surface maps for Aquifer 1 (Figures 5A and 6A) depict a generally easterly flow direction. The average hydraulic gradient for Aquifer 1 was generally consistent throughout the reporting year. The calculated gradients for Aquifer 1 during April and October 2021 averaged 0.0141 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 2021 averaged 1.24 feet/day.

The groundwater elevation surface maps for Aquifer 2 (Figures 5B and 6B) depict a flow direction to the north-northeast. Hydraulic gradients calculated for Aquifer 2 during April and October 2021 averaged 0.0040 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 2021 in Aquifer 2 was calculated to be 0.113 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 3,511 gallons of non-potable water (mostly used for road application or fire fighting) had been pumped from this well between October 2020 and October 2021.

3.2.2 Water Quality

Measurement of field parameters and results from laboratory analyses for general chemistry and metals for 2021 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 2021 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 2021 results.

Exhibit 3. 2021 Range of Field Parameters

Field Parameter	Range of Measurements	Notes
Dissolved Oxygen (DO)	0.28 to 7.44 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 1 reported the greatest range in DO, ranging between 0.33 to 7.44 mg/L. Aquifer 2 and the water supply wells reported <5 mg/L DO levels.
Oxidation-Reduction Potential (ORP)	-204.0 to 241.4 mV	ORP values varied widely across the site in Aquifer 1, Aquifer 2 and the water supply wells. Negative ORP levels were more prevalent at downgradient and cross-gradient well locations.
pH	6.42 to 8.38 SU	pH values are similar to past monitoring years with the majority of Aquifer 1, Aquifer 2 and the water supply samples reporting levels between 6.7 to 7.8 standard units (SU).
Specific Conductance (SC)	546 to 2,032 µS/cm	Aquifer 1 and Aquifer 2 wells reported generally similar SC measurements ranging between 897 to 1,993 µS/cm and 546 to 2,032 µS/cm, respectively. Water supply wells reported a narrower SC range between 761 to 911 µS/cm. Higher SC typically occurred in the near refuse wells.
Temperature	8.5 to 16.2 ^{0}C	Varies seasonally at all well locations, and appears to largely represent ambient air temperatures during sample collection.
Turbidity	0.05 to 26.2 NTU	Generally low across the site (0.05 to 10.0). A 14.8 NTU detection was reported for Aquifer 1 well E4S during the April event. The 26.2 NTU detection was reported for Aquifer 1 well E1D and is considered an isolated outlier due to an equipment malfunction.

Field parameters recorded over the 2021 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 2021 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 2021 results.

Exhibit 4. 2021 Range of General Chemistry Parameters

Parameter	Range of Measurements	Notes
Total Alkalinity	190 to 780 mg/L	Total Alkalinity at the CSWF is principally composed of bicarbonate (HCO_3). Aquifer 1 alkalinity ranged from 300 to 780 mg/L, while Aquifer 2 alkalinity ranged from 190 to 780 mg/L. The water supply wells reported a narrower alkalinity range of 290 to 340 mg/L. The highest values are typically observed in E1D, E2D and E7D.
Ammonia	<0.5 mg/L	Ammonia was not detected during the 2021 compliance year.
Calcium	31 to 270 mg/L	A similar range of calcium detections were observed in the Aquifer 1 and Aquifer 2 wells, while the water supply wells reported lower (66 to 85 mg/L) calcium results. Higher concentrations observed in Aquifer 1 (E1D, E2S and E4S) and Aquifer 2 (E2D, E5D and E7D) wells proximal to the waste cells.
Chemical Oxygen Demand (COD)	<10 to 82 mg/L	COD was not detected at any wells at the CSWF in 2021, except for E7D. Aquifer 2 well E7D reported detections ranging from 46 to 82 mg/L.
Chloride	13 to 130 mg/L	A slightly higher range of chloride results were reported in the Aquifer 2 wells compared to the Aquifer 1 and water supply wells. The 250 mg/L groundwater quality criterion for chloride was not exceeded during the 2021 compliance year.
Fluoride	<0.2 to 0.88 mg/L	Low fluoride levels were detected at least once in eight Aquifer 1 wells (0.22 to 0.88 mg/L), 13 Aquifer 2 wells (0.2 to 0.61 mg/l) and three water supply wells (0.20 to 0.71 mg/L).
Magnesium	26 to 120 mg/L	Higher concentrations were generally observed in wells situated near refuse, including Aquifer 1 well E1D and Aquifer 2 wells E2D, E7D, N1D and cross gradient well N5D. The water supply wells reported a smaller range of magnesium detections ranging between 42 to 49 mg/L.
Potassium	5.2 to 16 mg/L	Potassium was detected at low concentrations in the majority of CSWF groundwater samples. Similar ranges were reported in Aquifer 1 (5.7 to 9.6 mg/L) and Aquifer 2 (5.3 to 16 mg/L). Water supply wells reported potassium levels ranging between 5.2 to 6.9 mg/L.
Sodium	15 to 50 mg/L	Sodium levels were consistently low across the CSWF, with Aquifer 1 (19 to 46 mg/L) and Aquifer 2 (15 to 50 mg/L) reporting a similar range of sodium concentrations. Sodium levels in the water supply wells were slightly lower ranging between 24 and 34 mg/L.
Sulfate	14 to 340 mg/L	Higher sulfate concentrations were generally observed in wells situated near refuse, including Aquifer 1 well E1D, as well as Aquifer 2 wells E7D and N1D. Water supply wells reported sulfate concentrations ranging between 24 and 71 mg/L. The 250 mg/L groundwater quality criterion for sulfate was exceeded during all four monitoring events in Aquifer 2 well E7D (ranging from 270 to 340 mg/L).

Total Dissolved Solids (TDS)	120 to 1,400 mg/L	Total dissolved solids (TDS) was reported at concentrations ranging between 120 (E9D in October) and 1,400 mg/L (E7D in October) over the compliance year. Aquifer 1 and Aquifer 2 wells reported TDS ranges of 480 to 940 mg/L and 120 to 1,400 mg/L, respectfully. Water supply wells reported lower TDS concentrations, ranging between 310 and 500 mg/L.
Nitrate/Nitrite	<0.4 to 25 mg/L	Aquifer 1 reported the greatest range of nitrate/nitrite detections, ranging from 5.3 to 25 mg/L. As noted in previous years, this parameter was most elevated in S10S (25 mg/L in October), but routinely exceeded 5 mg/L in six of the remaining Aquifer 1 wells. The 10 mg/L groundwater quality criterion was only exceeded in Aquifer 1 wells S10S and E1S over the reporting year. However, since S10S and E1S are situated generally cross gradient from the landfill, the latter nitrate/nitrite detections are suspected to be related to non-landfill sources.
Total Organic Carbon (TOC)	<1.0 to 26 mg/L	TOC ranged <1.0 to 2.4 mg/L in the Aquifer 1 wells, <1.0 to 26 mg/L in the Aquifer 2 wells, and 1.2 to 3.6 mg/L in the water supply wells. The highest TOC results are typically observed in Aquifer 2 well E7D.

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 2021 reporting year are summarized below. A total of 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 seven 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 2021 results.

Exhibit 5. 2021 Range of Total Metals Parameters

Total Metal	Range of Measurements	Notes
Arsenic	0.0010 to 0.022 mg/L	Aquifer 1 arsenic concentrations varied from 0.0010 to 0.0062 mg/L. Aquifer 2 arsenic levels ranged between 0.0015 and 0.022 mg/L. The water supply wells reported arsenic concentrations ranging between 0.0030 and 0.0063 mg/L. The highest arsenic results were routinely observed at Aquifer 2 well E9D.
Barium	0.017 to 0.10 mg/L	Low concentrations observed in most site wells. Aquifer 1 and water supply wells reported a similar range of barium concentrations (0.027 to 0.052 mg/L and 0.019 to 0.029 mg/L, respectfully). Aquifer 2 reported slightly higher barium levels ranging between 0.017 and 0.10 mg/L. No site-wide or seasonal trends are observed.
Chromium	<0.0008 to 0.024 mg/L	Aquifer 1 chromium detections ranged between 0.0014 and 0.021 mg/L. Chromium detections in Aquifer 2 wells varied between 0.0008 and 0.024 mg/L. The water supply wells reported chromium detections ranging from 0.0015 to 0.0031 mg/L.
Cobalt	<0.0004 to 0.0030 mg/L	Cobalt was reported in two Aquifer 1 wells (E1D and E2S) and three Aquifer 2 wells (E4D, E7D and N2D) at concentrations ranging from 0.00066 to 0.00098 mg/L and 0.00041 to 0.003 mg/L, respectively. The

		highest concentrations are routinely observed at Aquifer 2 well E7D. Cobalt was not detected in any of the water supply wells.
Copper	<0.002 to 0.04 mg/L	Copper was reported in two Aquifer 1 wells (E4S and NE1S) and four Aquifer 2 wells (E4D, E7D, E9D and N2D) at concentrations ranging from 0.0021 to 0.0035 mg/L and 0.0026 to 0.0042 mg/L, respectively. Copper was also detected in water supply wells DNR and WR1 during each of the four quarters at concentrations ranging from 0.0026 to 0.040 mg/L.
Iron	<0.30 to 2.0 mg/L	Iron was reported in excess of the 0.3 mg/L groundwater quality criterion at least once in four Aquifer 2 wells (E5D, E6D, E8D and E10D) and one water supply well (DOT) during the compliance year. Iron was not detected in any of the Aquifer 1 wells.
Manganese	<0.02 to 0.79 mg/L	Aquifer 1 wells reported manganese detections varying between 0.052 and 0.50 mg/L. Aquifer 2 manganese detections ranged from 0.025 to 0.79 mg/L. Water supply well DOT reported a manganese concentration of 0.16 mg/L during the April and October events. The highest manganese levels were reported in Aquifer 2 well E7D.
Nickel	<0.003 to 0.032 mg/L	Nickel detections in the Aquifer 1 wells varied between 0.0032 to 0.015 mg/L. Aquifer 2 nickel detections showed the greatest variation, ranging between 0.003 to 0.032 mg/L. Nickel was not detected in any of the water supply wells over the reporting year.
Vanadium	<0.004 to 0.018 mg/L	Vanadium was detected at low concentrations in six Aquifer 1 wells at concentrations ranging between 0.0040 and 0.0065 mg/L. Sporadic vanadium detections ranging from 0.0055 to 0.018 mg/L were observed in two Aquifer 2 wells. Water supply well DNR reported vanadium at concentrations ranging between 0.0062 and 0.0065 mg/L.
Zinc	<0.007 to 0.17 mg/L	Zinc was reported in one Aquifer 2 well during the compliance year: E7D (0.011 mg/L) in January. Zinc was not reported in any of the Aquifer 1 wells. All of the water supply wells reported zinc detections ranging between 0.0075 to 0.17 mg/L. The highest zinc result was reported at water supply well DOT (0.17 mg/L) during the second and fourth quarters.

The total metals results observed at the CSWF during 2021 compliance period 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 2021 in the routinely monitored groundwater wells. Eight VOCs were detected in groundwater samples collected from the CSWF monitoring wells during compliance year. 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 2021 results.

Exhibit 6. 2021 Range of Volatile Organic Compounds

Field Parameter	Range of Measurements	Notes
1,1,1–Trichloroethane	0.33 to 0.73 µg/L	1,1,1-Trichloroethane was detected in two Aquifer 1 wells (N2S and S10S at concentrations ranging between 0.33 and 0.39 µg/L) and two Aquifer 2 wells (E2D and E7D at concentrations ranging between 0.42 and 0.73 µg/L).
1,1-Dichloroethane	<0.20 to 3.5 µg/L	1,1-Dichloroethane was detected in two monitoring wells during the reporting year (Aquifer 1 well N2S at concentrations ranging between 0.35 and 0.36 µg/L and Aquifer 2 well E7D at concentrations ranging between 3.0 and 3.5 µg/L).
1,1-Dichloroethylene	<0.20 to 0.51 µg/L	1,1-Dichloroethylene was detected in Aquifer 2 well E7D two times at concentrations ranging from 0.20 to 0.51 µg/L
Chloroform	0.33 µg/L	Single isolated detection reported in water supply well WR1 during the July event.
Tetrachloroethylene	<0.5 to 1.0 ug/L	Two isolated detections reported in Aquifer 2 wells E9D (0.72 µg/L) and E10D (1.0 µg/L) during the January event. See further discussion regarding these suspect detections below.
Trichloroethylene	0.29 µg/L	Single isolated detection reported in Aquifer 2 well E10D (0.29 µg/L) during the January event. See further discussion regarding this suspect detection below.
Trichlorofluoromethane	<0.5 to 120 µg/L	Trichlorofluoromethane was detected at seven CSWF locations during 2021, including four Aquifer 1 wells (E2S, N2S, N3S, and S10S) and three Aquifer 2 wells (E2D, E7D and N2D). Aquifer 1 concentrations ranged between 1.0 and 6.5 µg/L, while Aquifer 2 levels ranged between 0.61 and 120 µg/L. The most elevated trichlorofluoromethane levels occurred in downgradient well E7D (ranging from 88 to 120 µg/L).
Vinyl Chloride	<0.02 to 30 µg/L	Vinyl chloride was detected at least once in four Aquifer 1 wells (E1D, E2S, E4S and N2S) and five Aquifer 2 wells (E2D, E4D, E6D, E7D and N2D) over the reporting period. The majority of these wells are located within or immediately adjacent to the disposal areas. The most elevated vinyl chloride levels were detected in wells E2D (ranging from 20 to 30 µg/L) and E7D (ranging from 2.4 to 3.1 µg/L).

The remaining Aquifer 1 or Aquifer 2 monitoring wells downgradient of the former disposal areas did not report any VOC detections during the 2021 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. The two downgradient Aquifer 2 "sentinel wells" (E9D and E10D), situated near the downgradient facility border, did report several anomalous VOC detections during the 2021 compliance period. However, each of these detections were flagged by the lab as laboratory artifacts. Additional detailed discussion regarding these flagged VOC detections is included in Section 3.2.2.5. With the exception of the single chloroform detection reported in water supply well WR1 in July, no other VOCs were detected in any of the water supply wells during the reporting period. Following the WR1 chloroform detection in July, no VOCs were reported in the sample obtained from this location in October. Therefore, the reported concentration of 0.33 µg/L in July appears to be an isolated detection.

3.2.2.5 Groundwater Data QA/QC

All analytical data reported by the primary testing laboratory (Eurofins Fife, WA) over the 2021 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. Anomalies that were noted during 2021 include:

- The first quarter EPA 8260 analysis reported detections of PCE at E9D (0.72 µg/L) and E10D (1.0 µg/L) and TCE at E10D (0.29 µg/L). However, the laboratory flagged these results as likely being impacted by VOC carry-over from a previously analyzed sample with elevated VOC detections. The samples with elevated VOCs were analyzed in the same equipment run as the E9D and E10D samples. These anomalous VOC results have been included in this report for completeness, but are considered laboratory artifacts and will be excluded from the project database.
- During the second quarter, Eurofins reported that an electrical issue in one of the laboratory sample storage refrigerators resulted in nine primary second quarter samples and one trip blank being at temperatures in excess of 6 °C for a period of 24 hours. The laboratory indicated that re-analysis samples for bromoform, chloromethane, trans-1,4-dichloro-2-butene and trichlorofluoromethane were affected in these samples. In addition, re-analysis samples for trichloroethylene were affected in two of the above samples. The affected results have been identified with data qualifiers. No other notable data quality issues were identified in the majority of the parameter suites for the second quarter analytical data set.

Data flags have been appended to the 2021 testing results as appropriate. Baring the above noted anomalies, the 2021 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 groundwaters 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 2021 reporting year can be found on Table 5. Water quality criteria for ten analytes were exceeded during the compliance period as shown below in Exhibit 7.

Exhibit 7. 2021 Groundwater Exceedances

Parameter	WAC 173-200 Groundwater Standard	Notes
pH	6.5 - 8.5	The first quarter pH result at E7D (6.42) was below the lower threshold of the WAC 173-200 and secondary drinking water standards.
Specific Conductance	700 µS/cm*	The WAC 173-200 and secondary drinking water standards for specific conductance were exceeded in 9 Aquifer 1 wells, 11 Aquifer 2 wells and all three water supply wells.
Sulfate	250 mg/L	The WAC 173-200 and secondary drinking water standards for sulfate were exceeded during all four quarters 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 in seven Aquifer 1 wells and eight Aquifer 2 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 twice each in Aquifer 1 wells E1S and S10S. Given the generally cross-gradient locations of these wells, these nitrate exceedances do not appear to be directly attributable to the CSWF waste disposal cells.
Arsenic	0.00005 mg/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 MCL of 0.01 mg/L was also exceeded in each of the samples collected from Aquifer 2 wells E4D and 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, this detection does not appear to be related to the landfill.
Iron	0.3 mg/L*	The WAC 173-200 and secondary drinking water standards for iron were exceeded at least once in four Aquifer 2 wells (E5D, E6D, E8D and E10D) and water supply well DOT. 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	0.05 mg/L*	The WAC 173-200 and secondary drinking water standards for manganese were exceeded in fifteen wells, including three Aquifer 1 wells, eleven Aquifer 2 wells, and water supply well DOT.
1,1-Dichloroethane	1.0 µg/L	The WAC 173-200 standard for 1,1-dichloroethane was exceeded in Aquifer 2 well E7D for each 2021 monitoring event.
Vinyl Chloride	0.02 µg/L	The WAC 173-200 groundwater criterion for vinyl chloride was exceeded at least once in eight CSWF wells, including: four Aquifer 1 wells (E1D, E2S, E4S and N2S) and four Aquifer 2 wells (E2D, E6D, E7D and N2D). Concentrations in Aquifer 2 wells E2D and E7D also exceeded the primary MCL of 2 µg/L. Vinyl chloride was not detected in any of the water supply wells during 2021.

* Secondary MCL for this parameter is equal to the WAC 173-200 standard.
** Primary MCL for arsenic is 0.01 mg/L.

Tetrachloroethylene was also reported in excess of its 0.8 µg/L WAC 173-200 groundwater standard in Aquifer 2 well E10D during the January event. However, as noted in Section 3.2.2.5, the detection is suspected to represent laboratory artifacts related to equipment VOC carry-over from an unrelated analytical batch.

Groundwater quality exceedances observed at CSWF during 2021 compliance period remain generally similar in 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 2021 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
- 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. These trends remain similar to those reported during previous compliance years, and are overall indicative of stable groundwater conditions.

Exhibit 8. Summary of Short-Term (2020-2021) Concentration Trends

Parameter	Aquifer Type	Wells with Increasing Trends	Wells with Decreasing Trends
Specific Conductance	1	None	None
	2	E5D, E10D	None
	WS	None	None
Nitrate/Nitrite, total	1	None	None
	2	None	None
	WS	None	None
Sulfate	1	None	None
	2	E5D	None
	WS	DNR	None
TDS	1	None	None
	2	None	None
	WS	None	None
Arsenic	1	None	None
	2	None	None
	WS	None	None
Iron	1	None	None
	2	None	E10D
	WS	None	None
Manganese	1	None	None
	2	None	None
	WS	None	None
Vinyl chloride (not detected in WS wells)	1	None	None
	2	None	None

These short-term (2 year) trends are also discernable in the 5-year time (2017-2021) series diagrams (C1 through C34) attached to Appendix C. As illustrated by these time-series charts, few of the observed short term increasing trends show significant concentration changes.

3.3.3 Groundwater Geochemistry

The geochemical character of groundwater collected from Aquifer 1, Aquifer 2 and the water supply wells during the 2021 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 observed at the CSWF during the 2021 compliance period typically reported relative percent differences (RPD) less than (+/-) ten percent. Positive values indicate that the sum of the cations is greater than the sum of the anions. For the current reporting period, only one groundwater well location (S10S) reported an RPD outside (+/-) ten percent. Well S10S reported a RPD of 12.05 percent in October.

A larger positive RPDs calculated for this well appears to be related to comparatively elevated calcium and magnesium levels, and relatively lower anions levels (primarily chloride and nitrate) in the water sample obtained from this location. Ion balances outside a ten percent RPD threshold may be due to possible errors associated with analytical limitations in the measurements (as previously discussed) 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 2021.

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 2021 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 2021 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 concentrations (>0.3 percent by volume) were recorded in one LFG probe location (GP-30) during 2021. The GP-30 location consist 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 in these probes ranged widely, from 0.3 to 52.7 percent by volume in 2021.

Carbon dioxide was reported during 2021 in all LFG probes, ranging from less than 0.1 to 19.6 percent by volume. Depressed oxygen concentrations were recorded during the reporting period in all of the LFG probes at values ranging between 0.0 and 20.0 percent by volume. Eight subsurface probes (GP-1D, GP-1S, GP-2378, GP-2498, GP-2598, GP-6D, GP-S6S and GP-W1) reported oxygen concentrations above 20.3 during 2021, with most probes only reporting a single elevated measurement. Representative relative (static) pressure measured in the perimeter LFG probes during 2021 ranged from -0.85 to +1.00 inches of water.

4.2.2 Structures – Scale House

Methane was not detected in the scale house/office during the 2021 monitoring events. Carbon dioxide was detected above 0.3 percent by volume (between 0.4 and 1.6 percent by volume) at the scale house during each event in 2021 and at the office during the second and third quarter monitoring events. Indoor oxygen measurements were observed to range between 20.2 and 20.8 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 2021 monitoring results confirm that LFG (combined methane and carbon dioxide) remains present in the subsurface soils surrounding the historical disposal areas at relatively low and declining concentrations. Due to the age of waste, very low LFG production, and the method of LFG movement within the surrounding geologic formation (sandy/gravelly soils), methane is generally not observed at the compliance monitoring locations.

5.0 CONTAMINANT SOURCE CONTROL MEASURES

Contaminant source control systems operating at the CSWF include stormwater collection from the waste disposal areas, LFG extraction from the waste mass, and soil vapor extraction in the vadose soils beneath the landfill. The systems operated normally throughout 2021.

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 through December 21, 2021, the LFG extraction system operated an average of 5.41 hours per day and the SVE system operated an average of 9.98 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 2021.

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 31,345 hours between November 22, 2005 and December 21, 2021. Over this time the system has extracted an estimated 87,263,036 cubic feet of LFG from the refuse mass. The rate of extraction was initially at 120 standard cubic feet per minute (scfm), but has declined to an average of approximately 43.3 scfm during 2021, as extraction rates have converged with gas generation rates. The LFG composition at the blower inlet averaged 41.9 percent methane, 17.7 percent carbon dioxide, and 0.4 percent oxygen during 2021.

The SVE system operated under a daily intermittent cycle for a total 57,853 hours from November 22, 2005 through December 21, 2021. During this time it has extracted an estimated 153,158,641 cubic feet of soil vapor/LFG from the native soil below the disposal areas. The rate of extraction was approximately 61.4 scfm during 2021. The soil vapor/LFG composition at the blower inlet averaged 3.1 percent methane, 13.7 percent carbon dioxide, and 3.3 percent oxygen in 2021.

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 21, 2021, a total of 297,053 gallons of stormwater were pumped from the collection system sump and discharged to the infiltration pond west of the disposal areas. A total of 21,744 gallons of stormwater were pumped through the collection system during the 2021 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 (87,263,036 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 41.9 percent methane, 17.7 percent carbon dioxide, and 0.4 percent oxygen during 2021.

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 (153,158,641 cubic feet).
- The gas composition at the SVE blower inlet averaged 3.1 percent methane, 13.7 percent carbon dioxide, and 3.3 percent oxygen in 2021.

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 21,744 gallons of stormwater was removed during the 2021 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 2021 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 wells E2D and E7D, both of which are 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 is 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 2021 remained stable or were slightly lower in most of the groundwater monitoring wells reporting detections. Overall, the 2021 results confirm that the continuation of the optimized groundwater monitoring program is warranted.

LFG monitoring results through 2021 continue to document the positive effects of removal of landfill gases from the vadose zone. Based on the estimated volume of LFG in the vadose zone and number of unaffected gas probes, continued operation of the LFG and SVE systems is recommended to remove gases from the vadose zone and achieve a balanced extraction rate for the LFG wells. Current levels of operating, monitoring and system balancing will need to be maintained to ensure the optimum performance of both the LFG and SVE systems, while preventing potential detrimental conditions such as air intrusion and pulling of LFG into the vadose zone.

Tables

Table 1A. Five Year Historical Groundwater Elevations - Aquifer 1
2021 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
Q421	137.10	66.88	137.15	67.11	136.95	65.77	140.32	64.72	134.90	68.93	139.00	65.87	144.00	64.02	135.30	70.35	133.67	71.32	109.80	85.35
Q221	137.10	66.88	137.08	67.18	136.45	66.27	140.22	64.82	135.15	68.68	138.90	65.97	143.65	64.37	134.70	70.95	133.44	71.55	109.64	85.51
Q420	136.75	67.23	137.03	67.23	136.61	66.11	140.41	64.63	134.92	68.91	138.57	66.30	143.85	64.17	134.94	70.71	133.69	71.30	109.75	85.40
Q220	136.80	67.18	137.05	67.21	136.63	66.09	140.27	64.77	134.90	68.93	138.75	66.12	143.61	64.41	138.77	66.88	133.58	71.41	109.71	85.44
Q419	136.99	66.99	137.28	66.98	136.74	65.98	140.74	64.30	135.53	68.30	139.03	65.84	144.06	63.96	135.27	70.38	133.79	71.20	109.77	85.38
Q219	137.11	66.87	137.35	66.91	136.81	65.91	140.41	64.63	135.74	68.09	138.59	66.28	143.81	64.21	135.12	70.53	133.89	71.10	109.74	85.41
Q418	137.41	66.57	137.58	66.68	137.47	65.25	140.57	64.47	135.36	68.47	139.23	65.64	143.92	64.10	135.31	70.34	134.03	70.96	109.65	85.5
Q218	137.47	66.51	137.80	66.46	137.48	65.24	140.93	64.11	135.92	67.91	139.78	65.09	144.11	63.91	135.38	70.27	134.24	70.75	109.70	85.45
Q417	137.65	66.33	137.78	66.48	137.53	65.19	141.02	64.02	135.94	67.89	139.90	64.97	144.46	63.56	135.70	69.95	134.52	70.47	109.71	85.44
Q317	137.61	66.37	137.92	66.34	137.39	65.33	140.87	64.17	136.03	67.80	139.38	65.49	144.16	63.86	135.70	69.95	134.41	70.58	109.73	85.42
Q217	137.78	66.20	137.91	66.35	137.44	65.28	140.85	64.19	136.11	67.72	139.48	65.39	--	--	135.73	69.92	134.59	70.40	109.70	85.45
Q117	137.96	66.02	138.26	66.00	137.69	65.03	141.33	63.71	137.21	66.62	140.05	64.82	144.44	63.58	136.00	69.65	134.82	70.17	109.72	85.43

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
2021 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
4Q21	146.90	55.62	149.50	54.63	151.90	53.50	143.59	54.97	146.80	56.17	144.80	55.70	147.28	55.85	160.22	49.53	161.65	48.36	134.80	56.71	146.60	56.88	148.80	55.59	148.30	56.54	156.76	51.06	144.97	60.10
3Q21	146.60	55.92	--	--	152.09	53.31	143.82	54.74	146.66	56.31	144.50	56.00	147.46	55.67	160.70	49.05	162.08	47.93	--	--	146.65	56.83	--	--	--	--	--	--	--	--
2Q21	146.62	55.90	149.50	54.63	151.97	53.43	143.73	54.83	147.00	55.97	144.55	55.95	147.43	55.70	160.28	49.47	161.71	48.30	134.80	56.71	146.80	56.68	148.83	55.56	148.07	56.77	156.65	51.17	144.92	60.15
1Q21	146.68	55.84	--	--	151.96	53.44	143.67	54.89	146.72	56.25	144.63	55.87	147.37	55.76	160.20	49.55	161.64	48.37	--	--	146.76	56.72	--	--	--	--	--	--	--	--
Q420	146.70	55.82	149.57	54.56	152.24	53.16	143.87	54.69	146.75	56.22	143.41	57.09	147.61	55.52	160.54	49.21	161.84	48.17	134.92	56.59	146.79	56.69	148.90	55.49	148.28	56.56	156.72	51.10	145.33	59.74
Q320	146.79	55.73	--	--	152.12	53.28	143.94	54.62	146.82	56.15	144.72	55.78	147.61	55.52	160.50	49.25	161.95	48.06	--	--	146.85	56.63	--	--	--	--	--	--	--	--
Q220	146.82	55.70	149.44	54.69	153.12	52.28	143.85	54.71	146.90	56.07	144.83	55.67	147.71	55.42	160.76	48.99	162.10	47.91	134.96	56.55	146.82	56.66	149.05	55.34	148.40	56.44	156.70	51.12	145.19	59.88
Q120	146.05	56.47	--	--	152.33	53.07	144.06	54.50	146.90	56.07	144.77	55.73	147.75	55.38	160.40	49.35	161.86	48.15	--	--	147.14	56.34	--	--	--	--	--	--	--	--
Q419	147.05	55.47	149.77	54.36	152.47	52.93	144.06	54.50	147.18	55.79	145.09	55.41	147.88	55.25	160.65	49.10	162.17	47.84	135.32	56.19	147.26	56.22	149.21	55.18	148.57	56.27	157.11	50.71	145.40	59.67
Q319	147.15	55.37	--	--	152.40	53.00	144.11	54.45	147.12	55.85	145.02	54.47	147.82	55.31	160.88	48.87	162.26	47.75	--	--	147.20	56.28	--	--	--	--	--	--	--	--
Q219	147.18	55.34	149.96	54.17	152.46	52.94	144.30	54.26	147.12	55.85	145.03	55.47	147.97	55.16	160.90	48.85	162.29	47.72	135.38	56.13	147.24	56.24	149.21	55.18	148.67	56.17	157.11	50.71	145.40	59.67
Q119	147.14	55.38	--	--	152.39	53.01	144.13	54.43	147.19	55.78	145.06	55.43	147.83	55.30	160.69	49.06	162.01	48.00	--	--	147.24	56.24	--	--	--	--	--	--	--	--
Q418	147.72	54.80	149.97	54.16	152.69	52.71	144.38	54.18	147.71	55.26	145.24	55.26	148.10	55.03	160.92	48.83	162.29	47.72	135.70	55.81	147.56	55.92	149.54	54.85	148.85	55.99	157.52	50.30	145.61	59.46
Q318	147.49	55.03	--	--	153.02	52.38	144.68	53.88	147.48	55.49	145.52	54.98	148.18	54.95	161.50	48.25	162.79	47.22	--	--	147.61	55.87	--	--	--	--	--	--	--	--
Q218	147.82	54.70	150.17	53.96	153.02	52.38	144.59	53.97	147.77	55.20	145.46	55.04	148.24	54.89	161.40	48.35	162.72	47.29	135.88	55.63	147.82	55.66	149.96	54.43	149.15	55.69	157.74	50.08	145.90	59.17
Q118	147.66	54.86	--	--	152.98	52.42	144.69	53.87	147.70	55.27	145.60	54.90	148.31	54.82	161.01	48.74	162.37	47.64	--	--	147.81	55.67	--	--	--	--	--	--	--	--
Q417	148.06	54.46	150.48	53.65	153.38	52.02	--	--	--	--	--	--	--	--	--	--	--	--	136.17	55.34	147.96	55.52	150.21	54.18	149.24	55.60	158.02	49.80	146.26	58.81
Q317	147.86	54.66	150.65	53.48	153.22	52.18	--	--	--	--	--	--	--	--	--	--	--	--	136.00	55.51	147.89	55.59	149.83	54.56	149.42	55.42	157.86	49.96	145.95	59.12
Q217	147.94	54.58	150.29	53.84	152.95	52.45	--	--	--	--	--	--	--	--	--	--	--	--	136.01	55.50	147.95	55.53	149.93	54.46	149.53	55.31	--	--	146.10	58.97
Q117	148.15	54.37	150.85	53.28	153.46	51.94	--	--	--	--	--	--	--	--	--	--	--	--	136.41	55.10	148.36	55.12	150.34	54.05	149.86	54.98	158.07	49.75	146.51	58.56

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
Only 2018 through 2021 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
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E1D		E1S		E2S		E4S		N2S		N3S		NE1S		S10S		S11S	
	Units	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4
Field Measurements																			
Dissolved Oxygen	mg/L	1.98	NS	7.44	7.28	0.42	0.33	2.36	2.11	1.79	1.36	6.85	6.44	6.69	5.44	2.48	3.02	0.80	0.51
ORP	mV	235.8	NS	241.4	147.8	47.2	-107.0	56.3	-73.4	154.0	100.7	184.2	138.6	132.4	-2.1	200.5	-63.5	-84.0	-154.0
pH	SU	7.09	NS	7.04	7.08	6.67	6.94	7.15	7.16	6.91	6.95	7.20	7.24	7.08	7.20	6.93	6.98	7.49	7.68
Specific Conductivity	µS/cm	1,993	NS	1,301	1,122	1,302	1,274	1,217	1,234	1,254	1,326	1,168	1,029	1,007	897	1,202	1,167	943	924
Temperature	deg-C	12.4	NS	11.5	11.5	13.1	12.8	11.3	11.2	13.9	13.5	13.1	12.8	14.4	13.7	14.4	14.0	10.5	10.2
Turbidity	NTU	26.2	NS	4.1	3.0	3.2	3.7	14.8	3.4	4.6	5.1	6.3	3.6	2.7	3.4	10.0	3.9	2.7	3.1
General Chemistry																			
Alkalinity, Total	mg/L	780	NS	—	—	530	530	550	550	550	620	440	430	300	310	360	340	350	340
Alkalinity, Bicarbonate	mg/L	780	NS	—	—	530	530	550	550	550	620	440	430	300	310	360	340	350	340
Ammonia	mg-N/L	0.5 U	NS	—	—	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	mg/L	180	NS	—	—	160	160	160	150	140	150	130	130	110	120	120	120	85	82
Chemical Oxygen Demand	mg/L	10 U	NS	—	—	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	78	NS	—	—	25	21	33	26	23	22	33	32	26	23	63	55	72	62
Fluoride	mg/L	0.88	NS	—	—	0.23	0.2 U	0.24	0.2 U	0.22	0.2 U	0.23	0.2 U	0.37	0.2 U	0.35	0.2 U	0.25	0.2 U
Magnesium	mg/L	120	NS	—	—	66	66	58	55	71	77	47	45	38	39	69	70	57	55
Potassium	mg/L	9.6	NS	—	—	7.4	7.0	6.8	6.2	9.4	9.4	6.2	6.0	5.8	5.7	6.2	6.1	7.0	6.5
Sodium	mg/L	46	NS	—	—	32	30	31	29	30	30	28	27	19	19	27	27	38	35
Sulfate	mg/L	140	NS	—	—	72	70	42	38	50	59	55	44	95	96	73	78	32	30
Total Dissolved Solids	mg/L	940	NS	—	—	700	890	530	700	640	710	550	710	530	680	620	680	480	490
Total Nitrate/Nitrite	mg-N/L	0.4 U	NS	14	14	8.3	6.3	5.3	5.9	7.4	6.6	7.0	7.2	7.8	7.9	21	25	0.4 U	0.4 U
Total Organic Carbon	mg/L	1.7	NS	—	—	1.2	1.5	1 U	1 U	1.3	1.7	1.1	1.3	1.2	1.5	2.0	1.8	2.3	2.4
Metals																			
Antimony	mg/L	0.0008 U	NS	—	—	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Arsenic	mg/L	0.0039	NS	—	—	0.0014	0.0013	0.0026	0.0026	0.0011	0.0010	0.0021	0.0024	0.0021	0.0022	0.0022	0.0020	0.0062	0.0055
Barium	mg/L	0.047	NS	—	—	0.052	0.051	0.051	0.048	0.041	0.046	0.032	0.033	0.034	0.030	0.029	0.027	0.032	0.031
Beryllium	mg/L	0.0004 U	NS	—	—	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Cadmium	mg/L	0.0004 U	NS	—	—	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Chromium	mg/L	0.0008 U	NS	—	—	0.0008 U	0.0008 U	0.0055	0.021	0.0014	0.0020	0.010	0.011	0.0042	0.0041	0.0110	0.0098	0.0008 U	0.0008 U
Cobalt	mg/L	0.00066	NS	—	—	0.00098	0.00090	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Copper	mg/L	0.002 U	NS	—	—	0.002 U	0.002 U	0.002 U	0.0035	0.002 U	0.002 U	0.002 U	0.002 U	0.0022	0.0021	0.002 U	0.002 U	0.002 U	0.002 U
Iron	mg/L	0.3 U	NS	—	—	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
Lead	mg/L	0.0004 U	NS	—	—	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Manganese	mg/L	0.052	NS	—	—	0.50	0.49	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	0.22	0.19
Nickel	mg/L	0.0054	NS	—	—	0.0053	0.0047	0.003 U	0.015	0.0033	0.0034	0.003 U	0.0032	0.0043	0.0043	0.0039	0.0036	0.003 U	0.003 U
Selenium	mg/L	0.008 U	NS	—	—	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Silver	mg/L	0.0004 U	NS	—	—	0.0004 U	0.0004 U	0.0004 U	0.00055	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Thallium	mg/L	0.001 U	NS	—	—	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.0052	NS	—	—	0.004 U	0.004 U	0.0061	0.0065	0.0040	0.0044	0.0052	0.0058	0.0048	0.0047	0.0047	0.0042	0.004 U	0.004 U
Zinc	mg/L	0.007 U	NS	—	—	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U

Notes:
deg-C = degress Celsius
mg/L = miligrams per liter
mV = milivolts
mg N/L = miligrams of nitrogen per liter
NS = E1D not sampled during Q4 due to pump malfunction
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
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E2D				E3D		E4D				E5D				E6D			
	Units	21Q1	21Q2	21Q3	21Q4	21Q2	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4
Field Measurements																			
Dissolved Oxygen	mg/L	1.46	0.60	0.66	2.11	3.15	9.21	1.01	1.22	1.22	0.78	0.93	0.83	0.66	0.86	0.45	1.24	0.61	0.77
ORP	mV	137	67.4	73.7	-79.0	205.8	-52.3	-57.0	-65.0	-38.1	-204.0	-77.0	-92.6	-109.7	-133.2	-158.6	-154.6	-136.3	-164.1
pH	SU	6.70	6.56	6.84	6.91	7.60	7.65	7.84	8.02	8.07	8.11	7.14	7.34	7.31	7.34	7.58	7.65	7.17	7.75
Specific Conductivity	µS/cm	1,478	1,516	1,513	1,388	763	744	552	553	563	576	1,307	1,320	1,372	1,380	678	694	695	691
Temperature	deg-C	11.7	13.3	14.1	13.2	11.9	11.3	10.0	11.9	13.0	11.2	11.0	12.5	12.8	12.0	13.7	16.0	15.5	14.9
Turbidity	NTU	2.3	3.9	3.8	3.3	3.1	3.6	4.6	3.8	4.6	9.9	2.1	2.9	2.9	3.8	2.0	3.4	2.9	3.3
General Chemistry																			
Alkalinity, Total	mg/L	NA	630	NA	580	320	320	NA	210	NA	230	680	660	680	690	300	290	310	300
Alkalinity, Bicarbonate	mg/L	NA	630	NA	580	320	320	NA	210	NA	230	680	660	680	690	300	290	310	300
Ammonia	mg-N/L	NA	0.5 U	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	mg/L	NA	180	NA	170	73	71	NA	41	NA	49	170	170	160	170	65	65	60	66
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	10 U	10 U	10 U	10 U
Chloride	mg/L	NA	42	NA	37	35	35	NA	36	NA	31	25	29	25	24	21	19	19	18
Fluoride	mg/L	NA	0.2 U	NA	0.2 U	0.4	0.2 U	NA	0.56	NA	0.2 U	0.24	0.22	0.2 U	0.2 U	0.26	0.61	0.2 U	0.2 U
Magnesium	mg/L	NA	89	NA	85	46	45	NA	29	NA	31	75	75	76	77	33	33	31	34
Potassium	mg/L	NA	8.7	NA	8.2	6.9	6.5	NA	11	NA	11	8.5	8.2	8.2	8.0	5.6	6.0	5.9	5.6
Sodium	mg/L	NA	36	NA	34	28	26	NA	28	NA	25	36	34	34	33	35	35	34	33
Sulfate	mg/L	NA	78	NA	82	16	15	NA	16	NA	14	29	32	31	30	31	31	30	29
Total Dissolved Solids	mg/L	NA	840	NA	810	350	390	NA	260	NA	320	730	700	760	620	360	340	300	460
Total Nitrate/Nitrite	mg-N/L	NA	8.8	NA	9.4	0.4 U	0.4 U	NA	0.4 U	NA	0.4 U	0.89	0.4 U	0.2 U	0.4 U	0.55	0.4 U	0.2 U	0.4 U
Total Organic Carbon	mg/L	NA	2.2	NA	2.0	1.4	1.4	NA	2.7	NA	2.5	4.6	1.4	3.8	1.8	3.6	1.6	3.2	1.8
Metals																			
Antimony	mg/L	NA	0.0008 U	NA	0.0008 U	0.0008 U	0.0008 U	NA	0.0008 U	NA	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Arsenic	mg/L	NA	0.002	NA	0.0017	0.0062	0.006	NA	0.0170	NA	0.0160	0.0058	0.0059	0.0059	0.0059	0.0016	0.0016	0.0015	0.0015
Barium	mg/L	NA	0.039	NA	0.035	0.027	0.028	NA	0.039	NA	0.040	0.078	0.079	0.072	0.073	0.090	0.076	0.082	0.074
Beryllium	mg/L	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Cadmium	mg/L	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U
Chromium	mg/L	NA	0.0008 U	NA	0.0008 U	0.0017	0.0015	NA	0.0009	NA	0.024	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Cobalt	mg/L	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.00041	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Copper	mg/L	NA	0.002 U	NA	0.002 U	0.002 U	0.002 U	NA	0.002 U	NA	0.0038	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Iron	mg/L	NA	0.3 U	NA	0.3 U	0.3 U	0.3 U	NA	0.3 U	NA	0.3 U	1.9	1.8	2.0	1.9	1.6	1.7	1.4	1.7
Lead	mg/L	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U
Manganese	mg/L	NA	0.064	NA	0.058	0.29	0.27	NA	0.067	NA	0.081	0.28	0.27	0.23	0.27	0.56	0.59	0.52	0.51
Nickel	mg/L	NA	0.0074	NA	0.0065	0.003 U	0.003 U	NA	0.003 U	NA	0.0072	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Selenium	mg/L	NA	0.008 U	NA	0.008 U	0.008 U	0.008 U	NA	0.008 U	NA	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Silver	mg/L	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	NA	0.0004 U	NA	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Thallium	mg/L	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	NA	0.0064	NA	0.0055	0.004 U	0.004 U	NA	0.004 U	NA	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	NA	0.007 U	NA	0.007 U	0.007 U	0.007 U	NA	0.007 U	NA	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U

Notes:

deg-C = degress Celsius

mg/L = miligrams per liter

mV = milivolts

mg N/L = miligrams of nitrogen per liter

NA = Monitoring Wells E2D and E4D were only sampled for VOCs during 21Q1 and 21Q3 in accordance with the site sampling and analysis plan. See Table 3B for results.

NTU = nepthelometric turbidity units

ORP = oxidation reduction potential

SU = Standard units

µS/cm = microSiemens per centimeter

U = not detected above reporting limit

— = analysis not performed

Table 2B. Field Parameter, General Chemistry, and Inorganic Results - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	E7D				E8D				E9D				E10D			
	Units	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4
Field Measurements																	
Dissolved Oxygen	mg/L	0.46	1.01	0.58	0.77	0.81	1.45	0.79	0.83	0.82	0.89	1.39	1.30	0.61	0.69	0.75	0.98
ORP	mV	208.3	204.4	40.5	-95.2	-109.4	-80.5	-134.5	-146.5	-108.6	-89.5	-65.1	-151.8	-81.4	-92.8	-113.2	-122.8
pH	SU	6.42	6.70	6.69	6.74	7.44	7.58	7.64	7.75	8.07	8.33	8.38	8.30	7.25	7.51	7.54	7.48
Specific Conductivity	µS/cm	1,942	1,969	2,032	1,908	569	579	584	594	546	553	560	568	1,003	1,011	1,022	1,030
Temperature	deg-C	13.3	14.5	16.2	14.6	10.0	12.1	12.2	10.9	9.8	10.9	12.0	10.6	9.7	10.4	11.0	10.4
Turbidity	NTU	2.0	3.2	3.0	4.5	3.9	4.0	3.6	3.6	3.8	5.4	5.8	4.3	2.3	3.1	3.5	3.4
General Chemistry																	
Alkalinity, Total	mg/L	770	760	780	710	240	240	250	260	190	190	190	190	410	420	410	400
Alkalinity, Bicarbonate	mg/L	770	760	780	710	240	240	250	260	190	190	190	190	410	420	410	400
Ammonia	mg-N/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	mg/L	270	270	250	270	56	52	49	54	34	32	31	33	110	110	96	100
Chemical Oxygen Demand	mg/L	82	47	46	51	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	55	60	56	54	15	17	13	13	43	46	42	42	60	69	61	59
Fluoride	mg/L	0.2	0.2 U	0.23	0.2 U	0.32	0.50	0.2 U	0.2 U	0.37	0.45	0.2 U	0.2 U	0.26	0.30	0.2 U	0.2 U
Magnesium	mg/L	110	110	110	110	30	28	26	27	37	36	34	34	60	59	53	56
Potassium	mg/L	9.8	9.9	9.6	9.6	5.6	5.6	5.3	5.3	16	16	15	15	7.8	7.7	7.5	7.3
Sodium	mg/L	39	39	36	38	27	24	24	23	18	16	16	15	32	31	29	28
Sulfate	mg/L	290	340	290	270	27	27	26	25	21	22	20	18	42	47	48	47
Total Dissolved Solids	mg/L	1,200	1,300	1,300	1,400	290	180	270	270	270	240	170	120	560	460	510	480
Total Nitrate/Nitrite	mg-N/L	0.45	1.1	0.2 U	0.72	0.47	0.4 U	0.2 U	0.4 U	0.47	0.4 U	0.2 U	0.4 U	0.51	0.4 U	0.2 U	0.4 U
Total Organic Carbon	mg/L	26	20	23	20	2.2	1.1	2.0	1.4	1.9	1.5	2.7	1.6	3.7	6.6	3.2	1.4
Metals																	
Antimony	mg/L	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Arsenic	mg/L	0.0021	0.0020	0.0021	0.0019	0.0049	0.0048	0.0054	0.0049	0.021	0.022	0.022	0.020	0.0063	0.0059	0.0063	0.0061
Barium	mg/L	0.073	0.064	0.066	0.057	0.079	0.073	0.064	0.061	0.027	0.027	0.028	0.025	0.046	0.046	0.051	0.043
Beryllium	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Cadmium	mg/L	0.001	0.00068	0.00046	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U
Chromium	mg/L	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Cobalt	mg/L	0.003	0.0029	0.0028	0.0024	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Copper	mg/L	0.0026	0.0029	0.0032	0.0029	0.002 U	0.002 U	0.002 U	0.002 U	0.0039	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Iron	mg/L	0.3 U	0.3 U	0.3 U	0.3 U	1.4	1.2	1.2	1.3	0.3 U	0.3 U	0.3 U	0.3 U	1.0	0.90	0.86	0.86
Lead	mg/L	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U
Manganese	mg/L	0.75	0.79	0.72	0.76	0.31	0.30	0.29	0.30	0.041	0.042	0.032	0.038	0.084	0.080	0.078	0.080
Nickel	mg/L	0.032	0.031	0.030	0.026	0.003 U	0.003 U	0.003 U	0.0032	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003
Selenium	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Silver	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.0180	0.0140	0.0120	0.0098	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.011	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U

Notes:

deg-C = degress Celsius

mg/L = miligrams per liter

mV = milivolts

mg N/L = miligrams of nitrogen per liter

NA = Monitoring Wells E2D and E4D were only sc

NTU = nepthelometric turbidity units

ORP = oxidation reduction potential

SU = Standard units

µS/cm = microSiemens per centimeter

U = not detected above reporting limit

— = analysis not performed

Table 2B. Field Parameter, General Chemistry, and Inorganic Results - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	N1D		N2D				N3D		N5D		NE1D		S11D	
	Units	21Q2	21Q4	21Q1	21Q2	21Q3	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4
Field Measurements															
Dissolved Oxygen	mg/L	1.88	0.98	0.28	0.88	0.54	0.59	1.38	0.82	1.07	0.98	2.70	1.49	0.62	1.39
ORP	mV	24.1	-34.9	90.7	214.5	154.0	93.5	122.1	20.2	149.6	-59.9	145.2	-71.4	-49.9	-78.7
pH	SU	7.28	7.34	6.91	7.01	6.88	7.08	7.52	7.61	7.11	7.39	7.25	7.52	7.52	7.61
Specific Conductivity	µS/cm	1,638	1,434	1,202	1,220	1,245	1,186	748	659	1,465	1,428	749	670	959	934
Temperature	deg-C	11.9	12.4	12.5	13.0	13.9	13.3	13.1	12.6	10.4	10.7	14.7	14.4	10.4	10.2
Turbidity	NTU	3.0	3.8	2.0	3.0	4.8	3.8	3.9	4.5	3.2	3.2	2.9	6.4	4.8	4.5
General Chemistry															
Alkalinity, Total	mg/L	490	470	470	460	450	440	270	260	540	490	240	260	330	330
Alkalinity, Bicarbonate	mg/L	490	470	470	460	450	440	270	260	540	490	240	260	330	330
Ammonia	mg-N/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	mg/L	120	120	110	110	100	110	74	72	130	120	62	60	79	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
Chloride	mg/L	130	110	69	70	71	71	50	38	95	94	38	36	68	74
Fluoride	mg/L	0.2 U	0.2 U	0.31	0.30	0.2 U	0.2 U	0.28	0.2 U	0.21	0.2 U	0.24	0.2 U	0.26	0.2 U
Magnesium	mg/L	95	92	75	70	68	72	27	26	98	91	36	36	56	57
Potassium	mg/L	9.6	9.1	8.6	8.5	8.4	8.4	6.4	6.0	11	9.6	6.4	5.8	7.6	7.4
Sodium	mg/L	47	44	44	39	40	40	22	20	50	45	26	26	38	37
Sulfate	mg/L	160	140	58	69	73	72	28	25	75	82	38	38	33	32
Total Dissolved Solids	mg/L	840	820	600	560	680	630	320	360	760	310	340	410	500	610
Total Nitrate/Nitrite	mg-N/L	0.4 U	0.4 U	4.4	3.7	3.5	3.7	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total Organic Carbon	mg/L	3.6	3.8	3.9	2.0	4.5	2.3	1.0	1.2	2.6	2.6	1.1	1 U	2.4	2.6
Metals															
Antimony	mg/L	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Arsenic	mg/L	0.0047	0.0052	0.0031	0.0027	0.0030	0.0031	0.0081	0.0076	0.0035	0.003	0.0075	0.0073	0.0081	0.0071
Barium	mg/L	0.100	0.099	0.029	0.027	0.030	0.028	0.032	0.028	0.084	0.076	0.018	0.017	0.042	0.038
Beryllium	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Cadmium	mg/L	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Chromium	mg/L	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.019	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Cobalt	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00041	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Copper	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0042	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Iron	mg/L	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
Lead	mg/L	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Manganese	mg/L	0.31	0.32	0.02 U	0.02 U	0.026	0.02 U	0.030	0.025	0.16	0.15	0.02 U	0.02 U	0.17	0.14
Nickel	mg/L	0.0074	0.0090	0.0046	0.0040	0.0046	0.0200	0.003 U	0.003 U	0.0089	0.0072	0.003 U	0.003 U	0.003 U	0.003 U
Selenium	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Silver	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U

Notes:

deg-C = degress Celsius

mg/L = miligrams per liter

mV = milivolts

mg N/L = miligrams of nitrogen per liter

NA = Monitoring Wells E2D and E4D were only sc

NTU = nepthelometric turbidity units

ORP = oxidation reduction potential

SU = Standard units

µS/cm = microSiemens per centimeter

U = not detected above reporting limit

— = analysis not performed

Table 2C. Field Parameter, General Chemistry, and Inorganic Results - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Location	DNR				DOT		WR1			
	Units	21Q1	21Q2	21Q3	21Q4	21Q2	21Q4	21Q1	21Q2	21Q3	21Q4
Field Measurements											
Dissolved Oxygen	mg/L	1.46	2.08	1.81	2.24	1.19	1.09	2.76	2.70	4.07	3.10
ORP	mV	57.6	33.2	58.5	32.3	-110.2	-130.8	108.6	170.3	26.0	72.8
pH	SU	7.31	7.48	7.36	7.44	7.85	7.86	7.23	6.85	7.46	7.32
Specific Conductivity	µS/cm	874	899	878	887	761	780	892	911	907	899
Temperature	deg-C	10.5	13.4	13.2	11.1	12.1	11.8	8.5	10.0	11.7	10.6
Turbidity	NTU	0.4	0.4	0.5	0.5	0.8	0.7	0.1	0.2	0.8	0.5
General Chemistry											
Alkalinity, Total	mg/L	300	290	290	290	330	340	330	330	330	310
Alkalinity, Bicarbonate	mg/L	300	290	290	290	330	340	330	330	330	310
Ammonia	mg-N/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	mg/L	82	84	76	84	67	66	85	85	77	80
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
Chloride	mg/L	65	73	66	66	27	23	63	62	56	55
Fluoride	mg/L	0.24	0.2 U	0.23	0.2 U	0.61	0.2 U	0.71	0.28	0.20	0.2 U
Magnesium	mg/L	45	47	44	48	44	42	48	49	45	47
Potassium	mg/L	5.3	5.8	5.6	5.6	6.9	6.4	5.3	5.8	5.5	5.2
Sodium	mg/L	30	30	29	30	26	24	34	33	32	31
Sulfate	mg/L	58	71	58	59	27	24	45	53	47	47
Total Dissolved Solids	mg/L	500	310	440	480	360	420	470	460	360	440
Total Nitrate/Nitrite	mg-N/L	0.42	0.54	0.44	0.43	0.4 U	0.4 U	1.7	2.0	1.8	1.7
Total Organic Carbon	mg/L	3.0	2.0	3.3	2.3	1.2	1.5	3.6	2.2	3.2	2.1
Metals											
Antimony	mg/L	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
Arsenic	mg/L	0.0040	0.0036	0.0035	0.0037	0.0062	0.0063	0.0034	0.003	0.0036	0.0031
Barium	mg/L	0.020	0.022	0.020	0.019	0.029	0.027	0.023	0.022	0.024	0.022
Beryllium	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Cadmium	mg/L	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.0004 U	0.0004 U
Chromium	mg/L	0.0030	0.0026	0.0017	0.0026	0.0008 U	0.0008 U	0.0017	0.0015	0.0031	0.0015
Cobalt	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Copper	mg/L	0.0073	0.0044	0.0027	0.0026	0.002 U	0.002 U	0.037	0.038	0.027	0.040
Iron	mg/L	0.3 U	0.3 U	0.3 U	0.3 U	0.71	0.44	0.3 U	0.3 U	0.3 U	0.3 U
Lead	mg/L	0.0008 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0008 U	0.0004 U	0.00068	0.0004 U
Manganese	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.16	0.16	0.02 U	0.02 U	0.02 U	0.02 U
Nickel	mg/L	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Selenium	mg/L	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U
Silver	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium	mg/L	0.0065	0.0065	0.0062	0.0064	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Zinc	mg/L	0.0100	0.0075	0.007 U	0.007 U	0.170	0.170	0.054	0.037	0.028	0.046

Notes:
deg-C = degress Celsius
mg/L = miligrams 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
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	E1D		E2S		E4S		N2S		N3S		NE1S		S10S		S11S	
	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4	21Q2	21Q4
1,1 - Dichloroethane	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.36	0.35	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.39	0.33	0.2 U	0.2 U	0.2 U	0.2 U	0.39	0.33	0.2 U	0.2 U
1,1,1,2 - Tetrachloroethane	0.3 U	NS	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2 - Dibromoethane	0.1 U	NS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2 - Dichlorobenzene (ortho)	0.3 U	NS	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	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	NS	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl Iodide	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 U	NS	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	NS	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	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	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	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	NS	2.3	3.9	0.5 U	0.5 U	3.2	4.6	1.0	1.4	0.5 U	0.5 U	4.0*	6.5	0.5 U	0.5 U
Vinyl acetate	2 U	NS	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	0.23	NS	0.031	0.02 U	0.16	0.051	0.02 U	0.10	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

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
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	E2D				E3D		E4D				E5D				E6D				E7D				E8D			
	21Q1	21Q2	21Q3	21Q4	21Q1	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4
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	0.2 U	0.2 U	3.0	3.1	3.5	3.2	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	0.51	0.2 U	0.20	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1 - Trichloroethane	0.49	0.42	0.46	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.66	0.69	0.73	0.58	0.2 U	0.2 U	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	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	0.2 U	0.2 U	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
1,2 - Dibromoethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2 - Dichlorobenzene (ortho)	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	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	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
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
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
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
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
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
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
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
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
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
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
Carbon Disulfide	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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
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
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	0.5 U	0.5 U	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	0.2 U	0.2 U	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	0.5 U	0.5 U	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	0.2 U	0.2 U	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	0.2 U	0.2 U	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
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
Methyl Iodide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	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	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	0.5 U	0.5 U	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	0.2 U	0.2 U	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	0.5 U	0.5 U	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	0.5 U	0.5 U	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
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
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
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
Trichlorofluoromethane	3.7	2.8	3.0	4.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	96	96	88	120	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
Vinyl chloride	24	24	20	30	0.02 U	0.02 U	0.02 U	0.02 U	0.02	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.022	0.02 U	0.02 U	2.4	2.9	2.4	3.1	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

* = 1Q21 detections of Tetrachloroethylene and Trichloroethylene at E9D and E10D reported by laboratory as "high bias" analytical artifacts due to potential VOC carry-over from non-CSWF samples ran in the same testing batch.

Table 3B. Volatile Organic Compound Results - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	E9D				E10D				N1D		N2D				N3D		N5D		NE1D		S11D	
	21Q1	21Q2	21Q3	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q4	21Q1	21Q2	21Q3	21Q4	21Q1	21Q4	21Q1	21Q4	21Q1	21Q4	21Q1	21Q4
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	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
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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2 - 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	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	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
1,2 - Dibromoethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2 - Dichlorobenzene (ortho)	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	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	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
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
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
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
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
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
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
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
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
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
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
Carbon Disulfide	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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
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
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	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	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	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	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	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
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
Methyl Iodide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	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	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene	0.72*	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	0.5 U	0.5 U	0.5 U	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	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	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	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
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
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
Trichloroethylene	0.2 U	0.2 U	0.2 U	0.2 U	0.29*	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	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	0.67	0.5 U	0.61	0.84	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
Vinyl chloride	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.024	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 mic
U = not detected above reporting

* = 1Q21 detections of Tetrachloroethylene and Trichloroethylene at E9D and E10D reported by laboratory as "high bias" analytical artifacts due to potential VOC carry-over from non-CSWF samples ran in the same testing batch.

Table 3C. Volatile Organic Compound Results - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	DNR				DOT		WR1			
	21Q1	21Q2	21Q3	21Q4	21Q2	21Q4	21Q1	21Q2	21Q3	21Q4
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
1,1,1 - 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
1,1,1,2 - 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
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
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
1,2 - Dibromoethane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
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
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	0.2 U	0.2 U	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
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
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	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Carbon Tetrachloride	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
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
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
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
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	0.33	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
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
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
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
Methyl Iodide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	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
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
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
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
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
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	0.02 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 limit

Table 4. Volatile Organic Compound Detections
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Well Name	Aquifer	Date Sampled	Result
1,1,1-Trichloroethane	E2D	2	1/27/2021	0.49
			4/20/2021	0.42
			7/27/2021	0.46
	E7D	2	1/28/2021	0.66
			4/20/2021	0.69
			7/27/2021	0.73
			10/27/2021	0.58
	N2S	1	4/20/2021	0.39
			10/26/2021	0.33
	S10S	1	4/20/2021	0.39
			10/27/2021	0.33
1,1-Dichloroethane	E7D	2	1/28/2021	3.0
			4/20/2021	3.1
			7/27/2021	3.5
			10/27/2021	3.2
	N2S	1	4/20/2021	0.36
			10/26/2021	0.35
1,1-Dichloroethylene	E7D	2	4/20/2021	0.51
			10/27/2021	0.20
Chloroform	WR1	WSW	7/28/2021	0.33
Tetrachloroethylene	E10D	2	1/27/2021	1.0*
	E9D	2	1/27/2021	0.72*
Trichloroethylene	E10D	2	1/27/2021	0.29*
Trichlorofluoromethane	E2D	2	1/27/2021	3.7
			4/20/2021	2.8
			7/27/2021	3.0
			10/27/2021	4.8
	E2S	1	4/20/2021	2.3
			10/27/2021	3.9
	E7D	2	1/28/2021	96
			4/20/2021	96
			7/27/2021	88
			10/27/2021	120
	N2D	2	1/27/2021	0.67
			7/27/2021	0.61
			10/26/2021	0.84
	N2S	1	4/20/2021	3.2
			10/26/2021	4.6
	N3S	1	4/19/2021	1.0
			10/26/2021	1.4
	S10S	1	4/20/2021	4.0**
			10/27/2021	6.5
Vinyl chloride	E1D	1	4/19/2021	0.23
	E2D	2	1/27/2021	24
			4/20/2021	24
			7/27/2021	20
			10/27/2021	30
	E2S	1	4/20/2021	0.031
	E4D	2	7/27/2021	0.020
	E4S	1	4/19/2021	0.16
			10/26/2021	0.051
	E6D	2	4/20/2021	0.022
	E7D	2	1/28/2021	2.4
			4/20/2021	2.9
			7/27/2021	2.4
			10/27/2021	3.1
	N2D	2	7/27/2021	0.024
	N2S	1	10/26/2021	0.10

Notes:
All units measured in µg/L
WSW = water supply well
* = 1Q21 detections of Tetrachloroethylene and Trichloroethylene at E9D and E10D reported by laboratory as "high bias" analytical artifacts due to potential VOC carry-over from non-CSWF samples ran in the same testing batch.
** = Data qualified by laboratory

Table 5. WAC 173-200 and Federal MCL Exceedences
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
Field Measurements							
pH (SU)	6.5 - 8.5	-	6.5 - 8.5	E7D	2	1/28/2021	6.42
Specific Conductivity (µS/cm)	-	-	700[a]	E1D	1	4/19/2021	1,993
				E1S	1	4/19/2021	1,301
						10/26/2021	1,122
				E2S	1	4/20/2021	1,302
						10/27/2021	1,274
				E4S	1	4/19/2021	1,217
						10/26/2021	1,234
				N2S	1	4/20/2021	1,254
						10/26/2021	1,326
				N3S	1	4/19/2021	1,168
						10/26/2021	1,029
				NE1S	1	4/19/2021	1,007
						10/27/2021	897
				S10S	1	4/20/2021	1,202
						10/27/2021	1,167
				S11S	1	4/20/2021	943
						10/27/2021	924
				E2D	2	1/27/2021	1,478
						4/20/2021	1,516
						7/27/2021	1,513
						10/27/2021	1,388
				E3D	2	4/20/2021	763
						10/27/2021	744
				E5D	2	1/27/2021	1,307
						4/19/2021	1,320
						7/27/2021	1,372
						10/26/2021	1,380
				E7D	2	1/28/2021	1,942
						4/20/2021	1,969
						7/27/2021	2,032
						10/27/2021	1,908
				E10D	2	1/27/2021	1,003
						4/19/2021	1,011
						7/27/2021	1,022
						10/26/2021	1,030
				N1D	2	4/19/2021	1,638
						10/26/2021	1,434
				N2D	2	1/27/2021	1,202
						4/20/2021	1,220
						7/27/2021	1,245
						10/26/2021	1,186
				N3D	2	4/19/2021	748
				N5D	2	4/20/2021	1,465
						10/27/2021	1,428
				NE1D	2	4/19/2021	749
				S11D	2	4/20/2021	959
						10/27/2021	934
				DNR	3	1/28/2021	874
						4/19/2021	899
						7/28/2021	878
						10/27/2021	887
				DOT	3	4/19/2021	761
						10/26/2021	780
				WR1	WSW	1/28/2021	892
						4/20/2021	911
						7/28/2021	907
						10/27/2021	899

Table 5. WAC 173-200 and Federal MCL Exceedences
2021 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	-	250	E7D	2	1/28/2021	290
						4/20/2021	340
						7/27/2021	290
						10/27/2021	270
Total Dissolved Solids (mg/L)	500	-	500	E1D	1	4/19/2021	940
				E2S	1	4/20/2021	700
						10/27/2021	890
				E4S	1	4/19/2021	530
						10/26/2021	700
				N2S	1	4/20/2021	640
						10/26/2021	710
				N3S	1	4/19/2021	550
						10/26/2021	710
				NE1S	1	4/19/2021	530
						10/27/2021	680
				S10S	1	4/20/2021	620
						10/27/2021	680
				E2D	2	4/20/2021	840
						10/27/2021	810
				E5D	2	1/27/2021	730
						4/19/2021	700
						7/27/2021	760
						10/26/2021	620
				E7D	2	1/28/2021	1,200
						4/20/2021	1,300
						7/27/2021	1,300
						10/27/2021	1,400
				E10D	2	1/27/2021	560
						7/27/2021	510
				N1D	2	4/19/2021	840
						10/26/2021	820
				N2D	2	1/27/2021	600
						4/20/2021	560
						7/27/2021	680
						10/26/2021	630
				N5D	2	4/20/2021	760
				S11D	2	10/27/2021	610
Total Nitrate/Nitrite (mg/L)	10	10	-	E1S	1	4/19/2021	14
						10/26/2021	14
				S10S	1	4/20/2021	21
						10/27/2021	25
Metals							
Arsenic (mg/L)	0.00005	0.01	-	E1D	1	4/19/2021	0.0039
				E2S	1	4/20/2021	0.0014
						10/27/2021	0.0013
				E4S	1	4/19/2021	0.0026
						10/26/2021	0.0026
				N2S	1	4/20/2021	0.0011
						10/26/2021	0.0010
				N3S	1	4/19/2021	0.0021
						10/26/2021	0.0024
				NE1S	1	4/19/2021	0.0021
						10/27/2021	0.0022
				S10S	1	4/20/2021	0.0022
						10/27/2021	0.0020

Table 5. WAC 173-200 and Federal MCL Exceedences
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
Arsenic (mg/L) (cont.)	0.00005	0.01	-	S11S	1	4/20/2021	0.0062
						10/27/2021	0.0055
				E2D	2	4/20/2021	0.0020
						10/27/2021	0.0017
				E3D	2	4/20/2021	0.0062
						10/27/2021	0.0060
				E4D	2	4/19/2021	0.0170
						10/26/2021	0.0160
				E5D	2	1/27/2021	0.0058
						4/19/2021	0.0059
						7/27/2021	0.0059
						10/26/2021	0.0059
				E6D	2	1/28/2021	0.0016
						4/20/2021	0.0016
						7/27/2021	0.0015
						10/27/2021	0.0015
				E7D	2	1/28/2021	0.0021
						4/20/2021	0.0020
						7/27/2021	0.0021
						10/27/2021	0.0019
				E8D	2	1/27/2021	0.0049
						4/19/2021	0.0048
						7/27/2021	0.0054
						10/26/2021	0.0049
				E9D	2	1/27/2021	0.021
						4/19/2021	0.022
						7/27/2021	0.022
						10/26/2021	0.020
				E10D	2	1/27/2021	0.0063
						4/19/2021	0.0059
						7/27/2021	0.0063
						10/26/2021	0.0061
				N1D	2	4/19/2021	0.0047
						10/26/2021	0.0052
				N2D	2	1/27/2021	0.0031
						4/20/2021	0.0027
						7/27/2021	0.0030
						10/26/2021	0.0031
				N3D	2	4/19/2021	0.0081
						10/26/2021	0.0076
				N5D	2	4/20/2021	0.0035
						10/27/2021	0.0030
				NE1D	2	4/19/2021	0.0075
						10/27/2021	0.0073
				S11D	2	4/20/2021	0.0081
						10/27/2021	0.0071
				DNR	3	1/28/2021	0.0040
						4/19/2021	0.0036
						7/28/2021	0.0035
						10/27/2021	0.0037
				DOT	3	4/19/2021	0.0062
						10/26/2021	0.0063
				WR1	WSW	1/28/2021	0.0034
						4/20/2021	0.0030
						7/28/2021	0.0036
						10/27/2021	0.0031

Table 5. WAC 173-200 and Federal MCL Exceedences
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Criteria			Sample Location	Aquifer	Date Sampled	Result
	WAC 173-200	Primary MCL	Secondary MCL				
Iron (mg/L)	0.3	-	0.3	E5D	2	1/27/2021	1.9
						4/19/2021	1.8
						7/27/2021	2.0
						10/26/2021	1.9
				E6D	2	1/28/2021	1.6
						4/20/2021	1.7
						7/27/2021	1.4
						10/27/2021	1.7
				E8D	2	1/27/2021	1.4
						4/19/2021	1.2
						7/27/2021	1.2
						10/26/2021	1.3
				E10D	2	1/27/2021	1.0
						4/19/2021	0.90
						7/27/2021	0.86
						10/26/2021	0.86
				DOT	3	4/19/2021	0.71
						10/26/2021	0.44
Manganese (mg/L)	0.05	-	0.05	E1D	1	4/19/2021	0.052
				E2S	1	4/20/2021	0.50
						10/27/2021	0.49
				S11S	1	4/20/2021	0.22
						10/27/2021	0.19
				E2D	2	4/20/2021	0.064
						10/27/2021	0.058
				E3D	2	4/20/2021	0.29
						10/27/2021	0.27
				E4D	2	4/19/2021	0.067
						10/26/2021	0.081
				E5D	2	1/27/2021	0.28
						4/19/2021	0.27
						7/27/2021	0.23
						10/26/2021	0.27
				E6D	2	1/28/2021	0.56
						4/20/2021	0.59
						7/27/2021	0.52
						10/27/2021	0.51
				E7D	2	1/28/2021	0.75
						4/20/2021	0.79
						7/27/2021	0.72
						10/27/2021	0.76
				E8D	2	1/27/2021	0.31
						4/19/2021	0.30
						7/27/2021	0.29
						10/26/2021	0.30
				E10D	2	1/27/2021	0.084
						4/19/2021	0.080
						7/27/2021	0.078
						10/26/2021	0.080
				N1D	2	4/19/2021	0.31
						10/26/2021	0.32
				N5D	2	4/20/2021	0.16
						10/27/2021	0.15
				S11D	2	4/20/2021	0.17
						10/27/2021	0.14
				DOT	3	4/19/2021	0.16
						10/26/2021	0.16

Table 5. WAC 173-200 and Federal MCL Exceedences
2021 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)	1.0	-	-	E7D	2	1/28/2021	3.0
						4/20/2021	3.1
						7/27/2021	3.5
						10/27/2021	3.2
Vinyl Chloride (µg/L)	0.02	2	-	E1D	1	4/19/2021	0.23
				E2S	1	4/20/2021	0.031
				E4S	1	4/19/2021	0.160
						10/26/2021	0.051
				N2S	1	10/26/2021	0.10
				E2D	2	1/27/2021	24
						4/20/2021	24
						7/27/2021	20
						10/27/2021	30
				E6D	2	4/20/2021	0.022
				E7D	2	1/28/2021	2.4
						4/20/2021	2.9
						7/27/2021	2.4
						10/27/2021	3.1
				N2D	2	7/27/2021	0.024

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
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Specific Conductivity (µS/cm)	1	E1D	3	0	1686	1993	1827.7	N/A	N/A	N/A	N/A	130	0	163	2490	1314	3068	6.173	0	increasing
	1	E1S	4	0	961	1301	1141.3	0	0	50	no trend	131	0	421	2080	1198.9	1104	2.195	1.41	no trend
	1	E2S	4	0	1178	1323	1269.3	0	0	50	no trend	129	0	420	1630	1118.1	3780	7.694	0	increasing
	1	E4S	4	0	981	1265	1174.3	0	0	50	no trend	46	0	549.7	1265	1085.6	361	3.409	0.03	increasing
	1	N2S	4	0	1092	1326	1222.8	6	1.698	4.47	no trend	60	0	159	1900	1404.2	-285	-1.811	3.51	no trend
	1	N3S	4	0	1029	1168	1096.3	0	0	50	no trend	129	0	119	1365	846.4	4990	10.157	0	increasing
	1	NE1S	4	0	897	1007	938.3	0	0	50	no trend	68	0	436	1007	815.5	243	1.281	10.01	no trend
	1	S10S	4	0	1093	1202	1152	4	1.019	15.41	no trend	70	0	665	2400	1506.9	-1288	-6.525	0	decreasing
	1	S11S	4	0	829	1024	930	0	0	50	no trend	65	0	458.7	1033	873.1	466	2.633	0.42	increasing
	2	E2D	8	0	1388	1532	1480.6	-6	-0.62	26.81	no trend	138	0	180	2280	1201.2	3384	6.227	0	increasing
	2	E3D	4	0	713	769	747.3	-2	-0.34	36.71	no trend	75	0	375.2	846	712	1233	5.636	0	increasing
	2	E4D	8	0	548	702	575.5	9	0.99	16.12	no trend	56	0	431	933	577.3	-317	-2.234	1.28	no trend
	2	E5D	8	0	1208	1380	1298.1	20	2.351	0.94	increasing	20	0	1078	1380	1246.9	140	4.51	0	increasing
	2	E6D	8	0	615	695	667.6	18	2.103	1.77	no trend	20	0	615	696	669.7	10	0.292	38.52	no trend
	2	E7D	8	0	1788	2032	1905.5	16	1.856	3.17	no trend	20	0	1690	2032	1833.7	141	4.545	0	increasing
	2	E8D	8	0	523	594	564.9	18	2.103	1.77	no trend	20	0	523	594	569	6	0.162	43.55	no trend
	2	E9D	8	0	512	568	546.8	19	2.244	1.24	no trend	20	0	511	568	546.3	13	0.39	34.85	no trend
	2	E10D	8	0	928	1030	992.9	22	2.598	0.47	increasing	20	0	917	1030	977.2	94	3.019	0.13	increasing
	2	N1D	4	0	1397	1638	1484.3	0	0	50	no trend	130	0	152	1850	1231.3	4297	8.646	0	increasing
	2	N2D	8	0	1186	1245	1217.8	-8	-0.87	19.33	no trend	143	0	122	1516	935.6	7070	12.338	0	increasing
	2	N3D	4	0	659	748	689.8	-2	-0.34	36.71	no trend	129	0	371	800	548.3	4871	9.915	0	increasing
	2	N5D	4	0	1361	1465	1427.8	2	0.34	36.71	no trend	69	0	874.2	1630	1358.9	1044	5.402	0	increasing
	2	NE1D	4	0	670	749	696.8	0	0	50	no trend	68	0	335.4	763	637.7	680	3.594	0.02	increasing
	2	S11D	4	0	878	959	921.3	4	1.019	15.41	no trend	67	0	468.1	1065	895.2	303	1.634	5.11	no trend
	WSW	DNR	8	0	823	899	869.1	14	1.608	5.39	no trend	82	0	601	969	813.4	1469	5.879	0	increasing
	WSW	DOT	4	0	676	780	738	6	1.698	4.47	no trend	114	0	388.4	780	587.3	3721	9.11	0	increasing
	WSW	WR1	8	0	876	911	899	7	0.742	22.9	no trend	81	0	479	911	801.5	1978	8.063	0	increasing

Table 6. Short and Long Term Statisitics for Select Parameters
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Nitrate (mg/L)	1	E1D	3	2	<0.2	1.3	0.5	N/A	N/A	N/A	N/A	130	49	<0.000030	3.19	0.684	-2771	-5.575	0	decreasing
	1	E1S	4	0	12	14	13.25	5	1.445	7.43	no trend	131	13	<0.000030	14	4.54	3573	7.107	0	increasing
	1	E2S	4	0	6.3	8.6	7.95	-5	-1.45	7.43	no trend	128	45	<0.000030	8.7	1.822	-1125	-2.315	1.03	no trend
	1	E4S	4	0	3.6	5.9	4.7	4	1.019	15.41	no trend	46	0	0.11	5.9	1.034	724	6.847	0	increasing
	1	N2S	4	0	6.6	8.1	7.25	-4	-1.02	15.41	no trend	61	17	<0.000030	9.2	2.406	136	0.84	20.04	no trend
	1	N3S	4	0	6.8	7.6	7.15	0	0	50	no trend	129	5	<0.2	7.6	2.687	6259	12.741	0	increasing
	1	NE1S	4	0	6.8	7.9	7.5	4	1.019	15.41	no trend	68	0	0.03	8.39	5.3	1233	6.521	0	increasing
	1	S10S	4	0	21	26	24	0	0	50	no trend	70	0	0.02	86	34.4	130	0.654	25.66	no trend
	1	S11S	4	4	<0.2	<0.2	<0.2	N/A	N/A	N/A	N/A	65	63	<0.00070	0.19	0.0241	-657	-3.715	0.01	decreasing
	2	E2D	4	0	6.9	9.4	8.33	4	1.019	15.41	no trend	126	14	<0.00070	9.4	1.196	1238	2.609	0.45	increasing
	2	E3D	4	3	<0.2	0.55	0.2125	-3	-0.72	23.51	no trend	75	70	<0.000030	0.55	0.02975	-1159	-5.299	0	decreasing
	2	E4D	4	4	<0.2	<0.2	<0.2	N/A	N/A	N/A	N/A	46	45	<0.0028	0.16	0.029	N/A	N/A	N/A	N/A
	2	E5D	8	6	<0.10	0.89	0.291	-7	-0.75	22.72	no trend	16	14	<0.0750	0.89	0.176	N/A	N/A	N/A	N/A
	2	E6D	8	6	<0.10	2.9	0.5	-8	-0.87	19.14	no trend	16	14	<0.0750	2.9	0.2805	N/A	N/A	N/A	N/A
	2	E7D	8	5	<0.10	1.1	0.34	8	0.88	18.96	no trend	16	12	<0.0750	1.2	0.277	15	0.633	26.34	no trend
	2	E8D	8	7	<0.10	0.47	0.14	N/A	N/A	N/A	N/A	16	15	<0.0750	0.47	0.1044	N/A	N/A	N/A	N/A
	2	E9D	8	7	<0.0750	0.47	0.1322	N/A	N/A	N/A	N/A	16	15	<0.0750	0.47	0.1044	N/A	N/A	N/A	N/A
	2	E10D	8	6	<0.0750	0.6	0.1997	-2	-0.13	45.04	no trend	16	14	<0.0750	0.6	0.138	N/A	N/A	N/A	N/A
	2	N1D	4	3	<0.2	0.77	0.2675	-3	-0.72	23.51	no trend	131	88	<0.000030	0.77	0.1055	-4427	-8.807	0	decreasing
	2	N2D	8	1	<0.2	4.5	3.4	-2	-0.12	45.08	no trend	144	35	<0.000030	4.5	0.954	178	0.306	37.99	no trend
	2	N3D	4	4	<0.2	<0.2	<0.2	N/A	N/A	N/A	N/A	128	106	<0.000030	0.7	0.0722	-3484	-7.175	0	decreasing
	2	N5D	4	3	<0.0750	0.91	0.287	-1	0	50	no trend	69	64	<0.00070	0.91	0.03274	-420	-2.171	1.5	no trend
	2	NE1D	4	4	<0.2	<0.2	<0.2	N/A	N/A	N/A	N/A	68	37	<0.00250	3.86	0.0888	776	4.103	0	increasing
	2	S11D	4	4	<0.2	<0.2	<0.2	N/A	N/A	N/A	N/A	66	63	<0.00070	0.16	0.0236	-616	-3.405	0.03	decreasing
	WSW	DNR	8	3	<0.2	0.54	0.3175	19	2.244	1.24	no trend	82	40	<0.000030	0.56	0.0923	-1278	-5.115	0	decreasing
	WSW	DOT	4	4	<0.0750	<0.2	0.0844	N/A	N/A	N/A	N/A	115	111	<0.000030	0.3	0.0529	-2281	-5.512	0	decreasing
	WSW	WR1	8	1	<0.2	2.1	1.55	8	0.873	19.14	no trend	81	6	<0.012	2.1	1.016	1632	6.652	0	increasing

Table 6. Short and Long Term Statisitics for Select Parameters
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Sulfate (mg/L)	1	E1D	3	0	110	140	120	N/A	N/A	N/A	N/A	130	0	22	140	59.9	2928	5.891	0	increasing
	1	E2S	4	0	70	75	72.8	-4	-1.02	15.41	no trend	128	0	8	76	32.6	3815	7.856	0	increasing
	1	E4S	4	0	38	42	39.25	-1	0	50	no trend	46	0	24	63	36.85	672	6.355	0	increasing
	1	N2S	4	0	49	59	52.3	4	1.019	15.41	no trend	61	0	3	130	59.6	947	5.887	0	increasing
	1	N3S	4	0	42	55	46	4	1.019	15.41	no trend	129	0	15	56	41.5	2159	4.394	0	increasing
	1	NE1S	4	1	<0.6	110	75.3	2	0.34	36.71	no trend	68	1	<0.6	110	70	-6	-0.026	48.94	no trend
	1	S10S	4	0	73	80	76.3	0	0	50	no trend	70	0	33	131	95.9	-612	-3.098	0.1	decreasing
	1	S11S	4	0	29	32	30.5	0	0	50	no trend	65	0	25	32	28.46	1130	6.393	0	increasing
	2	E2D	4	0	78	82	79.8	2	0.34	36.71	no trend	126	0	0.8	82	31	2505	5.281	0	increasing
	2	E3D	4	0	15	16	15.5	-2	-0.34	36.71	no trend	75	0	13	28	15.56	841	3.843	0.01	increasing
	2	E4D	4	0	13	16	14	3	0.722	23.51	no trend	46	0	10	161	21.3	-470	-4.442	0	decreasing
	2	E5D	8	0	25	32	28.1	21	2.494	0.63	increasing	16	0	21	32	25.3	107	4.787	0	increasing
	2	E6D	8	0	21	32	29.25	-6	-0.62	26.65	no trend	16	0	21	38	32	-91	-4.06	0	decreasing
	2	E7D	8	0	210	340	271.3	18	2.103	1.77	no trend	16	0	130	340	216.3	104	4.647	0	increasing
	2	E8D	8	0	25	27	26	-2	-0.13	45	no trend	16	0	25	27	26.06	-11	-0.453	32.53	no trend
	2	E9D	8	0	18	22	19.25	4	0.374	35.42	no trend	16	0	18	22	19.56	-33	-1.445	7.42	no trend
	2	E10D	8	0	42	48	45.9	6	0.619	26.81	no trend	16	0	42	48	45.2	57	2.524	0.58	increasing
	2	N1D	4	0	140	160	147.5	-1	0	50	no trend	131	1	<0.04	190	85.4	7213	14.349	0	increasing
	2	N2D	8	0	26	73	64	9	0.99	16.12	no trend	144	0	2	73	38	7609	13.141	0	increasing
	2	N3D	4	0	24	28	25.75	0	0	50	no trend	128	0	0.6	51	19.75	5136	10.577	0	increasing
	2	N5D	4	0	75	82	78	3	0.679	24.85	no trend	69	0	30	82	47.2	2132	11.039	0	increasing
	2	NE1D	4	0	38	38	38	0	0	50	no trend	68	0	29	81	36.6	1146	6.062	0	increasing
	2	S11D	4	0	31	33	32	1	0	50	no trend	66	0	27	33	30.35	474	2.618	0.44	increasing
	WSW	DNR	8	0	55	71	58.8	20	2.351	0.94	increasing	82	0	16	71	39.15	2798	11.202	0	increasing
	WSW	DOT	4	0	23	27	24.5	3	0.679	24.85	no trend	115	0	10.1	32	17.28	3942	9.526	0	increasing
	WSW	WR1	8	0	45	53	47	11	1.247	10.63	no trend	81	0	36	53.4	44	-249	-1.012	15.59	no trend

Table 6. Short and Long Term Statisitics for Select Parameters
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Total Dissolved Solids (mg/L)	1	E1D	3	0	770	1000	903.3	N/A	N/A	N/A	N/A	68	0	770	1600	1126.8	-1761	-9.317	0	**decreasing**
	1	E2S	4	0	630	890	725	4	1.019	15.41	no trend	69	0	551	890	791.3	216	1.114	13.27	no trend
	1	E4S	4	0	510	700	582.5	4	1.019	15.41	no trend	46	0	510	711	647.1	206	1.941	2.61	no trend
	1	N2S	4	0	610	710	645	4	1.019	15.41	no trend	39	0	610	1136	952.8	-580	-7.005	0	**decreasing**
	1	N3S	4	0	500	710	572.5	6	1.698	4.47	no trend	67	0	500	724	655.6	-124	-0.666	25.28	no trend
	1	NE1S	4	0	460	680	552.5	2	0.34	36.71	no trend	68	0	380	680	521	-58	-0.302	38.14	no trend
	1	S10S	4	0	620	690	655	0	0	50	no trend	70	0	620	1410	967.6	-1743	-8.831	0	**decreasing**
	1	S11S	4	0	440	490	465	6	1.698	4.47	no trend	65	0	440	551	513.5	-384	-2.168	1.51	no trend
	2	E2D	4	0	750	840	797.5	4	1.019	15.41	no trend	69	0	452	1277	1084.4	-766	-3.962	0	**decreasing**
	2	E3D	4	0	320	390	360	2	0.34	36.71	no trend	69	0	320	450	413.3	479	2.476	0.66	**increasing**
	2	E4D	4	0	260	460	327.5	-2	-0.34	36.71	no trend	46	0	260	556	346.9	-659	-6.231	0	**decreasing**
	2	E5D	8	0	520	760	672.5	11	1.237	10.8	no trend	16	0	520	760	661.9	38	1.666	4.79	no trend
	2	E6D	8	0	290	460	337.5	11	1.237	10.8	no trend	16	0	290	460	341.3	-4	-0.135	44.62	no trend
	2	E7D	8	0	1100	1400	1250	18	2.119	1.7	no trend	16	0	910	1400	1165	79	3.522	0.02	**increasing**
	2	E8D	8	0	140	290	233.8	6	0.623	26.65	no trend	16	0	140	320	258.1	-36	-1.577	5.74	no trend
	2	E9D	8	0	120	270	215	-8	-0.87	19.33	no trend	16	0	120	300	238.1	-36	-1.577	5.74	no trend
	2	E10D	8	0	310	560	480	-3	-0.25	40.23	no trend	16	0	310	570	504.4	-23	-0.993	16.05	no trend
	2	N1D	4	0	740	840	790	2	0.34	36.71	no trend	68	0	740	1079	926.6	-700	-3.7	0.01	**decreasing**
	2	N2D	8	0	560	680	620	0	0	50	no trend	77	0	403	767	676	125	0.545	29.28	no trend
	2	N3D	4	0	320	360	340	0	0	50	no trend	68	0	298	400	361.4	692	3.658	0.01	**increasing**
	2	N5D	4	0	310	760	597.5	-2	-0.34	36.71	no trend	69	0	310	891	792	701	3.626	0.01	**increasing**
	2	NE1D	4	0	250	410	337.5	2	0.34	36.71	no trend	68	0	250	549	377.1	485	2.562	0.52	**increasing**
	2	S11D	4	0	440	610	500	4	1.019	15.41	no trend	66	0	440	610	528.8	-411	-2.269	1.16	no trend
	WSW	DNR	8	0	310	500	427.5	1	0	50	no trend	75	0	310	526	474.2	148	0.672	25.07	no trend
	WSW	DOT	4	0	190	420	335	4	1.019	15.41	no trend	69	0	190	430	370.4	874	4.522	0	**increasing**
	WSW	WR1	8	0	360	470	435	-1	0	50	no trend	66	0	360	633	471.9	-46	-0.249	40.17	no trend

Table 6. Short and Long Term Statisitics for Select Parameters
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Arsenic, Total (µg/L)	1	E1D	3	0	3.9	4.6	4.23	N/A	N/A	N/A	N/A	115	33	<0.110	<200	9.73	-2368	-5.722	0	decreasing
	1	E2S	4	0	1.2	1.4	1.3	3	0.679	24.85	no trend	117	37	<0.024	<200	10.43	-4371	-10.3	0	decreasing
	1	E4S	4	0	2.5	2.6	2.575	1	0	50	no trend	46	1	<0.50	4	2.586	30	0.275	39.18	no trend
	1	N2S	4	0	1	1.1	1.075	-3	-0.72	23.51	no trend	54	27	<0.030	<20	1.154	359	2.672	0.38	increasing
	1	N3S	4	0	2.1	2.5	2.375	-3	-0.72	23.51	no trend	114	43	<0.030	<200	8.79	-2285	-5.594	0	decreasing
	1	NE1S	4	0	2.1	2.5	2.25	-3	-0.68	24.85	no trend	68	0	2	6	2.87	-581	-3.071	0.11	decreasing
	1	S10S	4	0	2	2.2	2.075	-1	0	50	no trend	70	5	<0.030	3.6	1.955	610	3.088	0.1	increasing
	1	S11S	4	0	5.5	6.2	5.75	-2	-0.34	36.71	no trend	65	0	3	7	5.8	-417	-2.356	0.92	decreasing
	2	E2D	4	0	1.6	2	1.75	1	0	50	no trend	116	44	<0.030	<200	7.51	-2388	-5.696	0	decreasing
	2	E3D	4	0	6	6.5	6.2	-4	-1.02	15.41	no trend	75	0	2	10	6.6	-744	-3.399	0.03	decreasing
	2	E4D	4	0	16	17	16.5	-2	-0.34	36.71	no trend	46	0	3	26	17.15	-363	-3.429	0.03	decreasing
	2	E5D	8	1	<0.50	6.5	5.23	8	0.873	19.14	no trend	16	1	<0.50	7.4	5.77	-11	-0.451	32.61	no trend
	2	E6D	8	0	1.1	1.6	1.425	11	1.257	10.45	no trend	16	0	1.1	1.6	1.37	42	1.853	3.19	no trend
	2	E7D	8	0	1.5	2.3	1.975	-3	-0.25	40.23	no trend	16	0	1.5	3.7	2.113	-23	-0.99	16.1	no trend
	2	E8D	8	0	4.1	5.4	4.775	13	1.485	6.88	no trend	16	0	2.2	5.5	4.29	67	2.971	0.15	increasing
	2	E9D	8	0	20	22	20.88	7	0.754	22.55	no trend	16	0	18	22	20.44	47	2.077	1.89	no trend
	2	E10D	8	0	5.7	13	6.93	2	0.124	45.08	no trend	16	0	5.1	13	6.3	54	2.391	0.84	increasing
	2	N1D	4	0	4.7	5.7	5.18	-2	-0.34	36.71	no trend	116	34	<0.10	<200	9.7	-3129	-7.464	0	decreasing
	2	N2D	8	0	2.7	3.4	3.06	-3	-0.25	40.23	no trend	124	44	<0.10	<200	7.67	-2317	-5.003	0	decreasing
	2	N3D	4	0	7.6	8.8	8.18	-4	-1.02	15.41	no trend	113	29	<0.10	<200	12.4	-1580	-3.918	0	decreasing
	2	N5D	4	0	3	3.5	3.275	-2	-0.34	36.71	no trend	69	0	3	9	4.13	-1002	-5.186	0	decreasing
	2	NE1D	4	0	7.2	7.8	7.45	-2	-0.34	36.71	no trend	68	1	<0.50	9	6.84	665	3.516	0.02	increasing
	2	S11D	4	0	7.1	8.1	7.7	-2	-0.34	36.71	no trend	66	0	3	9.6	7.83	-265	-1.461	7.2	no trend
	WSW	DNR	8	0	3.5	4	3.775	-14	-1.61	5.39	no trend	82	0	3.2	12	5.51	-1488	-5.955	0	decreasing
	WSW	DOT	4	0	6.2	6.8	6.45	-4	-1.02	15.41	no trend	115	32	<0.024	<200	10.76	-2360	-5.703	0	decreasing
	WSW	WR1	8	0	3	3.7	3.35	-12	-1.36	8.68	no trend	81	16	<0.030	5	2.63	594	2.419	0.78	increasing

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2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Iron, Total (mg/L)	1	E1D	3	3	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	112	78	<0.0010	3.89	0.0926	-2886	-7.255	0	**decreasing**
	1	E2S	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	114	20	<0.00130	23	2.67	-3803	-9.311	0	**decreasing**
	1	E4S	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	45	40	<0.0010	0.12	0.03685	-517	-5.052	0	**decreasing**
	1	N2S	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	52	47	<0.002	3.6	0.106	N/A	N/A	N/A	N/A
	1	N3S	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	111	53	<0.0010	16	1.155	-3143	-8.008	0	**decreasing**
	1	NE1S	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	68	52	<0.0010	0.22	0.0428	-1002	-5.3	0	**decreasing**
	1	S10S	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	70	47	<0.0010	2.05	0.1365	-1365	-6.917	0	**decreasing**
	1	S11S	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	65	17	<0.002	0.25	0.1138	777	4.394	0	**increasing**
	2	E2D	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	110	73	<0.0010	23	0.3045	-3305	-8.535	0	**decreasing**
	2	E3D	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	74	49	<0.0010	0.3	0.04715	-1543	-7.198	0	**decreasing**
	2	E4D	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	46	16	<0.150	3.41	0.685	-542	-5.124	0	**decreasing**
	2	E5D	8	0	1.8	2	1.888	5	0.499	30.9	no trend	16	0	1.4	2.2	1.788	69	3.068	0.11	**increasing**
	2	E6D	8	0	1.2	1.7	1.463	17	1.995	2.3	no trend	16	0	0.32	1.7	1.126	99	4.417	0	**increasing**
	2	E7D	8	8	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	16	14	<0.150	0.3	0.1031	N/A	N/A	N/A	N/A
	2	E8D	8	0	1	1.4	1.275	-7	-0.75	22.72	no trend	16	0	1	1.6	1.325	-33	-1.445	7.42	no trend
	2	E9D	8	8	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	16	16	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A
	2	E10D	8	0	0.86	1.1	0.955	-20	-2.37	0.89	**decreasing**	16	1	<0.150	1.5	1.038	-75	-3.335	0.04	**decreasing**
	2	N1D	4	3	<0.150	0.34	0.1413	-3	-0.72	23.51	no trend	113	6	<0.0012	2.77	0.471	-878	-2.176	1.48	no trend
	2	N2D	8	8	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	120	82	<0.0012	1.85	0.0736	-3461	-7.849	0	**decreasing**
	2	N3D	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	110	17	<0.0012	2.04	0.333	-2607	-6.732	0	**decreasing**
	2	N5D	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	69	60	<0.0010	<0.18	0.02646	-910	-4.71	0	**decreasing**
	2	NE1D	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	68	31	<0.0010	3.92	0.1726	-1189	-6.29	0	**decreasing**
	2	S11D	4	4	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	66	15	<0.150	2.27	0.4076	-688	-3.802	0.01	**decreasing**
	WSW	DNR	8	8	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	82	16	<0.150	15.1	0.5	-712	-2.847	0.22	**decreasing**
	WSW	DOT	4	1	<0.150	0.71	0.454	0	0	50	no trend	112	8	<0.010	0.854	0.2625	645	1.619	5.27	no trend
	WSW	WR1	8	8	<0.150	<0.150	<0.150	N/A	N/A	N/A	N/A	81	46	<0.0012	2.13	0.1146	-1435	-5.849	0	**decreasing**

Table 6. Short and Long Term Statisitics for Select Parameters
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Manganese, Total (mg/L)	1	E1D	3	0	0.044	0.052	0.0493	N/A	N/A	N/A	N/A	112	3	<0.0010	0.394	0.0466	1572	3.95	0	increasing
	1	E2S	4	0	0.42	0.5	0.4725	4	1.019	15.41	no trend	114	1	<0.0000282	2.8	0.945	-1242	-3.039	0.12	decreasing
	1	E4S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	46	20	<0	0.484	0.0226	-665	-6.29	0	decreasing
	1	N2S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	52	12	<0.00170	0.283	0.0564	-253	-1.989	2.34	no trend
	1	N3S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	111	30	<0.0000282	0.34	0.02475	-2921	-7.442	0	decreasing
	1	NE1S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	68	33	<0	0.329	0.01229	-1280	-6.772	0	decreasing
	1	S10S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	70	8	<0.010	0.365	0.108	-2074	-10.51	0	decreasing
	1	S11S	4	0	0.19	0.22	0.2	1	0	50	no trend	65	0	0.01	0.271	0.187	807	4.563	0	increasing
	2	E2D	4	0	0.053	0.064	0.0583	1	0	50	no trend	111	27	<0.000090	2	0.055	2795	7.121	0	increasing
	2	E3D	4	0	0.27	0.3	0.2825	-1	0	50	no trend	74	0	0.07	0.344	0.242	910	4.242	0	increasing
	2	E4D	4	0	0.067	0.081	0.0753	2	0.34	36.71	no trend	46	0	0.002	0.393	0.1001	-574	-5.425	0	decreasing
	2	E5D	8	0	0.22	0.29	0.254	0	0	50	no trend	16	0	0.21	0.29	0.243	48	2.118	1.71	no trend
	2	E6D	8	0	0.51	0.6	0.56	-14	-1.63	5.12	no trend	16	0	0.51	0.73	0.622	-89	-3.97	0	decreasing
	2	E7D	8	0	0.69	0.79	0.74	12	1.361	8.68	no trend	16	0	0.58	0.79	0.706	76	3.377	0.04	increasing
	2	E8D	8	0	0.28	0.31	0.294	7	0.742	22.9	no trend	16	0	0.28	0.35	0.311	-49	-2.165	1.52	no trend
	2	E9D	8	0	0.032	0.05	0.0419	-16	-1.86	3.17	no trend	16	0	0.032	0.059	0.0469	-67	-2.971	0.15	decreasing
	2	E10D	8	0	0.073	0.084	0.0808	-8	-0.87	19.14	no trend	16	0	0.073	0.095	0.0845	-64	-2.839	0.23	decreasing
	2	N1D	4	0	0.31	0.32	0.3175	-1	0	50	no trend	113	0	0.002	0.96	0.1935	3816	9.466	0	increasing
	2	N2D	8	7	<0.010	0.026	0.00763	N/A	N/A	N/A	N/A	120	60	<0.000030	0.041	0.00754	724	1.64	5.05	no trend
	2	N3D	4	0	0.025	0.032	0.028	-3	-0.68	24.85	no trend	110	0	0.009	0.25	0.0511	-1316	-3.397	0.03	decreasing
	2	N5D	4	0	0.15	0.16	0.155	-2	-0.34	36.71	no trend	69	1	<0.0000282	0.265	0.181	1044	5.402	0	increasing
	2	NE1D	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	68	15	<0.00170	0.378	0.031	-1485	-7.857	0	decreasing
	2	S11D	4	0	0.14	0.17	0.1525	-1	0	50	no trend	66	0	0.078	0.22	0.1634	-246	-1.356	8.76	no trend
	WSW	DNR	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	82	15	<0.010	0.147	0.0785	-662	-2.647	0.41	decreasing
	WSW	DOT	4	0	0.14	0.16	0.1525	3	0.722	23.51	no trend	112	0	0.062	0.17	0.1315	1279	3.214	0.07	increasing
	WSW	WR1	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	81	49	<0	0.09	0.00488	-1403	-5.719	0	decreasing

Table 6. Short and Long Term Statisitics for Select Parameters
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Parameter	Aquifer	Station	Short Term Statistics (2020-2021)									Long Term Statistics (1985-2021)								
			Summary Statistics					Mann-Kendall Trend Analysis				Summary Statistics					Mann-Kendall Trend Analysis			
			N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result	N	# of NDs	Min	Max	Mean[a]	S	Z	Probability	Result
Vinyl Chloride (µg/L)	1	E1D	3	0	0.035	0.23	0.1617	N/A	N/A	N/A	N/A	79	17	<0.010	<3.0	0.3816	-58	-0.241	40.47	no trend
	1	E2S	4	3	<0.010	0.031	0.0115	1	0	50	no trend	92	8	<0.010	2.98	0.943	-2774	-9.353	0	decreasing
	1	E4S	4	0	0.051	0.52	0.2478	-6	-1.7	4.47	no trend	46	29	<0.00590	0.52	0.0591	336	3.174	0.08	increasing
	1	N2S	4	2	<0.010	0.1	0.04825	3	0.679	24.85	no trend	52	5	<0.010	7.9	2.51	-795	-6.266	0	decreasing
	1	N3S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	85	78	<0.00590	<3.0	0.0998	N/A	N/A	N/A	N/A
	1	NE1S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	68	64	<0.00590	0.26	0.02507	N/A	N/A	N/A	N/A
	1	S10S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	70	16	<0.010	7.71	1.63	-2115	-10.72	0	decreasing
	1	S11S	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	65	61	<0.00590	0.26	0.02135	N/A	N/A	N/A	N/A
	2	E2D	8	0	16	30	23.88	-1	0	50	no trend	93	9	<0.010	53.6	17.3	1869	6.2	0	increasing
	2	E3D	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	75	68	<0.00590	0.26	0.0405	N/A	N/A	N/A	N/A
	2	E4D	8	7	<0.010	0.02	0.00688	N/A	N/A	N/A	N/A	58	26	<0.010	0.26	0.03805	-894	-5.992	0	decreasing
	2	E5D	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	33	27	<0.00590	0.4	0.0442	N/A	N/A	N/A	N/A
	2	E6D	8	6	<0.010	0.037	0.01113	-5	-0.51	30.62	no trend	33	12	<0.010	0.4	0.0598	-294	-4.543	0	decreasing
	2	E7D	8	1	<0.010	3.6	2.476	-1	0	50	no trend	34	1	<0.010	18.1	5.82	-416	-6.153	0	decreasing
	2	E8D	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	33	25	<0.00590	0.4	0.0409	-205	-3.165	0.08	decreasing
	2	E9D	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	21	21	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A
	2	E10D	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	21	21	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A
	2	N1D	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	81	77	<0.00590	<3.0	0.1038	N/A	N/A	N/A	N/A
	2	N2D	8	5	<0.010	0.045	0.01513	-6	-0.63	26.49	no trend	96	27	<0.010	<3.0	0.1041	-698	-2.206	1.37	no trend
	2	N3D	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	79	75	<0.00590	<3.0	0.085	N/A	N/A	N/A	N/A
	2	N5D	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	69	18	<0.010	0.26	0.0326	-180	-0.927	17.69	no trend
	2	NE1D	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	68	64	<0.00590	0.26	0.02507	N/A	N/A	N/A	N/A
	2	S11D	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	67	63	<0.00590	0.26	0.02537	N/A	N/A	N/A	N/A
	WSW	DNR	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	82	78	<0.00590	0.26	0.0396	N/A	N/A	N/A	N/A
	WSW	DOT	4	4	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	77	73	<0.00590	<3.0	0.0775	N/A	N/A	N/A	N/A
	WSW	WR1	8	8	<0.010	<0.010	<0.010	N/A	N/A	N/A	N/A	81	77	<0.00590	0.26	0.065	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
2021 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	2/3/2021 10:13	38.1	16.9	0.7	44.3	49	-41.1	-41.1	2.117	64	63	
IC-BL-LG	3/16/2021 10:33	36	16	0.2	47.8	46.2	-40.59	-40.58	2.269	66.7	65.5	
IC-BL-LG	4/14/2021 12:49	36.1	16.2	0.3	47.4	61	-39.9	-39.9	1.99	61	59	
IC-BL-LG	5/26/2021 12:30	41	17.6	0.5	40.9	70	-38.1	-38.1	2.205	64	64	
IC-BL-LG	7/6/2021 12:21	42.8	18.6	0.3	38.3	76	-37	-37	2.057	62	62	
IC-BL-LG	9/8/2021 11:57	46.4	20	1	32.6	76.2	-37.79	-37.83	2.06	62.7	62.4	
IC-BL-LG	11/2/2021 11:04	47.4	19.6	0.6	32.4	58.7	-39.39	-39.37	2.037	63.5	63.3	
IC-BL-LG	12/1/2021 11:03	48.3	18	0.6	33.1	58.8	-21.8	-21.81	4.147	93.4	93.4	
IC-BL-SV	2/3/2021 10:16	3.8	15.2	2.5	78.5	49	-35.8	-35.8	3.515	77	79	
IC-BL-SV	3/16/2021 10:30	2.2	13.2	3.8	80.8	45.6	-33.05	-33.09	3.967	83.5	83.9	
IC-BL-SV	4/14/2021 12:47	1.9	12.7	4.6	80.8	63	-32.9	-32.8	3.773	80	79	
IC-BL-SV	5/26/2021 12:29	2.4	13.3	4	80.3	69	-31.3	-31.8	3.837	80	81	
IC-BL-SV	7/6/2021 12:18	4.6	13.4	2.8	79.2	76	-30.9	-30.9	3.689	78	78	
IC-BL-SV	9/8/2021 11:59	7	13.9	3.1	76	73.4	-31.8	-31.75	3.735	79.6	79.9	
IC-BL-SV	11/2/2021 11:02	3.3	14.1	3.6	79	56.1	-33.94	-34	3.824	81	80.3	
IC-BL-SV	12/1/2021 11:01	4.1	15.3	0.9	79.7	59.1	-35.8	-35.78	3.485	76.9	76.8	
IC-FL-IN	2/3/2021 10:21	37.9	17	0.7	44.4	48	1	1	0.14	65	64	
IC-FL-IN	3/16/2021 10:41	35.9	15.9	0.3	47.9	46.6	1.13	1.13	0.143	66	67	
IC-FL-IN	4/14/2021 12:59	36.6	16.2	0.4	46.8	61	1	0.9	0.14	64	62	
IC-FL-IN	5/26/2021 12:37	41.2	17.6	0.4	40.8	71	1	1.1	0.133	62	62	
IC-FL-IN	7/6/2021 12:28	42.7	18.4	0.4	38.5	73	1.2	1.1	0.158	68	63	
IC-FL-IN	9/8/2021 12:04	46.3	20.1	1.1	32.5	77.4	1.11	1.1	0.13	61.8	62.4	
IC-FL-IN	11/2/2021 11:14	46	18.8	0.7	34.5	61.5	1.13	1.13	0.154	68.5	69.5	
IC-FL-IN	12/1/2021 11:07	48.1	17.8	0.7	33.4	60.9	1.87	1.86	0.328	101	101.4	
IC-GP11D	2/3/2021 13:34	0	2	18.3	79.7							
IC-GP11D	4/15/2021 7:52	0	1.8	19.3	78.9							
IC-GP11D	7/6/2021 13:19	0	1.5	19.1	79.4							
IC-GP11D	11/3/2021 9:18	0	1.6	19.6	78.8							
IC-GP11S	2/3/2021 13:33	0	2.3	18	79.7							
IC-GP11S	4/15/2021 7:50	0	1.9	18.9	79.2							
IC-GP11S	7/6/2021 13:19	0	1.5	19.2	79.3							
IC-GP11S	11/3/2021 9:14	0.1	2.2	18.6	79.1							
IC-GP13D	2/3/2021 11:06	0	1.2	18.8	80							
IC-GP13D	4/14/2021 10:41	0	1.6	19	79.4							
IC-GP13D	7/7/2021 7:57	0	1.8	19.1	79.1							
IC-GP13D	11/3/2021 9:57	0	1.7	19.2	79.1							
IC-GP13S	2/3/2021 11:05	0	0.3	20	79.7							
IC-GP13S	4/14/2021 10:40	0	2.2	18.3	79.5							
IC-GP13S	7/7/2021 7:56	0	2.3	19.4	78.3							
IC-GP13S	11/3/2021 9:54	0	1.4	19.6	79							
IC-GP15D	2/3/2021 10:29	0.2	6.5	12.7	80.6							
IC-GP15D	3/16/2021 8:00	0	4.6	15.5	79.9							
IC-GP15D	4/14/2021 9:34	0	3	17.1	79.9							
IC-GP15D	5/26/2021 9:40	0	4.3	15.4	80.3							
IC-GP15D	7/6/2021 9:55	0	2.6	17.3	80.1							
IC-GP15D	9/8/2021 8:15	0.3	3.8	15	80.9							
IC-GP15D	11/2/2021 7:59	0.2	3.9	16.4	79.5							
IC-GP15D	12/1/2021 8:26	0	6.1	13	80.9							
IC-GP15S	2/3/2021 10:28	0.3	3.2	17.6	78.9							
IC-GP15S	3/16/2021 7:58	0	2.5	17.7	79.8							

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2021 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-GP15S	4/14/2021 9:33	0	2.9	17.9	79.2							
IC-GP15S	5/26/2021 9:39	0	3.7	16.1	80.2							
IC-GP15S	7/6/2021 9:54	0	3.7	16	80.3							
IC-GP15S	9/8/2021 8:13	0.3	4.1	14.2	81.4							
IC-GP15S	11/2/2021 7:58	0.2	5.9	13.8	80.1							
IC-GP15S	12/1/2021 8:24	0	4.1	14.9	81							
IC-GP17D	2/3/2021 10:38	0	4.6	15.9	79.5							
IC-GP17D	3/16/2021 8:07	0	3.4	17.6	79							
IC-GP17D	4/14/2021 9:49	0	2.9	18.5	78.6							
IC-GP17D	5/26/2021 10:31	0	2.6	17.3	80.1							
IC-GP17D	7/6/2021 10:01	0	1.7	19	79.3							
IC-GP17D	9/8/2021 8:21	0.3	1.7	17.7	80.3							
IC-GP17D	11/2/2021 8:06	0.2	3	17.6	79.2							
IC-GP17D	12/1/2021 8:31	0	3.8	16.1	80.1							
IC-GP17S	2/3/2021 10:35	0	2.7	17.5	79.8							
IC-GP17S	3/16/2021 8:05	0	2.3	18.9	78.8							
IC-GP17S	4/14/2021 9:47	0	2.4	19.5	78.1							
IC-GP17S	5/26/2021 9:51	0	2.5	18	79.5							
IC-GP17S	7/6/2021 9:59	0	3.3	17.7	79							
IC-GP17S	9/8/2021 8:19	0.3	1.2	19.1	79.4							
IC-GP17S	11/2/2021 8:04	0.2	2.2	18.9	78.7							
IC-GP17S	12/1/2021 8:29	0	2.3	17.7	80							
IC-GP-1D	2/3/2021 8:04	0	1.9	19.2	78.9							
IC-GP-1D	4/15/2021 7:28	0	2.6	18.8	78.6							
IC-GP-1D	7/6/2021 9:10	0	2	19	79							
IC-GP-1D	11/2/2021 13:21	0	0.2	20.9	78.9							
IC-GP-1S	2/3/2021 8:01	0	1.3	19.8	78.9							
IC-GP-1S	4/15/2021 7:23	0	1.8	19.2	79							
IC-GP-1S	7/6/2021 9:07	0	2	18.9	79.1							
IC-GP-1S	11/2/2021 13:21	0	0.7	20.5	78.8							
ICGP2018	2/3/2021 11:13	0	2.7	17.7	79.6							
ICGP2018	4/14/2021 11:01	0	3.6	17	79.4							
ICGP2018	7/6/2021 13:31	0	3.4	17.1	79.5							
ICGP2018	11/3/2021 10:13	0	3	18.3	78.7							
ICGP2038	2/3/2021 11:16	0	5.5	14.5	80							
ICGP2038	4/14/2021 11:09	0	6	13.9	80.1							
ICGP2038	7/6/2021 13:38	0	6	13.2	80.8							
ICGP2038	11/3/2021 10:20	0	6.4	14.4	79.2							
ICGP2058	2/3/2021 11:19	0	0.3	19.8	79.9							
ICGP2058	4/14/2021 11:16	0	7.8	11.4	80.8							
ICGP2058	7/6/2021 13:45	0	7.7	10.9	81.4							
ICGP2058	11/3/2021 10:27	0	8	11.9	80.1							
ICGP2078	2/3/2021 11:23	0	7.9	10.8	81.3							
ICGP2078	4/14/2021 11:22	0	8.2	9.5	82.3							
ICGP2078	7/6/2021 13:54	0	8.8	8.6	82.6							
ICGP2078	11/3/2021 10:33	0	9.1	9.6	81.3							
ICGP2098	2/3/2021 11:26	0	0.3	19.6	80.1							
ICGP2098	4/15/2021 9:34	0	8.9	9.5	81.6							
ICGP2098	7/6/2021 14:01	0	8.1	8.4	83.5							
ICGP2098	11/3/2021 10:40	0	8.6	9.2	82.2							

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2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

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ICGP2118	2/3/2021 14:11	0	4.4	15.9	79.7							
ICGP2118	4/15/2021 8:16	0	2.5	18.9	78.6							
ICGP2118	7/6/2021 14:09	0	2.2	17.4	80.4							
ICGP2118	11/3/2021 8:18	0	3.2	17.4	79.4							
ICGP2138	2/3/2021 14:19	0	4	16.9	79.1							
ICGP2138	4/15/2021 8:23	0	3.8	17.4	78.8							
ICGP2138	7/6/2021 14:17	0	3.2	16.7	80.1							
ICGP2138	11/3/2021 8:25	0.1	3.8	16.8	79.3							
ICGP2158	2/3/2021 14:25	0	4.4	16.2	79.4							
ICGP2158	4/15/2021 8:31	0	4.5	16.4	79.1							
ICGP2158	7/6/2021 14:25	0	3.9	16	80.1							
ICGP2158	11/3/2021 8:30	0.1	4.4	16.1	79.4							
ICGP2178	2/3/2021 14:30	0	4.4	16.3	79.3							
ICGP2178	4/15/2021 8:37	0	4.6	16	79.4							
ICGP2178	7/6/2021 14:32	0	3.9	15.9	80.2							
ICGP2178	11/3/2021 8:38	0.1	5.1	15.1	79.7							
ICGP2198	2/3/2021 10:56	0	2.4	17.7	79.9							
ICGP2198	2/3/2021 14:35	0	5.3	14.7	80							
ICGP2198	4/15/2021 8:43	0	4.6	15.8	79.6							
ICGP2198	7/6/2021 14:37	0	4	15.6	80.4							
ICGP2198	11/3/2021 8:47	0.1	5.2	14.5	80.2							
IC-GP-22	2/3/2021 10:50	0	2.4	18.6	79							
IC-GP-22	4/15/2021 8:54	0	1.6	19.9	78.5							
IC-GP-22	7/7/2021 7:44	0	2.2	19	78.8							
IC-GP-22	11/3/2021 8:06	0	2.3	18.3	79.4							
ICGP2318	2/3/2021 8:18	0	2.3	18.9	78.8							
ICGP2318	4/14/2021 8:53	0	5.8	14.8	79.4							
ICGP2318	4/14/2021 9:00	0	2.3	19.1	78.6							
ICGP2318	7/6/2021 9:22	0	2.8	18.3	78.9							
ICGP2318	11/2/2021 13:31	0	3	18.3	78.7							
ICGP2338	2/3/2021 8:24	0	3	18.3	78.7							
ICGP2338	4/14/2021 9:10	0	3	18.6	78.4							
ICGP2338	7/6/2021 9:34	0	2.8	18	79.2							
ICGP2338	11/2/2021 13:38	0	3.2	18.1	78.7							
ICGP2358	2/3/2021 8:30	0	1.5	19.9	78.6							
ICGP2358	4/14/2021 9:15	0	2.2	18.6	79.2							
ICGP2358	7/6/2021 9:41	0	2.9	17.9	79.2							
ICGP2358	11/2/2021 13:45	0	3	18.1	78.9							
ICGP2378	2/3/2021 8:36	0	0.1	20.9	79							
ICGP2378	4/14/2021 9:20	0	3.3	17.5	79.2							
ICGP2378	7/6/2021 9:45	0	0.2	20.6	79.2							
ICGP2378	11/2/2021 13:57	0	3.1	17.7	79.2							
ICGP2398	2/3/2021 8:43	0	3.3	17.1	79.6							
ICGP2398	4/14/2021 9:28	0	3.3	17.5	79.2							
ICGP2398	7/6/2021 9:49	0	2.7	17.5	79.8							
ICGP2398	11/2/2021 14:04	0	3.3	17.2	79.5							
ICGP2418	2/2/2021 13:16	0	3.2	17.7	79.1							
ICGP2418	4/13/2021 14:30	0	2.2	18	79.8							
ICGP2418	7/6/2021 8:32	0	3.2	17.4	79.4							
ICGP2418	11/2/2021 12:45	0	3	18.3	78.7							

Table 7. Landfill Gas Monitoring Data
2021 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
ICGP2438	2/2/2021 13:20	0	4.4	16.3	79.3							
ICGP2438	4/13/2021 14:34	0	3.6	16	80.4							
ICGP2438	7/6/2021 8:40	0	3.9	16.3	79.8							
ICGP2438	11/2/2021 12:51	0	4.3	16	79.7							
ICGP2458	2/2/2021 13:24	0	1.4	19.8	78.8							
ICGP2458	4/13/2021 14:39	0	4.6	14.8	80.6							
ICGP2458	7/6/2021 8:46	0	4.5	15.3	80.2							
ICGP2458	11/2/2021 12:58	0	4.7	15.4	79.9							
ICGP2478	2/2/2021 13:29	0	1.1	20.3	78.6							
ICGP2478	4/13/2021 14:43	0	0.6	19.8	79.6							
ICGP2478	7/6/2021 8:52	0	1.1	19.9	79							
ICGP2478	11/2/2021 13:08	0	5.2	14.4	80.4							
ICGP2498	2/2/2021 13:37	0	0.3	20.6	79.1							
ICGP2498	4/13/2021 14:51	0	5.6	11.9	82.5							
ICGP2498	7/6/2021 8:58	0	0.2	20.6	79.2							
ICGP2498	11/2/2021 13:13	0	0.2	20.9	78.9							
ICGP2518	2/2/2021 12:22	0.3	6.3	15.2	78.2							
ICGP2518	4/13/2021 13:50	0	6.6	14.2	79.2							
ICGP2518	7/6/2021 7:40	0	9.2	12.5	78.3							
ICGP2518	11/2/2021 12:04	0.2	6.8	14.6	78.4							
ICGP2538	2/2/2021 12:30	0.3	6.2	15.8	77.7							
ICGP2538	4/13/2021 13:55	0	5.5	15.1	79.4							
ICGP2538	7/6/2021 7:47	0	6.2	14.6	79.2							
ICGP2538	11/2/2021 12:12	0	6.7	14.8	78.5							
ICGP2558	2/2/2021 12:41	0	6.3	15	78.7							
ICGP2558	4/13/2021 14:00	0	5.6	14.6	79.8							
ICGP2558	7/6/2021 7:50	0	5.3	15.2	79.5							
ICGP2558	11/2/2021 12:19	0	5.7	15.1	79.2							
ICGP2578	2/2/2021 12:49	0	6.3	14.6	79.1							
ICGP2578	4/13/2021 14:06	0	6	14	80							
ICGP2578	7/6/2021 7:57	0	6.1	14.7	79.2							
ICGP2578	11/2/2021 12:25	0	5.7	15.1	79.2							
ICGP2598	2/2/2021 12:57	0	0.6	20.8	78.6							
ICGP2598	4/13/2021 14:13	0	5.5	13.6	80.9							
ICGP2598	7/6/2021 8:06	0	5.9	14.4	79.7							
ICGP2598	11/2/2021 12:32	0	5.3	15.1	79.6							
ICGP2618	2/3/2021 13:47	0	4.3	15.2	80.5							
ICGP2618	4/14/2021 13:55	0	4.1	15.1	80.8							
ICGP2618	7/7/2021 8:33	0	3	15.8	81.2							
ICGP2618	11/3/2021 9:34	0	4.2	15.2	80.6							
ICGP2638	2/3/2021 13:54	0	2.4	17.9	79.7							
ICGP2638	4/14/2021 14:00	0	2.4	17.6	80							
ICGP2638	7/7/2021 8:36	0	2.9	17.3	79.8							
ICGP2638	11/3/2021 9:38	0	3.1	17.5	79.4							
ICGP2658	2/3/2021 14:00	0	4.2	14.7	81.1							
ICGP2658	4/14/2021 14:05	0	3.3	14.8	81.9							
ICGP2658	7/7/2021 8:43	0	3.2	14.6	82.2							
ICGP2658	11/3/2021 9:45	0	3.1	14.8	82.1							
IC-GP-27	2/3/2021 11:10	0	0.3	19.7	80							
IC-GP-27	4/14/2021 10:47	0	8.6	10.5	80.9							

Table 7. Landfill Gas Monitoring Data
2021 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-GP-27	7/6/2021 14:47	0	8.9	9.9	81.2							
IC-GP-27	11/3/2021 10:04	0	8.9	10.7	80.4							
IC-GP-28	2/3/2021 14:06	0	7.4	12.2	80.4							
IC-GP-28	4/15/2021 8:06	0	6.9	12.4	80.7							
IC-GP-28	7/7/2021 7:50	0	7.4	12.3	80.3							
IC-GP-28	11/3/2021 8:11	0	7.2	12.4	80.4							
ICGP2998	2/3/2021 10:56	0	2.4	17.7	79.9							
ICGP2998	4/15/2021 8:51	0	3.4	16.6	80							
ICGP2998	7/7/2021 7:42	0	4.5	15.2	80.3							
ICGP2998	11/3/2021 8:03	0.1	4.5	14.7	80.7							
ICGP3018	2/3/2021 12:45	52.7	10	1.9	35.4							
ICGP3018	3/16/2021 8:27	44	4.8	0	51.2							
ICGP3018	4/14/2021 9:56	42.3	4.6	0.2	52.9							
ICGP3018	5/26/2021 10:50	45.4	4.3	0	50.3							
ICGP3018	7/6/2021 10:18	44.4	4.3	0	51.3							
ICGP3018	9/8/2021 8:57	49.6	6.4	0.8	43.2							
ICGP3018	11/2/2021 8:30	51.2	7.7	0.4	40.7							
ICGP3018	12/1/2021 8:45	47.1	6	0.1	46.8							
ICGP3038	2/3/2021 12:51	34.9	10.9	0	54.2							
ICGP3038	3/16/2021 8:31	27.2	9.1	0	63.7							
ICGP3038	4/14/2021 10:02	26.1	9.4	0	64.5							
ICGP3038	5/26/2021 10:57	30.1	8.6	0	61.3							
ICGP3038	7/6/2021 10:23	29.3	8.5	0	62.2							
ICGP3038	9/8/2021 9:03	32.9	9.1	0	58							
ICGP3038	11/2/2021 8:33	32.9	8.4	0	58.7							
ICGP3038	12/1/2021 8:55	29.6	8.6	0	61.8							
ICGP3069	2/3/2021 12:58	9	19.6	0	71.4							
ICGP3069	3/16/2021 8:36	8.6	18.5	0.1	72.8							
ICGP3069	4/14/2021 10:10	8.3	19.2	0	72.5							
ICGP3069	5/26/2021 11:08	9	18.8	0	72.2							
ICGP3069	7/6/2021 10:29	7.9	18.1	0	74							
ICGP3069	9/8/2021 9:10	8.8	18.8	0	72.4							
ICGP3069	11/2/2021 8:39	9.6	18.7	0	71.7							
ICGP3069	12/1/2021 9:01	9	17.5	0	73.5							
ICGP3081	2/3/2021 13:06	6.2	19.6	0	74.2							
ICGP3081	3/16/2021 8:42	5.7	18.7	0	75.6							
ICGP3081	4/14/2021 10:20	5.7	18.7	0	75.6							
ICGP3081	5/26/2021 11:15	6.8	18.6	0	74.6							
ICGP3081	7/6/2021 10:37	5.6	18.6	0	75.8							
ICGP3081	9/8/2021 9:16	6.1	18.5	0	75.4							
ICGP3081	11/2/2021 8:45	6.4	18.7	0	74.9							
ICGP3081	12/1/2021 9:08	5.7	17.5	0	76.8							
ICGP3092	2/3/2021 13:22	4.5	19.1	0	76.4							
ICGP3092	3/16/2021 8:48	4.3	18.4	0	77.3							
ICGP3092	4/14/2021 10:28	3.9	17.4	0	78.7							
ICGP3092	5/26/2021 11:25	5.3	18.5	0	76.2							
ICGP3092	7/7/2021 8:15	0.3	2.4	20.3	77							
ICGP3092	9/8/2021 9:25	4.6	18.1	0	77.3							
ICGP3092	11/2/2021 8:53	4.6	18.5	0	76.9							
ICGP3092	12/1/2021 9:15	3.8	17.2	0	79							

Table 7. Landfill Gas Monitoring Data
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

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IC-GP-6D	2/2/2021 13:10	0	1.4	20	78.6							
IC-GP-6D	4/13/2021 14:24	0	1.4	18.7	79.9							
IC-GP-6D	5/26/2021 9:34	0	6.9	12.7	80.4							
IC-GP-6D	7/6/2021 8:22	0	0.1	20.9	79							
IC-GP-6D	11/2/2021 12:38	0	0.3	20.9	78.8							
IC-GP-6S	2/2/2021 13:05	0	1.5	19.5	79							
IC-GP-6S	4/13/2021 14:21	0	2.4	17.5	80.1							
IC-GP-6S	5/26/2021 9:32	0	7.8	10.9	81.3							
IC-GP-6S	7/6/2021 8:14	0	2.2	19.1	78.7							
IC-GP-6S	11/2/2021 12:35	0	3.6	17.3	79.1							
IC-GPS6D	2/3/2021 10:44	0	6.9	13.1	80							
IC-GPS6D	3/16/2021 8:16	0	5.8	14.3	79.9							
IC-GPS6D	4/14/2021 8:50	0	6	14.6	79.4							
IC-GPS6D	7/6/2021 10:10	0	7.5	12.9	79.6							
IC-GPS6D	9/8/2021 8:40	0.3	4.9	14.6	80.2							
IC-GPS6D	11/2/2021 8:15	0.2	8.9	11.6	79.3							
IC-GPS6D	12/1/2021 8:35	0	0.6	19.6	79.8							
IC-GPS6S	2/3/2021 10:42	0	0.4	20.4	79.2							
IC-GPS6S	3/16/2021 8:14	0	2.8	17.5	79.7							
IC-GPS6S	4/14/2021 8:36	0	3.7	16	80.3							
IC-GPS6S	7/6/2021 10:05	0	4.7	13.2	82.1							
IC-GPS6S	9/8/2021 8:37	0.3	6.7	13.1	79.9							
IC-GPS6S	11/2/2021 8:13	0.2	0.6	20.5	78.7							
IC-GPS6S	12/1/2021 8:34	0	9.9	7.3	82.8							
IC-GP-W1	2/3/2021 13:27	0.1	0.9	18.9	80.1							
IC-GP-W1	4/15/2021 7:37	0	1.6	20.4	78							
IC-GP-W1	7/6/2021 13:13	0	1.2	19.2	79.6							
IC-GP-W1	7/6/2021 13:13	0	1.2	19.2	79.6							
IC-GP-W1	11/3/2021 8:59	0.1	1.1	19.7	79.1							
IC-HGW-1	2/3/2021 8:55	12.1	15.9	0.6	71.4	47	0	0	-0.012	<<>>	<<>>	-4.59
IC-HGW-1	3/16/2021 9:01	17.3	16	0	66.7	44	-0.03	-0.03	-0.001	0	0	-2.92
IC-HGW-1	4/14/2021 11:37	20.4	13.1	0	66.5	72	0	0	-0.007	<<>>	<<>>	-2.96
IC-HGW-1	5/26/2021 11:29	31.7	16.9	0	51.4	69	0	0.1	-0.218	<<>>	<<>>	-2.23
IC-HGW-1	7/6/2021 11:14	37.9	18.1	0	44	73	0	0	-0.002	<<>>	<<>>	-2.3
IC-HGW-1	9/8/2021 9:39	38.6	20	0.1	41.3	69.2	0	0	-0.001	0	0	-2.49
IC-HGW-1	11/2/2021 9:11	30.2	18.7	0.1	51	49.3	-0.01	-0.01	-0.001	0	0	-3.29
IC-HGW-1	12/1/2021 9:26	34.4	17.2	0.3	48.1	57.7	-0.01	-0.01	0	0	0	-2.78
IC-HGW-2	2/3/2021 9:10	47.7	20.2	0	32.1	54	-3.4	-3.4	1.878	20	19	-4.36
IC-HGW-2	3/16/2021 9:14	44.5	17.6	0	37.9	44.3	-2.17	-2.15	1.185	16.2	16.2	-2.65
IC-HGW-2	4/14/2021 11:46	46.2	15.7	0	38.1	69	-1.9	-1.9	1.258	16	16	-2.61
IC-HGW-2	5/26/2021 11:40	52.9	19.5	0	27.6	67	-1.5	-1.5	0.742	12	12	-2.06
IC-HGW-2	7/6/2021 11:23	60.3	14.5	0	25.2	72	-1.5	-1.5	0.903	14	13	-2.01
IC-HGW-2	9/8/2021 11:18	58.2	25.9	0	15.9	79.5	-1.85	-1.85	0.948	13.7	13.7	-2.37
IC-HGW-2	11/2/2021 9:21	62.9	24.1	0	13	50.1	-2.19	-2.21	1.211	16.2	16.2	-2.91
IC-HGW-2	12/1/2021 9:48	62.6	21.3	0.1	16	57	-2.1	-2.09	1.27	16.6	16.5	-2.66
IC-HGW-3	2/3/2021 9:12	22.8	21.4	0	55.8	55	-1	-1	2.723	1	1	-4.85
IC-HGW-3	3/16/2021 9:21	23.8	19.6	0	56.6	44.2	-0.18	-0.17	1.919	1.2	1.2	-3.1
IC-HGW-3	4/14/2021 11:55	25.3	15.7	0	59	66	0	0	2.094	1	1	-2.98
IC-HGW-3	5/26/2021 11:44	33.6	23.7	0	42.7	68	0	0	1.533	1	1	-2.37
IC-HGW-3	7/6/2021 11:27	44.6	22.1	0	33.3	73	-0.1	0	1.538	1	1	-2.29

Table 7. Landfill Gas Monitoring Data
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

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IC-HGW-3	9/8/2021 10:02	48.8	31	0	20.2	69.4	-0.41	-0.4	1.633	1.1	1.1	-2.73
IC-HGW-3	11/2/2021 9:32	35.7	25.5	0	38.8	49.6	-0.4	-0.39	1.887	1.2	1.2	-3.46
IC-HGW-3	12/1/2021 9:57	36.1	22.9	0	41	57.5	-0.16	-0.17	1.984	1.3	1.3	-2.98
IC-HGW-4	2/3/2021 9:21	35.6	21.7	0	42.7	54	-1.1	-1.1	1.258	2	2	-5.05
IC-HGW-4	3/16/2021 9:30	29.7	19.9	0	50.4	47.2	-0.05	-0.05	0.737	1.9	1.9	-3.1
IC-HGW-4	4/14/2021 12:01	33.7	15.4	0	50.9	69	0	0	0.816	1	1	-3.05
IC-HGW-4	5/26/2021 11:49	41.3	22.3	0	36.4	67	0	0	0.441	1	1	-2.43
IC-HGW-4	7/6/2021 11:37	47.1	25.1	0	27.8	70	0	0	0.603	1	1	-2.28
IC-HGW-4	9/8/2021 11:22	51.6	27.5	0	20.9	78.3	-0.29	-0.28	0.596	1.7	1.7	-2.76
IC-HGW-4	11/2/2021 9:45	44.4	24.6	0	31	50.1	-0.29	-0.28	0.748	1.9	1.9	-3.42
IC-HGW-4	12/1/2021 10:06	41.8	21.5	0	36.7	61.4	-0.13	-0.13	1.019	2.2	2.1	-3.3
IC-HGW-5	2/3/2021 9:25	50.7	23.2	0	26.1	54	-1.1	-1.1	0.598	1	1	-5.14
IC-HGW-5	3/16/2021 9:37	33.8	20.3	0	45.9	51.6	-0.08	-0.07	0.41	1.4	1.4	-3.05
IC-HGW-5	4/14/2021 12:07	29.7	18.3	0	52	67	0	0	0.464	1	1	-3.11
IC-HGW-5	5/26/2021 11:54	39.4	21.8	0	38.8	69	0.2	0.2	0.536	1	1	-2.29
IC-HGW-5	7/6/2021 11:42	42.8	24.8	0	32.4	78	0	0	0.323	1	1	-2.36
IC-HGW-5	9/8/2021 10:21	5.2	3.7	18.9	72.2	78	-0.36	-0.35	0.887	0.8	0.8	-2.82
IC-HGW-5	11/2/2021 9:55	55.4	27	0	17.6	50	0	0	0	0	0	-3.46
IC-HGW-5	12/1/2021 10:11	43.5	22	0	34.5	60.8	-0.12	-0.13	0.019	0.1	0.1	-3.24
IC-HGW-6	2/3/2021 9:29	27.7	15.6	0	56.7	56	-1.2	-1.2	0.582	6	5	-5.19
IC-HGW-6	3/16/2021 9:44	31.3	15.6	0	53.1	50.1	-0.34	-0.34	0.794	7.4	7.4	-3.14
IC-HGW-6	4/14/2021 12:10	33.3	17.3	0	49.4	67	-0.3	-0.3	0.799	7	7	-3.11
IC-HGW-6	5/26/2021 11:57	41.5	16.8	0	41.7	71	-0.1	-0.2	0.64	6	6	-2.31
IC-HGW-6	7/6/2021 11:45	43.3	15	0	41.7	74	-0.2	-0.2	0.598	6	6	-2.35
IC-HGW-6	9/8/2021 11:26	46.5	20	0	33.5	79	-0.6	-0.59	0.6	6.4	6.4	-2.83
IC-HGW-6	11/2/2021 10:05	43.2	18.7	0	38.1	51.2	-0.6	-0.61	0.695	7	7.1	-3.56
IC-HGW-6	12/1/2021 10:15	45.7	17.6	0	36.7	59.9	-0.49	-0.49	0.738	7.3	7.3	-3.24
IC-HGW-7	2/3/2021 9:37	28.8	15.3	0	55.9	58	-1.1	-1.1	0.424	5	4	-5.34
IC-HGW-7	3/16/2021 9:53	32.3	13.6	0	54.1	52.4	-0.42	-0.42	0.693	7	7	-3.1
IC-HGW-7	4/14/2021 12:19	34.7	10.5	0	54.8	65	-0.4	-0.4	1.267	9	9	-3.26
IC-HGW-7	5/26/2021 12:02	41.1	15.1	0	43.8	70	0	0	0.899	7	7	-2.5
IC-HGW-7	7/6/2021 11:51	42.7	15.4	0	41.9	78	-0.2	-0.2	0.665	6	6	-2.49
IC-HGW-7	9/8/2021 11:37	43.9	15	0	41.1	79.5	-0.67	-0.65	0.634	6.6	6.6	-2.91
IC-HGW-7	11/2/2021 10:20	42.4	18	0	39.6	53.2	-0.99	-0.97	0.545	6.2	6.3	-3.76
IC-HGW-7	12/1/2021 10:25	40.5	16.3	0	43.2	54.1	-0.39	-0.4	0.841	7.7	7.7	-3.34
IC-HGW-8	2/3/2021 9:41	38.1	13.9	0	48	53	-1	-1	1.508	2	2	-5.32
IC-HGW-8	3/16/2021 10:02	36.8	12.7	0	50.5	49.9	0.03	0.02	1.295	2.5	2.5	-3.29
IC-HGW-8	4/14/2021 12:27	36.8	14.8	0	48.4	66	0	0	1.355	2	2	-3.26
IC-HGW-8	5/26/2021 12:09	44.2	14.5	0	41.3	70	0	0.1	1.17	2	2	-2.51
IC-HGW-8	7/6/2021 12:01	44.3	16	0	39.7	74	0	0	0.938	2	2	-2.5
IC-HGW-8	9/8/2021 11:42	48.6	16.8	0	34.6	84.5	-0.3	-0.3	0.857	2	2	-2.92
IC-HGW-8	11/2/2021 10:35	45.4	15.9	0	38.7	52.7	-0.35	-0.36	1.349	2.6	2.6	-3.77
IC-HGW-8	12/1/2021 10:36	48	14.7	0	37.3	55.6	-0.26	-0.26	1.045	2.3	2.3	-3.54
IC-HGW-9	2/3/2021 9:51	60.6	20.8	0	18.6	52	0	0	-0.003	<<>>	<<>>	-5.18
IC-HGW-9	3/16/2021 10:22	49.9	16.3	0.9	32.9	53.9	-0.19	-0.18	1.562	1.2	1.2	-3.49
IC-HGW-9	4/14/2021 12:37	48.1	18.2	0.7	33	68	-0.2	-0.2	1.598	1	1	-3.32
IC-HGW-9	5/26/2021 12:19	49.8	17.3	0.9	32	69	-0.1	-0.1	1.301	1	1	-2.74
IC-HGW-9	7/6/2021 12:11	50.3	18.6	0.6	30.5	74	-0.1	-0.1	1.172	1	1	-2.62
IC-HGW-9	9/8/2021 11:49	50.9	20.6	2.1	26.4	80.8	-0.28	-0.28	1.164	1	1	-2.93
IC-HGW-9	11/2/2021 10:51	51.6	18.8	2.6	27	54.3	-0.4	-0.4	1.609	1.2	1.2	-3.7

Table 7. Landfill Gas Monitoring Data
2021 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-9	12/1/2021 10:48	53.2	16.1	1.5	29.2	58.8	-0.27	-0.27	1.578	1.2	1.2	-3.35
IC-SC-OF	2/3/2021 10:53	0	0.3	20.5	79.2							
IC-SC-OF	4/15/2021 8:56	0	0.8	20.8	78.4							
IC-SC-OF	7/7/2021 8:52	0	0.7	20.6	78.7							
IC-SC-OF	11/3/2021 8:52	0.1	0.3	20.4	79.2							
IC-SH-BA	2/3/2021 10:51	0	0.4	20.4	79.2							
IC-SH-BA	4/15/2021 8:55	0	1.6	20.4	78							
IC-SH-BA	7/7/2021 8:52	0	1.3	20.3	78.4							
IC-SH-BA	11/3/2021 8:51	0.1	0.5	20.2	79.2							
IC-T--LG	2/3/2021 10:06	38.8	17.1	0.4	43.7	50	-6	-6.1	6.084	0	0	
IC-T--LG	3/16/2021 10:35	36.3	16	0.1	47.6	46.2	-4.36	-4.36	4.439	0	0	
IC-T--LG	4/14/2021 12:51	37.1	15.5	0.3	47.1	61	-4	-4	4.004	0	0	
IC-T--LG	5/26/2021 12:32	41.8	17.6	0.4	40.2	71	-3.2	-3.2	3.353	0	0	
IC-T--LG	7/6/2021 12:23	43.9	18	0.3	37.8	74	-3.1	-3.1	3.233	0	0	
IC-T--LG	9/8/2021 12:00	46.7	19.8	1	32.5	89	-3.46	-3.47	3.472	0	0	
IC-T--LG	11/2/2021 11:07	47.7	19.6	0.6	32.1	59.5	-4.43	-4.41	4.472	0	0	
IC-T--LG	12/1/2021 10:58	47.6	17.7	0.7	34	60.4	-7.43	-7.46	7.387	0	0	
IC-T--SV	2/3/2021 10:07	3.8	15.2	2.4	78.6	50	-18.6	-18.6	18.719	0	0	
IC-T--SV	3/16/2021 10:37	2.6	13.4	3.6	80.4	45.9	-14.62	-14.93	>>>>	0	0	
IC-T--SV	4/14/2021 12:52	2.8	12.6	4.1	80.5	61	-13.6	-14.2	13.551	0	0	
IC-T--SV	5/26/2021 12:33	3.1	13.7	4	79.2	70	-13.5	-13.2	13.411	0	0	
IC-T--SV	7/6/2021 12:24	5.5	13.6	2.8	78.1	73	-13.7	-13.6	13.851	0	0	
IC-T--SV	9/8/2021 12:01	7.5	14.3	3.2	75	80.7	-14.11	-14.11	>>>>	0	0	
IC-T--SV	11/2/2021 11:08	3.7	14.3	3.4	78.6	60.8	-16.44	-16.45	>>>>	0	0	
IC-T--SV	12/1/2021 10:59	4.3	15.4	0.9	79.4	60.9	-20.02	-19.99	>>>>	0	0	
IC-VGW-1	2/3/2021 9:00	3.1	16.1	0	80.8	48	-5.4	-5.4	0.624	10	10	-17.02
IC-VGW-1	3/16/2021 9:04	3.1	15.7	0	81.2	42.6	-3.56	-3.54	0.549	10.1	10	-13.78
IC-VGW-1	4/14/2021 11:39	4.4	12.3	0	83.3	72	-3.2	-3.3	0.481	9	9	-12.01
IC-VGW-1	5/26/2021 11:31	3.5	15.5	0	81	67	-3	-3	0.299	7	7	-11.6
IC-VGW-1	7/6/2021 11:16	3.8	14.2	0	82	71	-3.1	-3.1	1.809	10	10	-12.62
IC-VGW-1	9/8/2021 11:14	3.7	13.3	0.4	82.6	76.3	-3.33	-3.32	1.683	9.9	9.9	-13.01
IC-VGW-1	11/2/2021 9:15	3.2	15.4	0.5	80.9	49.2	-3.96	-3.95	2.086	11.3	11.3	-15.04
IC-VGW-1	12/1/2021 9:31	2.9	14.8	0.2	82.1	55.7	-3.6	-3.6	2.124	11.3	11.3	-14.64
IC-VGW-2	2/3/2021 9:08	36.1	8.1	0	55.8	55	-1.2	-1.2	1.66	1	1	-4.9
IC-VGW-2	3/16/2021 9:11	36.1	7.6	0	56.3	41.8	-0.02	-0.01	-0.001	0	0	-2.91
IC-VGW-2	4/14/2021 11:44	28.8	10	1.8	59.4	68	0	0	-0.021	<<>>	<<>>	-2.94
IC-VGW-2	5/26/2021 11:39	35.9	7.4	0	56.7	67	0	0	-0.185	<<>>	<<>>	-2.31
IC-VGW-2	7/6/2021 11:22	33.7	9.2	0.6	56.5	75	-0.2	-0.2	0.841	0	0	-2.24
IC-VGW-2	9/8/2021 9:52	40.5	6.6	0	52.9	68.4	-0.57	-0.58	1.222	1	1	-2.69
IC-VGW-2	11/2/2021 9:17	39.7	7.5	0	52.8	49.5	-0.56	-0.58	1.544	1.2	1.2	-3.37
IC-VGW-2	12/1/2021 9:36	39.4	7	0	53.6	56	-0.35	-0.35	1.77	1.3	1.3	-3.14
IC-VGW-3	2/3/2021 9:19	41.7	15.8	0	42.5	56	-1.4	-1.4	2.728	1	1	-5.04
IC-VGW-3	3/16/2021 9:27	33.6	11.8	0	54.6	44.7	-0.07	-0.1	2.206	1.4	1.4	-3.21
IC-VGW-3	4/14/2021 12:00	30.7	17.8	0	51.5	67	0	0	2.193	1	1	-3.02
IC-VGW-3	5/26/2021 11:47	37.8	15	0	47.2	67	0	-0.1	1.395	1	1	-2.4
IC-VGW-3	7/6/2021 11:35	36.5	16.6	0	46.9	69	0	0	1.588	1	1	-2.29
IC-VGW-3	9/8/2021 10:07	44.8	14.8	0	40.4	64.9	-0.58	-0.58	1.577	1.2	1.2	-2.77
IC-VGW-3	11/2/2021 9:41	48.4	17.1	0	34.5	49.4	-0.57	-0.56	2.05	1.4	1.4	-3.5
IC-VGW-3	12/1/2021 10:02	41	15	0	44	61	-1.29	-1.37	1.137	1	0.9	-3.21
IC-VGW-4	2/3/2021 9:30	40.5	9.9	0	49.6	54	-1.5	-1.5	0.63	1	1	-5.26

Table 7. Landfill Gas Monitoring Data
2021 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-4	3/16/2021 9:49	37	7.7	0	55.3	48.4	-0.32	-0.32	0.433	1.5	1.5	-3.09
IC-VGW-4	4/14/2021 12:12	34	9.5	0	56.5	67	-0.3	-0.2	0.44	1	1	-3.23
IC-VGW-4	5/26/2021 11:59	26.4	10.7	0	62.9	70	0	0	0.511	1	1	-2.37
IC-VGW-4	7/6/2021 11:47	26.4	14.1	0	59.5	74	-0.1	-0.1	0.307	1	1	-2.43
IC-VGW-4	9/8/2021 11:30	31.5	8.8	0	59.7	84.5	-0.63	-0.63	0.286	1.2	1.2	-2.84
IC-VGW-4	11/2/2021 10:12	5	3	16.9	75.1	51.4	-0.65	-0.65	1.49	1.1	1.1	-3.69
IC-VGW-4	12/1/2021 10:18	37.3	10.2	0	52.5	61.3	0.01	0.02	0	0	0	-3.2
IC-VGW-5	2/3/2021 9:40	6.2	17.2	0	76.6	55	-7.7	-7.7	3.362	24	24	-16.53
IC-VGW-5	3/16/2021 9:57	4.9	16.7	0	78.4	46.7	-5.13	-5.12	2.885	23.1	22.7	-13.01
IC-VGW-5	4/14/2021 12:23	11.7	10.7	0	77.6	64	-4.9	-4.8	3	23	23	-11.55
IC-VGW-5	5/26/2021 12:04	6	16.4	0	77.6	69	-4.6	-4.6	2.57	21	21	-11.18
IC-VGW-5	7/6/2021 11:56	5.7	15.7	0	78.6	75	-5.3	-5.2	3.52	24	24	-11.91
IC-VGW-5	9/8/2021 11:39	6.7	16.1	0	77.2	79	-5.98	-5.99	3.352	23.5	23.5	-12.44
IC-VGW-5	11/2/2021 10:28	5.8	17.2	0	77	52.5	-6.91	-6.91	3.618	24.9	24.9	-14.07
IC-VGW-5	12/1/2021 10:34	5.3	16.1	0	78.6	55	-7.39	-7.4	4.265	27	27	-12.87
IC-VGW-6	2/3/2021 9:43	44.3	11.8	0	43.9	52	-1.3	-1.3	2.377	1	1	-5.34
IC-VGW-6	3/16/2021 10:05	39.3	9.3	0	51.4	50.8	0.07	0.01	1.85	1.3	1.3	-3.28
IC-VGW-6	4/14/2021 12:29	36.7	12.3	0	51	67	-0.1	-0.1	1.773	1	1	-3.32
IC-VGW-6	5/26/2021 12:11	42.3	12.4	0	45.3	69	0	0	1.503	1	1	-2.53
IC-VGW-6	7/6/2021 12:02	42.3	12.5	0	45.2	74	0	0	1.385	1	1	-2.55
IC-VGW-6	9/8/2021 11:43	44.7	11	0	44.3	82.3	-0.49	-0.48	1.269	1	1	-2.96
IC-VGW-6	11/2/2021 10:37	44.9	12.4	0	42.7	53.5	-0.51	-0.51	1.74	1.3	1.3	-3.49
IC-VGW-6	12/1/2021 10:39	44.9	12.6	0	42.5	56.8	-0.34	-0.34	2.241	1.4	1.4	-3.42
IC-VGW-7	2/3/2021 9:49	3.4	21.1	0	75.5	52	-11.9	-12	2.388	1	1	-16.95
IC-VGW-7	3/16/2021 10:19	2.1	19.7	0	78.2	54.5	-10.94	-10.97	0.684	0.7	0.7	-12.14
IC-VGW-7	4/14/2021 12:35	2.2	19.4	0	78.4	68	-11	-11	0.851	0	0	-12.14
IC-VGW-7	5/26/2021 12:17	2.1	19.5	0.3	78.1	69	-10.9	-10.9	0.027	0	0	-11.95
IC-VGW-7	7/6/2021 12:08	1.5	18.9	0.1	79.5	76	-11.1	-11.1	0.415	0	0	-12.43
IC-VGW-7	9/8/2021 11:48	2.5	18.1	0.9	78.5	81.6	-11.74	-11.75	0.361	0.5	0.5	-12.85
IC-VGW-7	11/2/2021 10:49	2.6	20.4	0	77	54.7	-12.22	-12.22	1.197	0.9	0.9	-14.89
IC-VGW-7	12/1/2021 10:46	1.4	16.2	2.8	79.6	57.8	-12.36	-12.37	0.431	0.5	0.5	-13.22
IC-VGW-8	2/3/2021 9:48	12.7	25.1	0	62.2	54	0	0	-0.021	<<>>	<<>>	-5.13
IC-VGW-8	3/16/2021 10:17	9.9	23.9	0	66.2	53.6	0.01	0.01	-0.001	0	0	-3.3
IC-VGW-8	4/14/2021 12:33	10.5	20.4	0	69.1	65	0	0	0.016	0	0	-3.33
IC-VGW-8	5/26/2021 12:15	12.1	23.9	0	64	70	0	0	-0.001	<<>>	<<>>	-2.67
IC-VGW-8	7/6/2021 12:06	12	22.6	0.1	65.3	77	0	0	0	<<>>	<<>>	-2.62
IC-VGW-8	9/8/2021 11:46	10.2	14.6	7	68.2	82	-0.01	0	0	0	0	-2.92
IC-VGW-8	11/2/2021 10:43	20.1	24.9	0	55	53.6	0	0.01	0	0	0	-3.49
IC-VGW-8	12/1/2021 10:43	13.8	24.7	0	61.5	56.8	0	0	-0.001	0	0	-3.36
IC-VGW-9	2/3/2021 9:53	0.7	10.3	8.9	80.1	52	-4.8	-4.8	1.276	15	14	-16.75
IC-VGW-9	3/16/2021 10:24	0.6	9.6	8.9	80.9	50.8	-8.39	-7.85	3.711	26.1	26	-11.69
IC-VGW-9	4/14/2021 12:39	2	10	9.3	78.7	67	-7.3	-9.2	3.337	24	23	-12.04
IC-VGW-9	5/26/2021 12:20	1	9.8	9.6	79.6	69	-8.1	-7.2	3.458	24	25	-11.09
IC-VGW-9	7/6/2021 12:13	0.4	9.1	9.9	80.6	76	-3.7	-3.7	1.242	14	15	-12.18
IC-VGW-9	9/8/2021 11:51	0.8	5.9	14	79.3	82.6	-4.15	-4.15	1.212	14.2	14.2	-12.69
IC-VGW-9	11/2/2021 10:54	0.5	8.5	11.2	79.8	57.7	-4.71	-4.75	1.313	15.1	15.7	-14.62
IC-VGW-9	12/1/2021 10:51	0.5	8.5	10.4	80.6	57	-1.66	-1.65	0.073	3.6	3.6	-18.31

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Table 8. Source Control Operations Data
2021 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	
1/5/2021	73,853	104,932	36,989	276,678	
1/12/2021	73,871	104,978	37,127	277,710	
1/19/2021	73,883	105,015	37,179	278,099	
1/26/2021	73,901	105,055	37,204	278,286	
2/2/2021	73,919	105,099	37,356	279,423	
2/9/2021	73,939	105,137	37,488	280,410	
2/16/2021	73,957	105,185	37,598	281,233	
2/22/2021	73,975	105,224	37,754	282,400	
3/2/2021	73,993	105,266	37,870	283,268	
3/9/2021	74,011	105,305	37,906	283,537	
3/16/2021	74,029	105,347	37,926	283,686	
3/23/2021	74,055	105,392	37,942	283,806	
3/30/2021	74,073	105,440	37,967	283,993	
4/6/2021	74,091	105,480	37,979	284,083	
4/13/2021	74,109	105,522	37,995	284,203	
4/20/2021	74,120	105,568	38,003	284,262	
4/27/2021	74,126	105,610	38,015	284,352	
5/4/2021	74,132	105,652	38,020	284,390	
5/11/2021	74,138	105,690	38,040	284,539	
5/18/2021	74,146	105,748	38,046	284,584	
5/25/2021	74,150	105,779	38,052	284,629	
6/1/2021	74,161	105,820	38,055	284,651	
6/8/2021	74,167	105,864	38,056	284,659	
6/15/2021	74,172	105,903	38,059	284,681	
6/22/2021	74,178	105,948	38,059	284,681	
6/29/2021	74,184	105,990	38,059	284,681	

Table 8. Source Control Operations Data
2021 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
7/6/2021	74,194	106,032	38,059	284,681	
7/13/2021	74,203	106,077	38,059	284,681	
7/20/2021	74,209	106,120	38,059	284,681	
7/28/2021	74,214	106,165	38,059	284,681	
8/3/2021	74,220	106,206	38,059	284,681	
8/10/2021	74,226	106,248	38,056	284,659	
8/17/2021	74,232	106,290	38,059	284,681	
8/31/2021	74,244	106,369	38,059	284,681	
9/7/2021	74,250	106,415	38,059	284,681	
9/14/2021	74,262	106,461	38,061	284,696	
9/22/2021	74,268	106,504	38,088	284,898	
9/29/2021	74,274	106,542	38,103	285,010	
10/5/2021	74,280	106,587	38,168	285,497	
10/13/2021	74,286	106,630	38,218	285,871	
10/20/2021	74,293	106,676	38,271	286,267	
10/26/2021	74,298	106,712	38,377	287,060	
11/2/2021	74,303	106,750	38,531	288,212	
11/9/2021	74,317	106,800	38,702	289,491	
11/16/2021	74,322	106,835	38,967	291,473	
11/23/2021	74,328	106,877	39,058	292,154	
11/30/2021	74,334	106,919	39,349	294,331	
12/7/2021	74,344	106,963	39,450	295,086	
12/24/2021	74,349	107,005	39,556	295,879	
12/21/2021	74,355	107,047	39,713	297,053	
Total Hours	**31,345**	**57,853**			
Avg hrs./day	**5.41**	**9.98**			
Total Hours (2021)	**520**	**2,157**			
Avg hrs./day (2021)	**1.49**	**6.20**			

Data obtained from 2005 through 2020 has been summarized as annual totals for brevity.

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 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)
	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
2021 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)
	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
2021 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)
	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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2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

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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				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 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)
	6/8/2010	57,035								68,997				
	6/15/2010	57,073								69,078				
	6/22/2010	57,115								69,162				
6/28/2010	6/28/2010	57,156	282	36.0	609,120	43,987,020	17.0	287,640	29,298,240	69,246	470	21.0	592,200	89,472,960
	7/6/2010	57,197								69,331				
	7/13/2010	57,235								69,323				
	7/20/2010	57,279								69,497				
	7/27/2010	57,320								69,581				
	8/3/2010	57,362								69,665				
8/11/2010	8/11/2010	57,410	254	39.0	594,360	44,581,380	24.0	365,760	29,664,000	69,761	515	28.0	865,200	90,338,160
	8/17/2010	57,441								69,835				
	8/25/2010	57,493								69,940				
	8/31/2010	57,520								70,001				
	9/7/2010	57,562								70,085				
	9/15/2010	57,610								70,185				
9/23/2010	9/21/2010	57,643	233	35.0	489,300	45,070,680	26.0	363,480	30,027,480	70,253	492	72.0	2,125,440	92,463,600
	9/28/2010	57,684								70,336				
	10/5/2010	57,720								70,422				
	10/12/2010	57,759								70,506				
	10/19/2010	57,798								70,588				
	10/26/2010	57,836								70,673				
	11/2/2010	57,878								70,757				
11/18/2010	11/9/2010	57,920	277	36.0	598,320	45,669,000	34.0	565,080	30,592,560	70,845	592	69.0	2,450,880	94,914,480
	11/16/2010													
	12/8/2010	58,059								71,178				
12/22/2010	12/14/2010	58,094	174	36.0	375,840	46,044,840	41.0	428,040	31,020,600	71,249	404	81.0	1,963,440	96,877,920
	1/4/2011	58,192								71,500				
	1/11/2011	58,228								71,585				
	1/18/2011	58,271								71,670				
	1/25/2011	58,311								71,756				
	2/1/2011	58,350								71,837				
2/9/2011	2/8/2011	58,386	292	65.0	1,138,800	47,183,640	47.4	830,623	31,851,223	71,920	671	102.0	1,787,040	98,664,960
	2/15/2011	58,419								72,004				
	2/22/2011	58,457								72,091				
	3/1/2011	58,487								72,173				
3/10/2011	3/8/2011	58,525	139	55.0	458,700	47,642,340	42.9	357,786	32,209,009	72,259	339	92.0	767,280	99,432,240
	3/15/2011	58,555								72,340				
	3/22/2011	58,593								72,422				
	3/29/2011	58,632								72,508				
	4/5/2011	58,690								72,593				
	4/12/2011	58,730								72,674				
	4/19/2011	58,772								72,760				
	4/26/2011	58,814								72,844				
5/4/2011	5/3/2011	58,855	330	56.0	1,108,800	48,751,140	50.7	1,004,573	33,213,582	72,926	667	86.0	1,702,800	101,135,040
	5/10/2011	58,898								73,012				
	5/17/2011	58,939								73,096				
	5/24/2011	58,978								73,180				
	5/31/2011	58,021								73,265				
	6/7/2011	59,061								73,346				
6/17/2011	6/15/2011	59,111								73,446				
	6/22/2011	59,145								73,516				
	6/28/2011	59,186								73,591				
	7/5/2011	59,228								73,683				
	7/12/2011	59,262								73,767				
	7/19/2011	59,276								73,851				
	7/26/2011	59,282								73,934				
8/4/2011	8/2/2011	59,288	433	57.0	1,480,860	50,232,000	53.1	1,380,162	34,593,744	74,019	1093	84.0	2,182,320	103,317,360
	8/9/2011	59,328								74,103				
	8/16/2011	59,368								74,184				
	8/23/2011	59,407								74,267				
	8/31/2011	59,474								74,365				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 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)
	9/5/2011	59,528								74,436				
	9/13/2011	59,571								74,520				
9/20/2011	9/22/2011	59,680	392	67.0	1,575,840	51,807,840	42.3	995,931	35,589,674	74,631	612	99.0	2,328,480	105,645,840
	9/27/2011	59,743								74,688				
	10/4/2011	59,818								74,772				
	10/11/2011	59,898								74,855				
	10/18/2011	59,957								74,940				
	10/25/2011	60,016								75,023				
11/3/2011	11/1/2011	60,127	447	54.0	1,448,280	53,256,120	32.9	883,451	36,473,125	75,108	477	62.0	1,662,840	107,308,680
	11/8/2011	60,256								75,193				
	11/16/2011	60,347								75,290				
	11/22/2011	60,382								75,361				
	12/6/2011	60,460								75,532				
	12/13/2011	60,497								75,614				
	12/20/2011	60,538								75,699				
12/29/2011	12/27/2011	60,562	435	54.0	1,409,400	54,665,520	39.7	1,037,318	37,510,444	75,787	679	78.0	2,035,800	109,344,480
	1/3/2012	60,599								75,865				
	1/10/2012	60,659								75,949				
	1/17/2012													
	1/24/2012	60,740								76,117				
	1/31/2012	60,781								76,201				
2/7/2012	2/7/2012	60,823	261	55.0	861,300	55,526,820	37.0	579,420	38,089,864	76,286	499	51.0	798,660	110,143,140
	2/14/2012	60,868								76,373				
	2/21/2012	60,906								76,453				
	2/28/2012	60,951								76,541				
	3/6/2012	60,990								76,621				
	3/13/2012	61,032								76,706				
	3/20/2012	61,073								76,789				
3/28/2012	3/27/2012	61,115	292	51.0	893,520	56,420,340	42.0	735,840	38,825,704	76,873	587	51.0	893,520	111,036,660
	4/3/2012	61,157								76,957				
	4/10/2012	61,234								77,040				
	4/17/2012	61,295								77,124				
	4/24/2012	61,338								77,209				
	5/1/2012	61,380								77,293				
5/9/2012	5/8/2012	61,439	324	46.0	894,240	57,314,580	29.0	563,760	39,389,464	77,376	503	51.0	991,440	112,028,100
	5/15/2012	61,534								77,462				
	5/22/2012	61,611								77,545				
	5/29/2012	61,672								77,628				
	6/5/2012	61,714								77,712				
	6/12/2012	61,756								77,796				
	6/19/2012	61,823								77,880				
6/27/2012	6/26/2012	61,864	425	81.0	2,065,500	59,380,080	75.0	1,912,500	41,301,964	77,964	588	37.0	943,500	112,971,600
	7/3/2012	61,907								78,046				
	7/10/2012	61,948								78,133				
	7/18/2012	61,996								78,229				
	7/24/2012	62,031								78,300				
	7/31/2012	62,073								78,385				
	8/7/2012	62,117								78,471				
8/9/2012	8/14/2012	62,157	293	74.0	1,300,920	60,681,000	65.0	1,142,700	42,444,664	78,553	589	52.0	914,160	113,885,760
	8/21/2012	62,201								78,640				
	8/28/2012	62,240								78,720				
	9/4/2012	62,284								78,807				
	9/11/2012	62,330								78,899				
	9/18/2012	62,366								78,973				
9/26/2012	9/25/2012	62,407	250	40.0	600,000	61,281,000	35.0	525,000	42,969,664	79,056	503	54.0	810,000	114,695,760
	10/2/2012	62,449								79,139				
	10/9/2012	62,491								79,225				
	10/16/2012	62,534								79,310				
	10/22/2012	62,575								79,393				
	11/6/2012	62,658								79,561				
11/6/2012	11/13/2012	62,703	296	45.0	799,200	62,080,200	43.0	763,680	43,733,344	79,649	593	69.0	1,225,440	115,921,200

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 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)
	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				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

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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)
	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				
	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
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

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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)
	4/21/2015	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
2021 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)
	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								97,247				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 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)
	7/25/2017	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				

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2021 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)
	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				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

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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)
	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				
	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				

Table 9. Soil Gas and Landfill Gas Removal Volumes
2021 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)
	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
	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				
Total Hours		**31,345**						**Total Hours**		**57,853**				
Avg hrs./day		**5.41**						**Avg hrs./day**		**9.98**				
Total Days Operational		**5,796**												

Table 10. LFG and SVE System Flow Rates
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

Date	SVE System				LFG System				
	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Flow @ 50% CH_4 (scfm)
1/13/2006	4.4	19.6	0.2	94.0	29.3	21.0	0.1	120.0	70.3
3/1/2006	4.0	18.5	1.3	85.0	30.5	19.7	0.6	87.0	53.1
4/3/2006	3.2	18.0	1.7	77.0	33.8	20.6	1.1	88.0	59.5
5/1/2006	2.6	15.2	4.3	81.0	27.8	19.1	1.1	82.0	45.6
6/5/2006	2.9	16.7	2.4	65.0	32.8	20.5	0.3	83.0	54.4
7/13/2006	2.9	16.3	2.8	81.0	32.1	21.1	0.5	53.0	34.0
8/18/2006	2.7	15.8	3.0	81.0	29.1	20.8	0.5	73.0	42.5
9/14/2006	2.8	15.9	3.1	87.0	32.2	21.8	0.4	62.0	39.9
10/19/2006	2.8	16.0	3.3	93.0	33.3	21.3	0.4	63.0	42.0
12/4/2006	3.0	16.1	3.3	93.0	34.0	21.0	0.7	75.0	51.0
1/15/2007	2.8	16.0	3.0	90.0	33.6	20.0	0.6	49.0	32.9
2/23/2007	1.8	10.0	10.0	88.0	33.2	19.3	1.0	86.0	57.1
3/23/2007	3.2	15.6	3.4	84.0	37.9	25.0	0.0	86.0	65.2
5/1/2007	2.8	15.3	3.5	86.0	34.3	20.1	0.1	58.0	39.8
5/17/2007	2.9	14.9	3.6	86.0	33.7	20.3	0.2	56.0	37.7
6/14/2007	2.9	14.9	3.9	84.0	32.8	21.6	0.4	67.0	44.0
7/19/2007	2.9	14.5	3.9	80.0	36.5	22.2	0.5	N/M	
8/8/2007	2.9	14.4	4.5	87.0	32.6	20.9	2.7	46.0	30.0
9/7/2007	3.0	14.8	4.1	86.0	34.3	21.3	2.6	42.0	28.8
10/26/2007	3.2	15.0	4.0	94.0	34.5	19.5	4.0	44.0	30.4
11/26/2007	3.2	15.6	3.8	92.0	40.1	19.1	3.6	45.0	36.1
12/12/2007	3.3	15.3	3.6	91.0	41.8	20.0	2.5	85.0	71.1
1/30/2008	3.0	14.7	3.9	91.0	45.4	20.3	0.3	47.0	42.7
2/27/2008	2.9	14.7	4.2	91.0	29.8	18.4	0.9	59.0	35.2
3/18/2008	3.4	12.2	4.5	87.0	32.3	17.2	1.0	43.0	27.8
3/19/2008	3.5	14.5	3.9	81.0	46.5	19.4	0.0	39.0	36.3
8/26/2008	2.4	11.9	6.5	86.0	27.5	20.3	0.7	45.0	24.8
9/24/2008	2.7	12.6	6.2	90.0	29.0	21.3	0.3	45.0	26.1
10/29/2008	2.5	12.4	6.6	87.0	39.6	20.5	0.4	35.0	27.7
11/25/2008	2.8	12.8	6.2	88.0	34.3	19.6	0.2	34.0	23.3
12/30/2008	2.8	13.0	6.0	89.0	36.9	17.7	0.0	24.0	17.7
1/28/2009	2.4	12.8	11.4	86.0	39.0	19.5	0.0	31.0	24.2
2/24/2009	2.7	14.1	4.5	86.0	42.7	19.4	0.0	37.0	31.6
3/23/2009	2.7	14.4	4.4	87.0	39.8	19.6	0.0	38.0	30.2
4/20/2009	2.5	12.4	5.4	86.0	32.0	17.6	1.3	37.0	23.7
5/18/2009	2.0	12.7	5.8	84.0	33.9	18.3	0.6	36.0	24.4
6/25/2009	2.2	13.3	5.6	84.0	29.4	22.0	0.9	38.0	22.3
7/16/2009	2.5	14.3	4.4	83.0	31.7	21.5	0.9	41.0	26.0
8/26/2009	2.0	12.4	5.4	82.0	32.0	21.0	0.2	35.0	22.4
9/22/2009	3.8	15.2	0.5	67.0	42.0	21.5	0.0	37.0	31.1
11/23/2009	3.4	14.7	2.5	67.0	29.4	18.4	0.9	38.0	22.3
12/28/2009	8.9	14.1	3.7	82.0	30.3	17.5	1.8	38.0	23.0
2/10/2010	8.9	14.1	4.2	49.0	30.9	18.2	0.5	37.0	22.9
3/26/2010	0.0	8.1	3.8	53.0	4.0	8.9	1.6	39.0	3.1
5/21/2010	16.2	17.4	0.2	62.0	4.6	3.5	15.4	6.0	0.6
6/28/2010	12.8	17.7	0.9	21.0	24.0	18.7	0.6	36.0	17.3

Table 10. LFG and SVE System Flow Rates
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

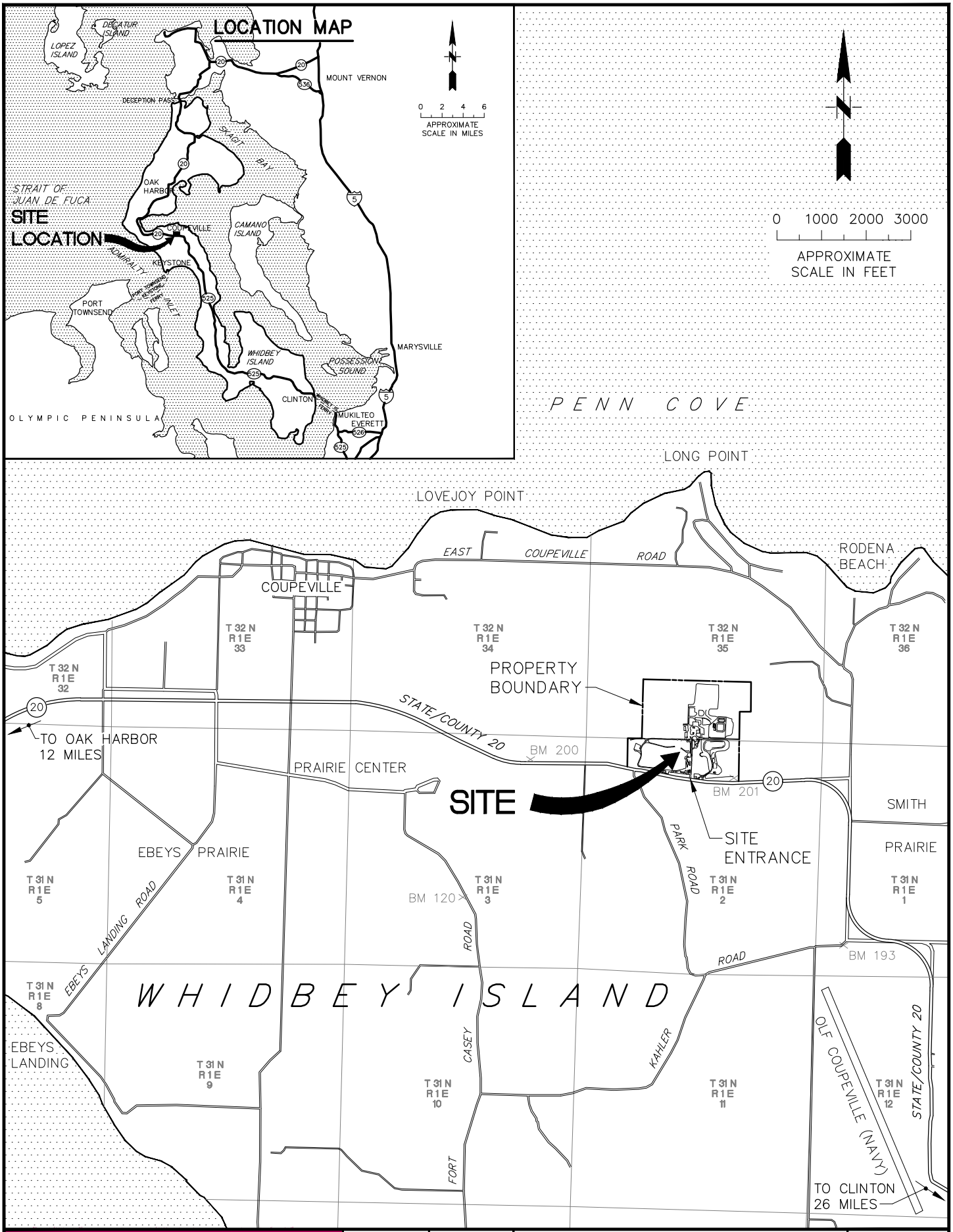
Date	SVE System				LFG System				
	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Methane (% vol.)	Carbon Dioxide (% vol.)	Oxygen (% vol.)	Flow (scfm)	Flow @ 50% CH_4 (scfm)
8/11/2010	14.1	16.1	2.2	28.0	30.3	19.2	0.4	39.0	23.6
9/23/2010	4.5	22.7	3.0	72.0	36.8	35.6	0.0	35.0	25.8
11/18/2010	2.1	16.0	4.6	69.0	46.6	24.2	0.0	36.0	33.6
12/22/2010	2.0	12.8	6.1	81.0	56.7	24.0	0.5	36.0	40.8
2/9/2011	1.5	13.5	7.6	102.0	43.1	16.8	0.7	55.0	47.4
3/10/2011	1.8	11.7	7.9	92.0	39.0	16.8	2.5	55.0	42.9
5/4/2011	3.6	13.5	5.8	86.0	45.3	19.2	1.3	56.0	50.7
8/4/2011	5.2	14.6	4.2	84.0	46.6	24.5	0.1	57.0	53.1
9/20/2011	4.3	12.5	6.3	99.0	31.6	17.1	5.2	67.0	42.3
11/3/2011	2.3	14.4	4.5	62.0	30.5	18.4	0.0	54.0	32.9
12/29/2011	5.6	13.6	4.0	78.0	36.8	18.4	0.7	54.0	39.7
2/7/2012	5.4	12.3	3.4	51.0	34.1	17.0	0.5	55.0	37.5
3/28/2012	35.7	14.9	1.2	51.0	0.3	4.0	20.4	51.0	0.3
5/9/2012	30.4	17.0	0.0	51.0	3.2	13.6	2.9	46.0	2.9
6/27/2012	1.0	14.4	4.0	37.0	30.3	18.5	0.1	81.0	49.1
8/9/2012	4.1	14.1	4.2	52.0	31.7	19.4	1.4	74.0	46.9
9/26/2012	2.9	9.2	10.1	54.0	31.9	18.3	4.2	40.0	25.5
11/8/2012	1.5	7.8	11.9	69.0	36.2	20.8	0.9	45.0	32.6
12/20/2012	2.8	11.9	7.9	67.0	37.8	20.1	1.0	84.0	63.5
1/30/2013	2.9	11.9	6.8	14.0	32.0	17.4	1.7	21.0	13.4
3/21/2013	2.5	12.3	7.3	17.0	29.0	18.3	1.2	26.0	15.1
4/30/2013	2.9	12.1	7.1	14.0	30.4	17.6	1.4	24.0	14.6
6/18/2013	2.7	11.5	6.9	17.0	36.0	19.3	0.9	27.0	19.4
8/1/2013	2.4	10.5	8.7	15.0	30.6	18.2	3.6	15.0	9.2
9/19/2013	1.9	8.2	11.6	15.0	39.8	22.3	0.3	20.0	15.9
10/29/2013	1.9	8.0	11.4	9.0	27.7	15.7	5.3	34.0	18.8
12/17/2013	2.3	10.1	9.5	12.0	29.8	16.0	4.0	39.0	23.2
2/13/2014	19.8	14.4	5.3	16.0	29.3	16.1	1.0	32.0	18.8
5/7/2014	N/M	N/M	N/M	N/M	33.9	17.7	1.3	54.0	36.6
6/18/2014	N/M	N/M	N/M	N/M	37.8	19.2	0.0	46.0	34.8
8/5/2014	N/M	N/M	N/M	N/M	32.5	19.3	1.7	41.4	26.9
9/16/2014	N/M	N/M	N/M	N/M	36.3	20.4	1.5	43.8	31.8
10/29/2014	N/M	N/M	N/M	N/M	33.4	19.2	1.7	41.3	27.6
12/16/2014	N/M	N/M	N/M	N/M	36.9	18.7	1.1	41.0	30.3
2/3/2015	N/M	N/M	N/M	N/M	30.2	17.2	1.6	41.2	24.9
3/18/2015	0.1	0.5	21.1	21.4	27.1	16.5	1.6	45.5	24.7
4/29/2015	9.4	10.1	8.5	13.4	27.4	17.1	0.9	44.0	24.1
6/16/2015	0.0	0.3	20.2	17.6	28.6	18.7	1.3	41.9	24.0
8/4/2015	0.1	0.6	19.8	0.0	23.3	16.9	3.1	43.9	20.5
9/15/2015	4.1	3.7	17.3	16.7	25.2	15.2	6.8	42.3	21.3
10/28/2015	0.0	0.5	20.3	19.1	29.2	19.2	0.5	38.7	22.6
12/10/2015	0.0	0.2	21.0	5.3	31.6	15.9	3.5	40.4	25.5
2/3/2016	0.0	0.6	20.5	0.0	24.6	14.1	3.8	0.0	0.0
3/23/2016	11.1	15.7	1.3	0.0	26.9	16.8	0.7	0.0	0.0
5/12/2016	24.5	15.9	1.4	18.0	22.2	13.5	2.9	50.0	22.2
7/25/2016	21.1	16.3	0.1	0.0	46.0	21.5	0.0	51.0	46.9

Table 10. LFG and SVE System Flow Rates
2021 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

N/M - Not measured

Figures



SCS ENGINEERS
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PROJECT NO.	DES BY
04207033.14	L.E.L.
SCALE	CHK BY
AS SHOWN	D.V.
CAD FILE	APP BY
FIGURE 1	G.H.

SITE LOCATION MAP
2021 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

DATE: JANUARY 2022

FIGURE: 1

NOTES:

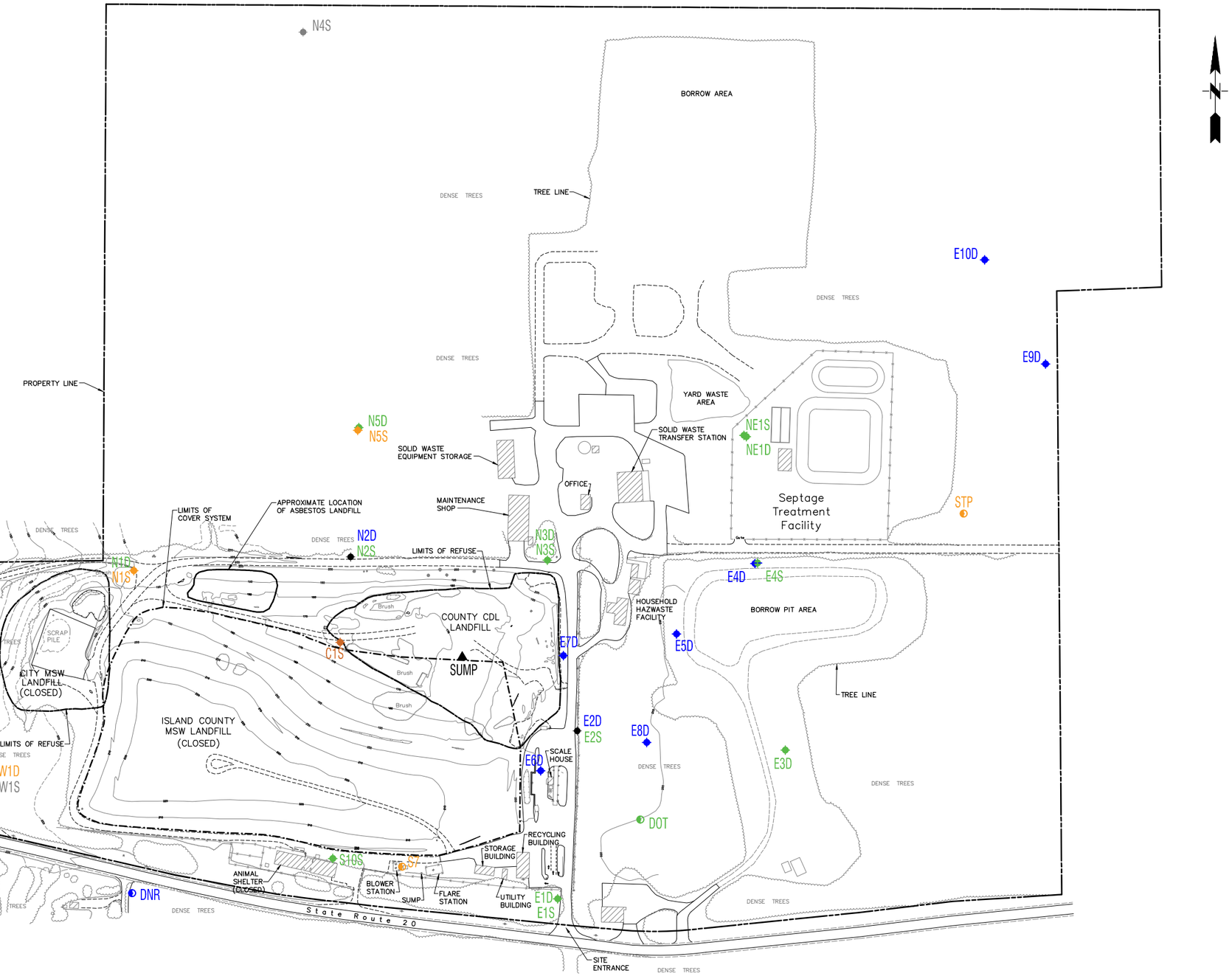
THE SITE TOPOGRAPHIC BASE MAP WAS CREATED BY AERIAL PHOTOGRAMMETRY. BASE MAP PREPARED BY OTHERS. DATE OF PHOTOGRAPH 12-OCT-02.

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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2021 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04207033.14	DES BY L.E.L.	GROUNDWATER MONITORING WELL NETWORK	DATE JANUARY 2022
SCALE AS SHOWN	CHK BY D.V.		FIGURE 2
CAD FILE Figure 2	APP BY G.H.		

Figure 3. Groundwater Elevation Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

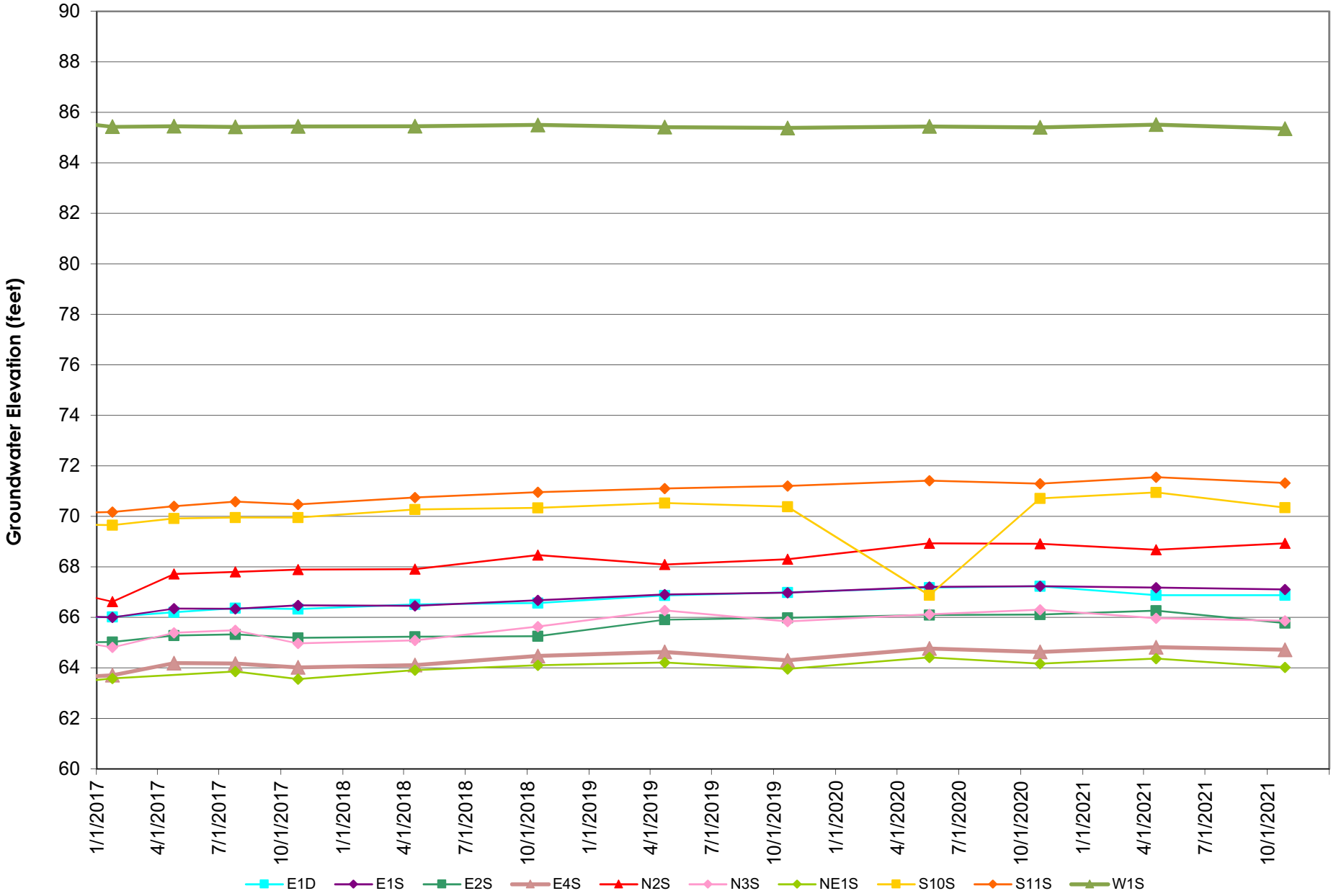
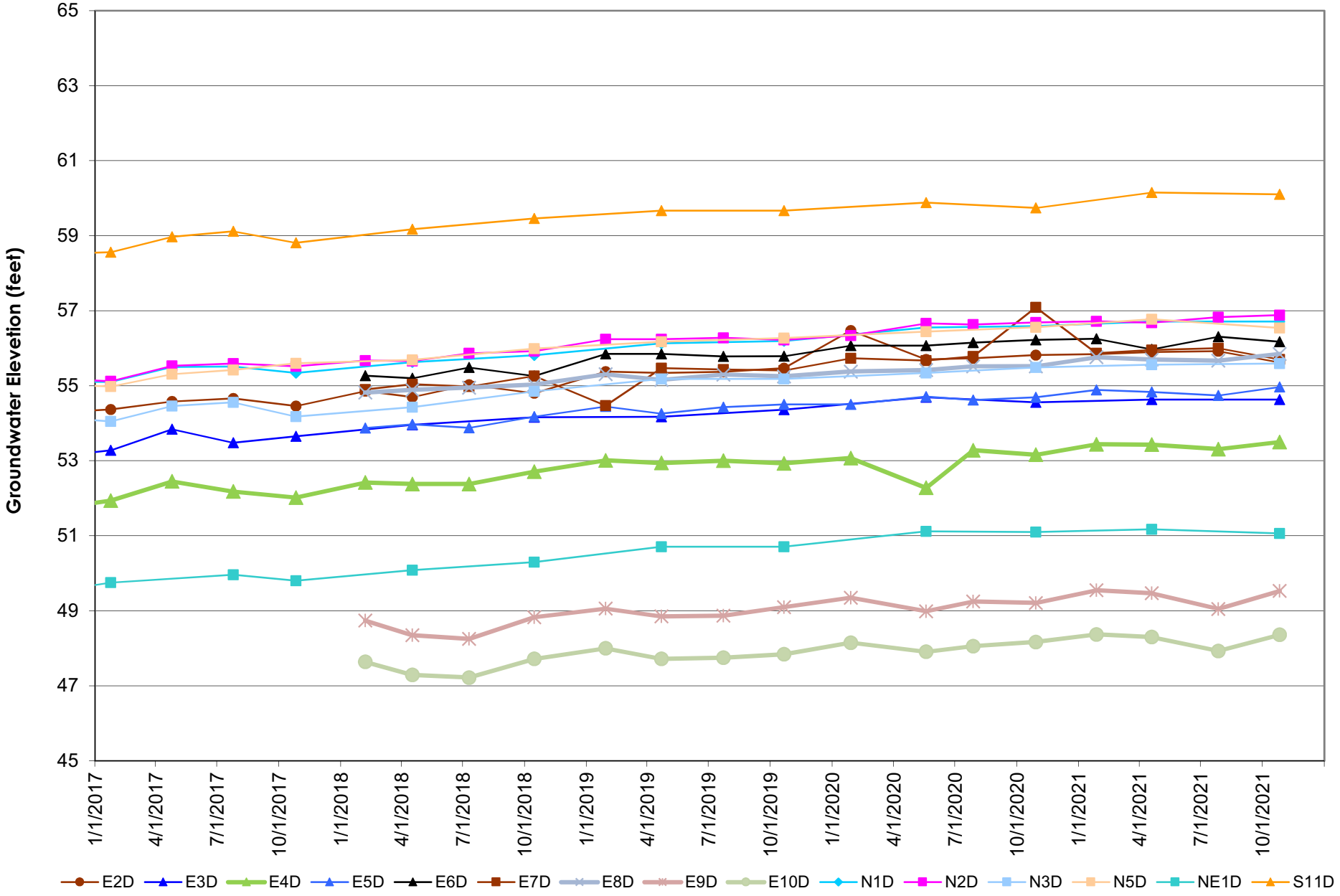
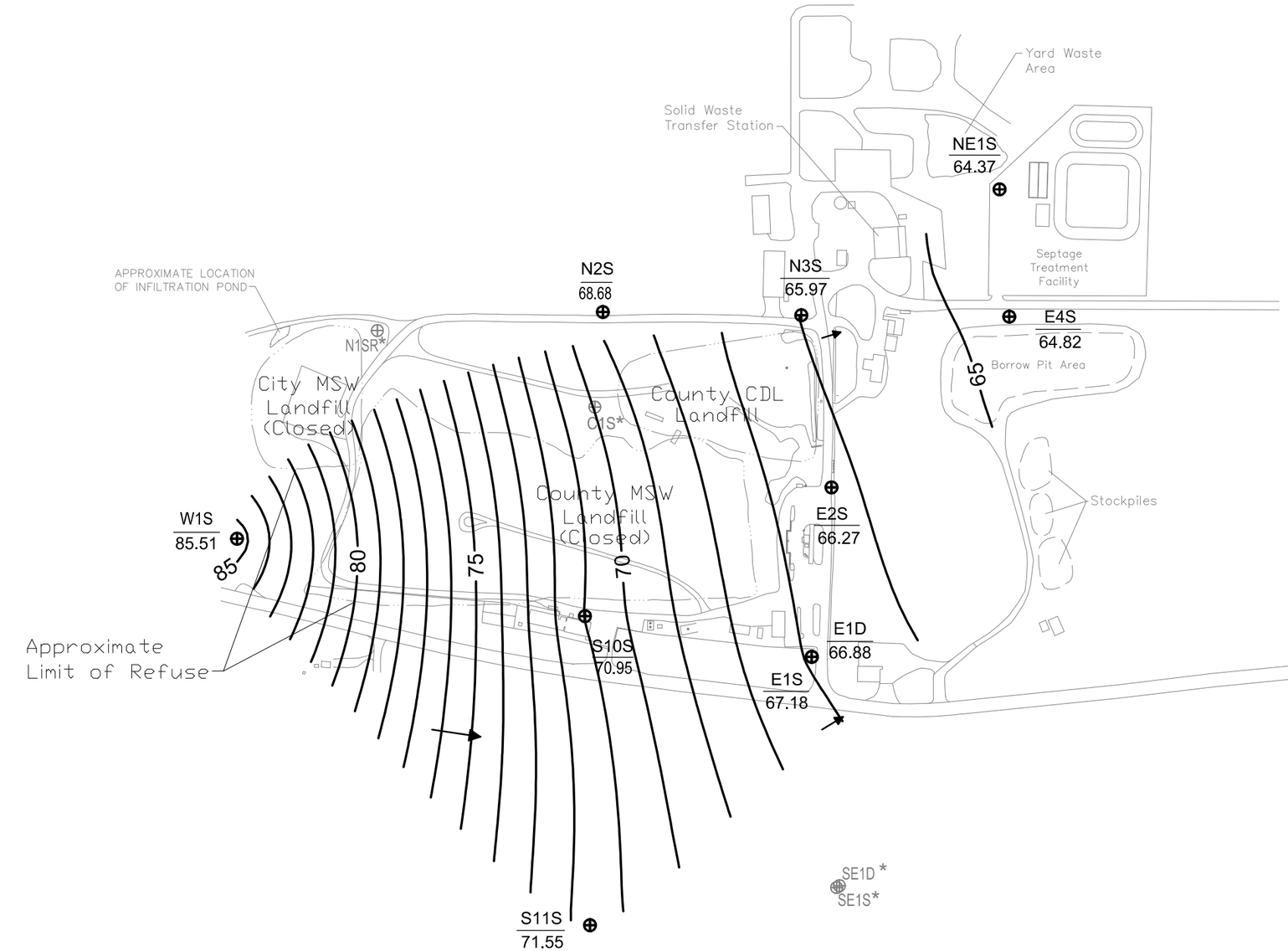


Figure 4. Groundwater Elevation Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington





GRAPHIC SCALE:

0 300 600

SCALE IN FEET

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

LEGEND

E2S 66.27	Well Name / Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

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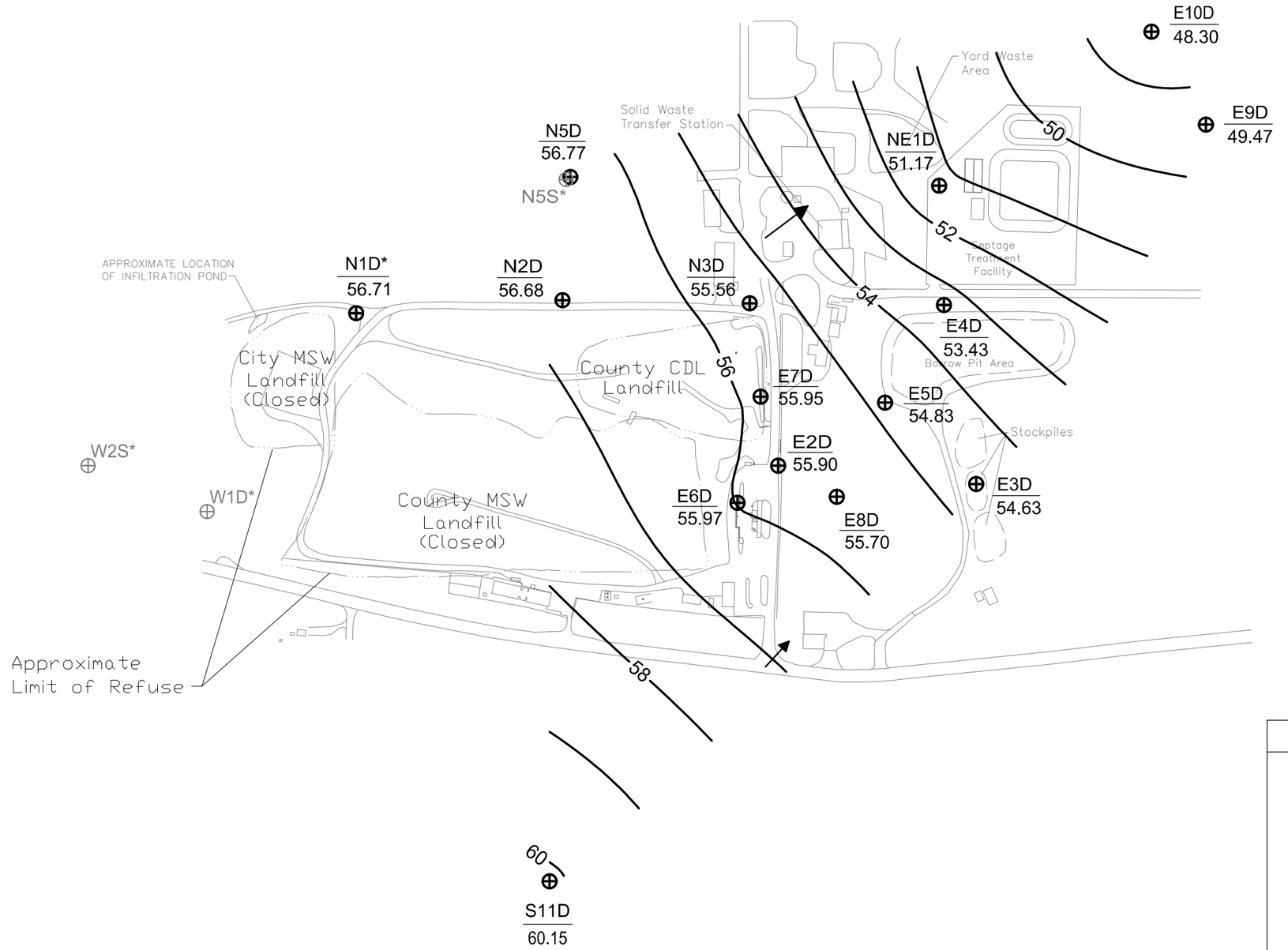
2021 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04207033.14	DES BY S.G.	APRIL 2021 AQUIFER 1 GROUNDWATER ELEVATION MAP	DATE JANUARY 2022
SCALE 1" = 300'	CHK BY D.V.		FIGURE 5A
CAD FILE Figure 5A	APP BY G.H.		



GRAPHIC SCALE:

0 300 600

SCALE IN FEET

LEGEND	
E3D / 54.63	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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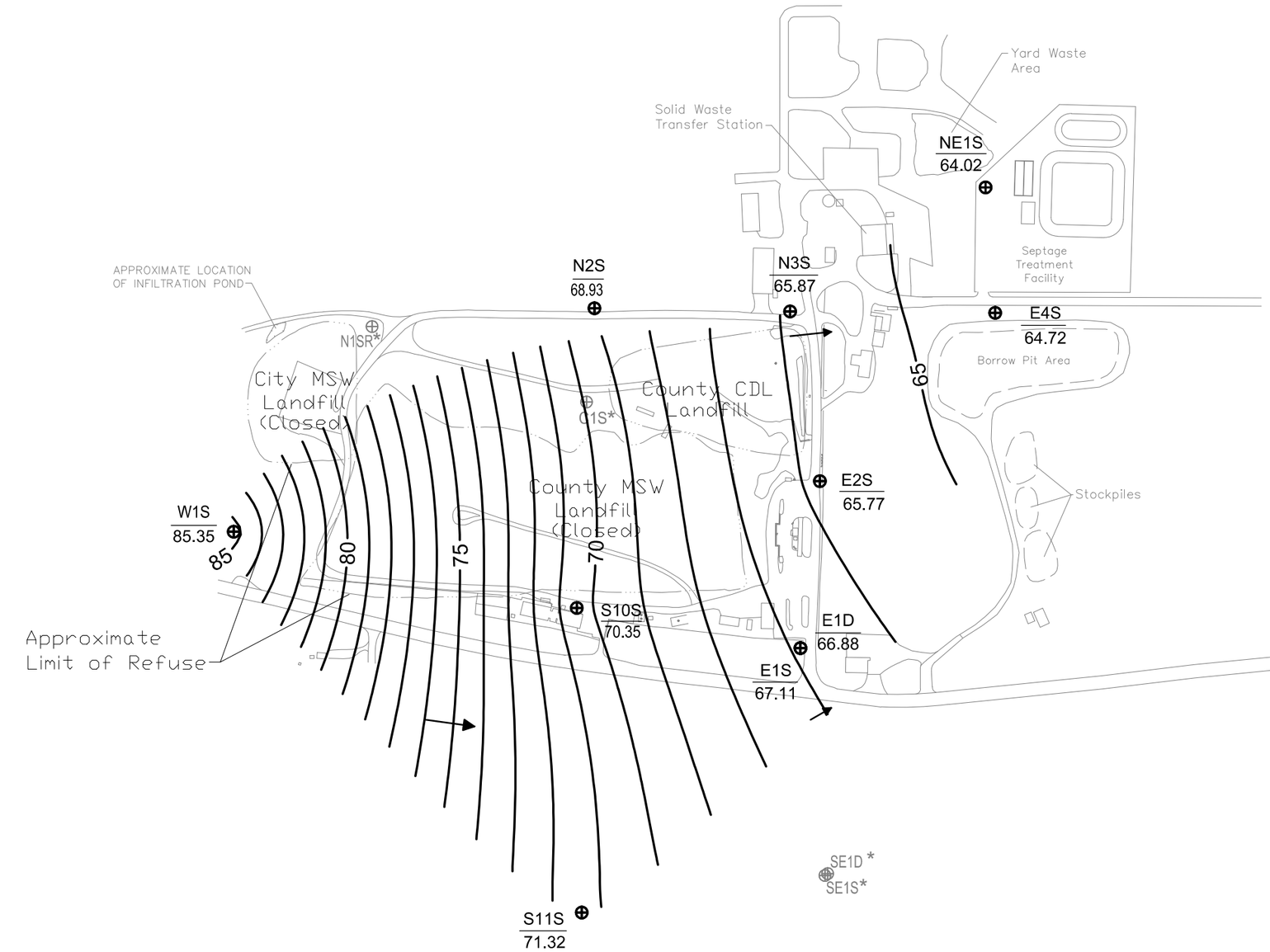
MONITORING DATA REPORT

ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04207033.14	DES BY S.G.	APRIL 2021 AQUIFER 2 GROUNDWATER ELEVATION MAP	DATE JANUARY 2022
SCALE 1" = 300'	CHK BY D.V.		FIGURE 5B
CAD FILE Figure 5B	APP BY G.H.		



GRAPHIC SCALE:

0 300 600

SCALE IN FEET

LEGEND

E2S 65.77	Well Name / Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

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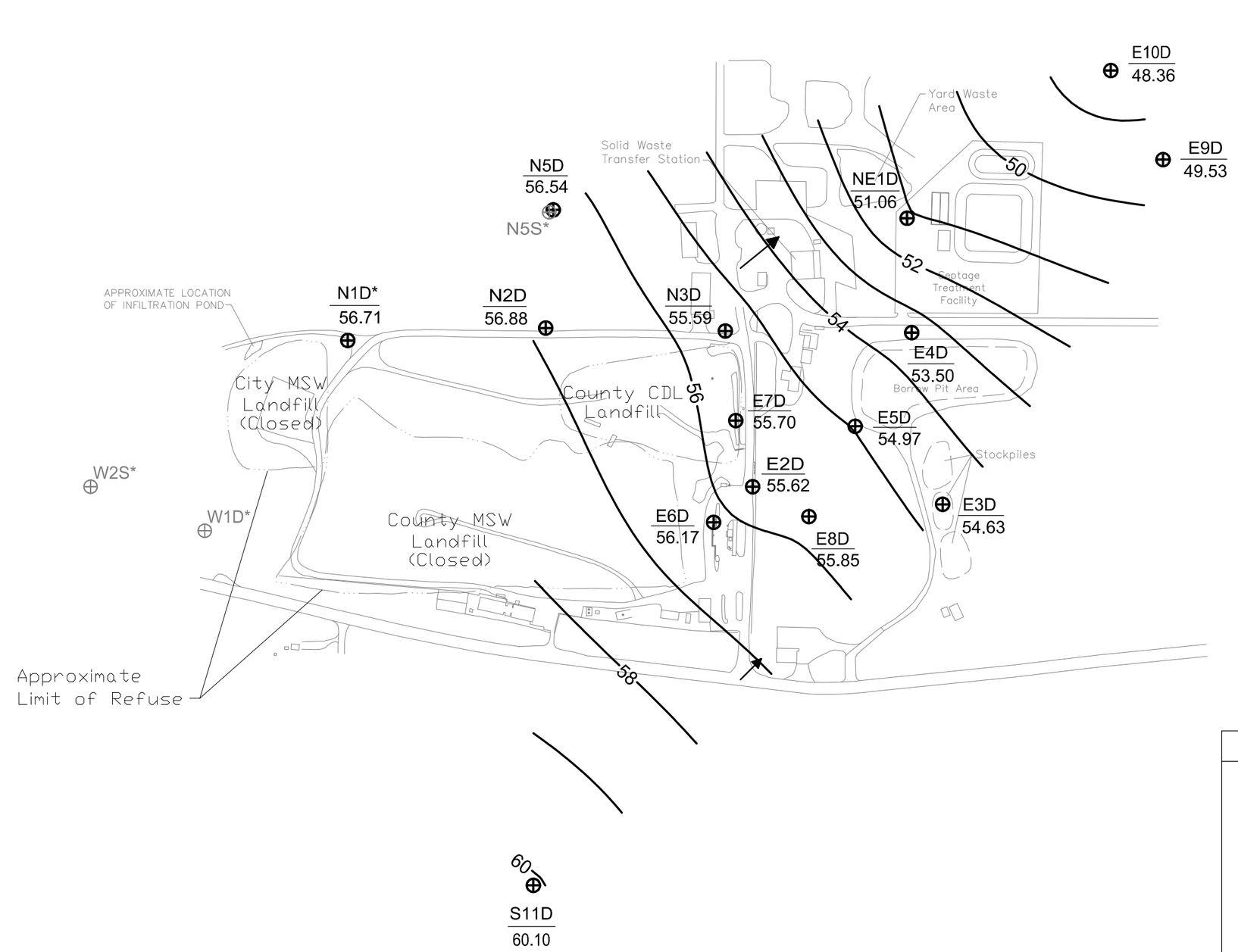
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04207033.14	DES BY S.G.	OCTOBER 2021 AQUIFER 1 GROUNDWATER ELEVATION MAP	DATE JANUARY 2022
SCALE 1" = 300'	CHK BY D.V.		FIGURE 6A
CAD FILE Figure 6A	APP BY G.H.		



GRAPHIC SCALE:

0 300 600

SCALE IN FEET

LEGEND

E3D / 54.63	Well Name / Groundwater Elevation
⊕	Groundwater Monitoring Well
⊕	Two-Year Monitoring Well
←	Groundwater Flow Direction
*	Not used in contouring

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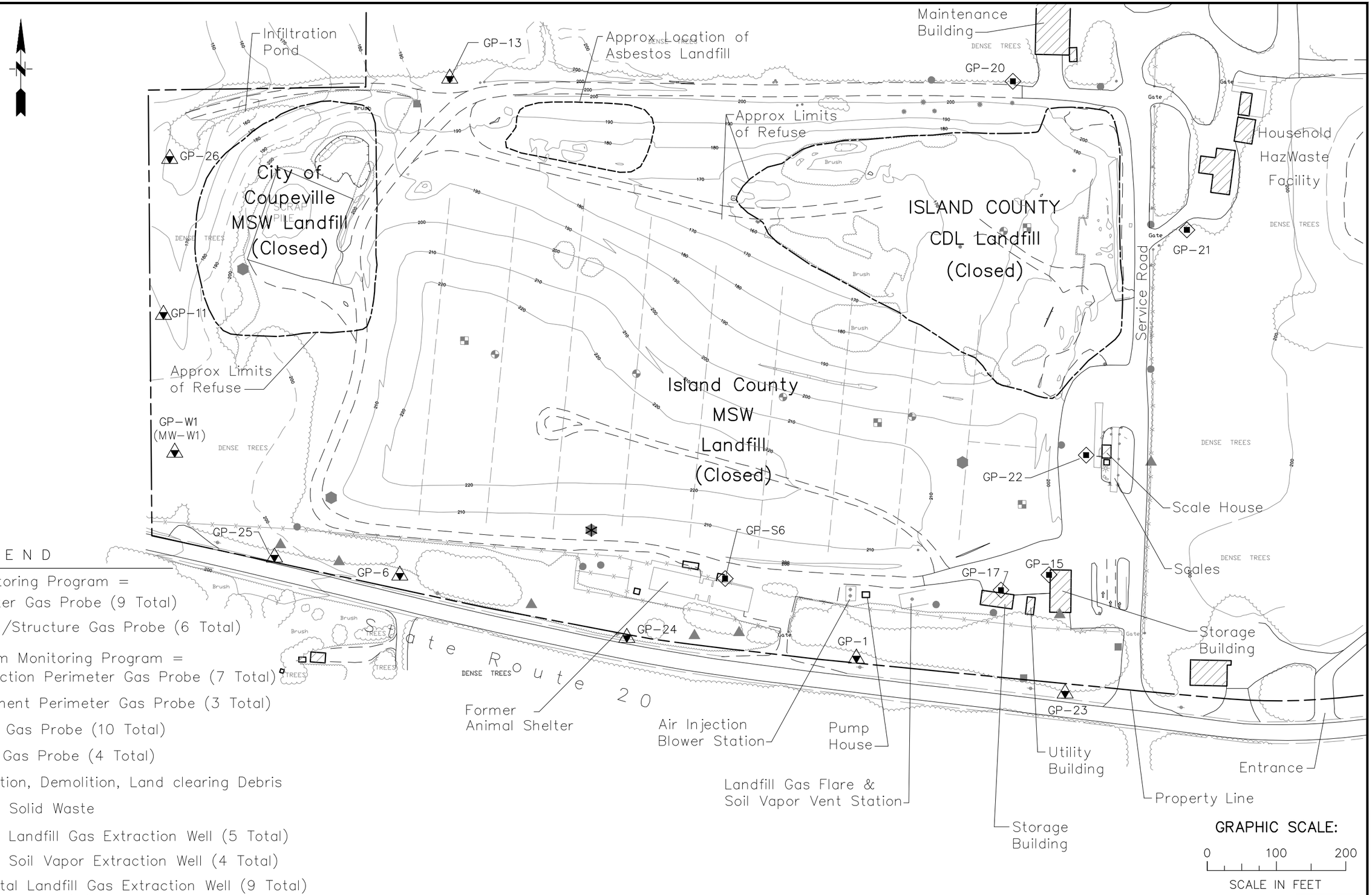
ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04207033.14	DES BY S.G.	OCTOBER 2021 AQUIFER 2 GROUNDWATER ELEVATION MAP	DATE JANUARY 2022
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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ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04207033.14	DES BY T.A.M.	LANDFILL GAS PROBE MONITORING NETWORK	DATE JANUARY 2022
SCALE AS SHOWN	CHK BY D.V.		FIGURE 7
CAD FILE Figure 7	APP BY G.H.		

Infiltration Pond
GP-13
Approx Limits of Refuse
FIG 10
Maintenance Building
GP-20
Gate
Household HazWaste Facility
Horizontal Gas Extraction Well (Typical 9 Places)
Edge of Cover System
GP-26
Approx Limits of Refuse
VGW-7 (NS)
VGW-8
GP-21
Service Road
VGW-1 (NS)
VGW-2
Gas Conveyance Header
VGW-3
VGW-4
VGW-5 (NS)
VGW-6
GP-22
Vertical Gas Extraction Well (Typical 5 Places)
GP-11
HGW-1
HGW-2
HGW-3
HGW-4
HGW-5
HGW-6
HGW-7
HGW-9
GP-29
GP-W1 (MW-N1)
GP-30
HGW-8
Scales
Scale House
Air Injection Blower Station
VGW-9 (NS)
GP-25
GP-S6
GP-17
GP-15
Storage Building
State Route 20
GP-24
GP-23
Former Animal Shelter
Pump House
FIG 10
Utility Building
Entrance
Landfill Gas Flare & Soil Vapor Vent Station
Property Line
Sediment Trap
Storage Building

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)

GRAPHIC SCALE:
0 100 200
SCALE IN FEET

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ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY
COUPEVILLE, WASHINGTON

PROJECT NO. 04207033.14	DES BY T.A.M.	LANDFILL GAS EXTRACTION SYSTEM	DATE JANUARY 2022
SCALE AS SHOWN	CHK BY D.V.		FIGURE 8
CAD FILE Figure 8	APP BY G.H.		

Infiltration Pond
GP-13
Approx Limits of Refuse
FIG 10
Maintenance Building
GP-20
Gate
Household HazWaste Facility
GP-26
Edge of Cover System
Approx Limits of Refuse
VGW-7 (NS)
VGW-8
Gate
GP-21
Service Road
Vertical Soil Vapor Extraction Well (Typical 4 Places)
VGW-1 (NS)
VGW-2
Gas Conveyance Header
GP-11
VGW-3
HGW-1
VGW-4
VGW-5 (NS)
HGW-2
VGW-6
GP-22
HGW-3
HGW-4
HGW-5
GP-29
GP-W1 (MW-N1)
HGW-6
HGW-7
HGW-9
GP-30
HGW-8
Scales
Scale House
Air Injection Blower Station
VGW-9 (NS)
GP-25
GP-S6
GP-17
GP-15
Gate
Gate
Storage Building
State Route 20
GP-24
GP-23
Former Animal Shelter
Pump Station
FIG 10
Utility Building
Entrance
Landfill Gas Flare & Soil Vapor Vent Station
Property Line
Sediment Trap
Storage Building

GRAPHIC SCALE:
0 100 200
SCALE IN FEET

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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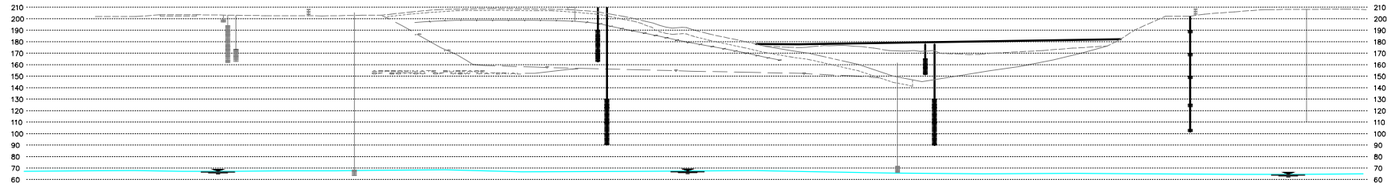
COUPEVILLE, WASHINGTON

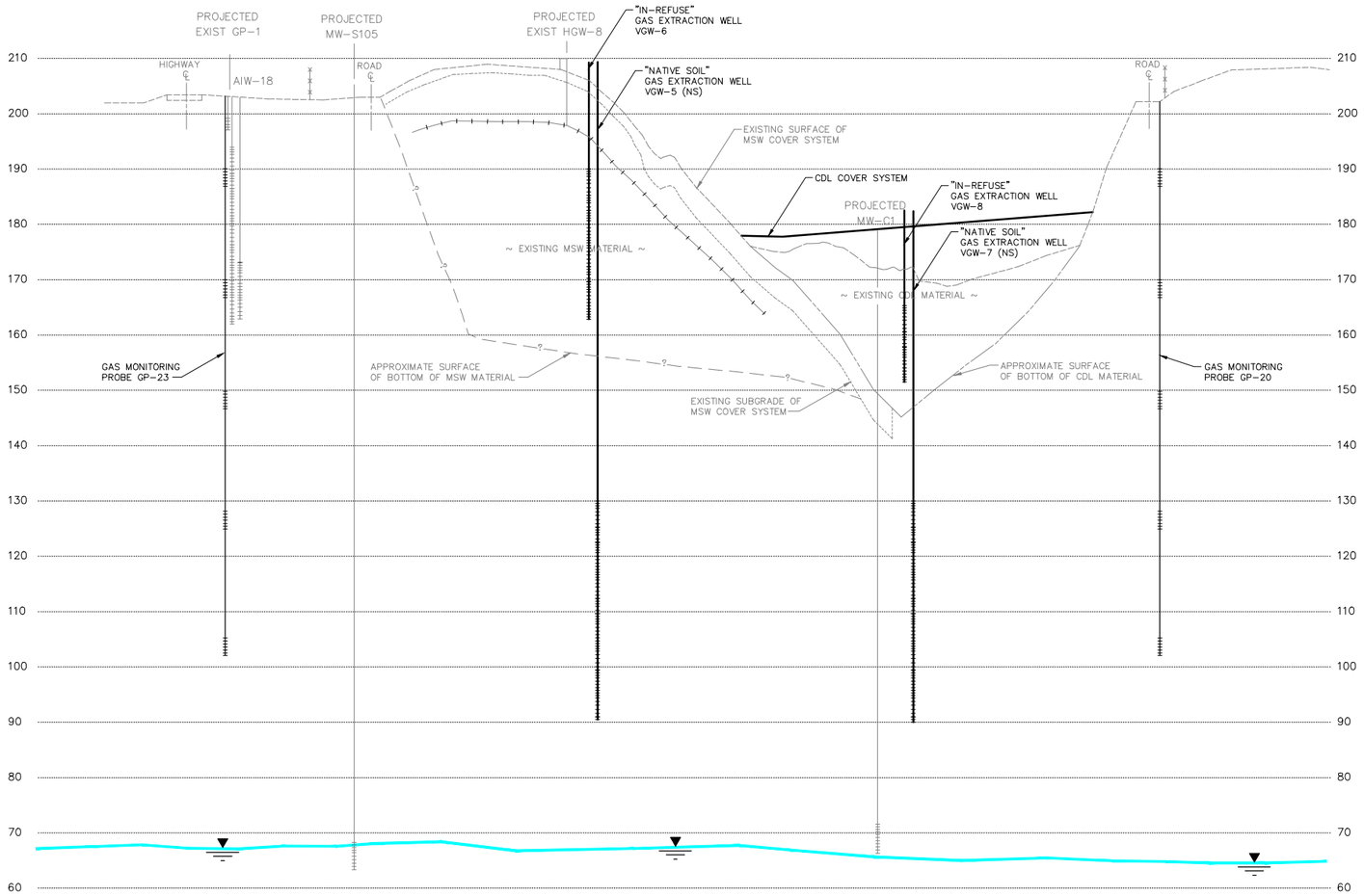
PROJECT NO. 04207033.14	DES BY T.A.M.	SOIL VAPOR EXTRACTION SYSTEM	DATE JANUARY 2022
SCALE AS SHOWN	CHK BY D.V.		FIGURE 9
CAD FILE Figure 9	APP BY G.H.		

LEGEND

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



VIEW LOOKING WEST



GRAPHIC SCALE:

0 100 200

HORIZ. SCALE IN FEET

0 20 40

VERT. SCALE IN FEET

SCS ENGINEERS Environmental Consultants and Contractors 2405 140th Avenue NE, Suite 107 Bellevue, Washington 98005 (425) 746-4600 FAX: (425) 746-6747	2021 ANNUAL ENVIRONMENTAL MONITORING DATA REPORT ISLAND COUNTY COUPEVILLE SOLID WASTE FACILITY COUPEVILLE, WASHINGTON	PROJECT NO. 04207033.14 / DES BY L.E.L. SCALE AS SHOWN / CHK BY D.V. CAD FILE Figure 10 / APP BY G.H.	CROSS SECTION THRU MSW AND CDL LANDFILLS SHOWING EXTRACTION SYSTEMS	DATE JANUARY 2022 FIGURE 10

Figure 11. Water Removed from Stormwater Pump Station
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

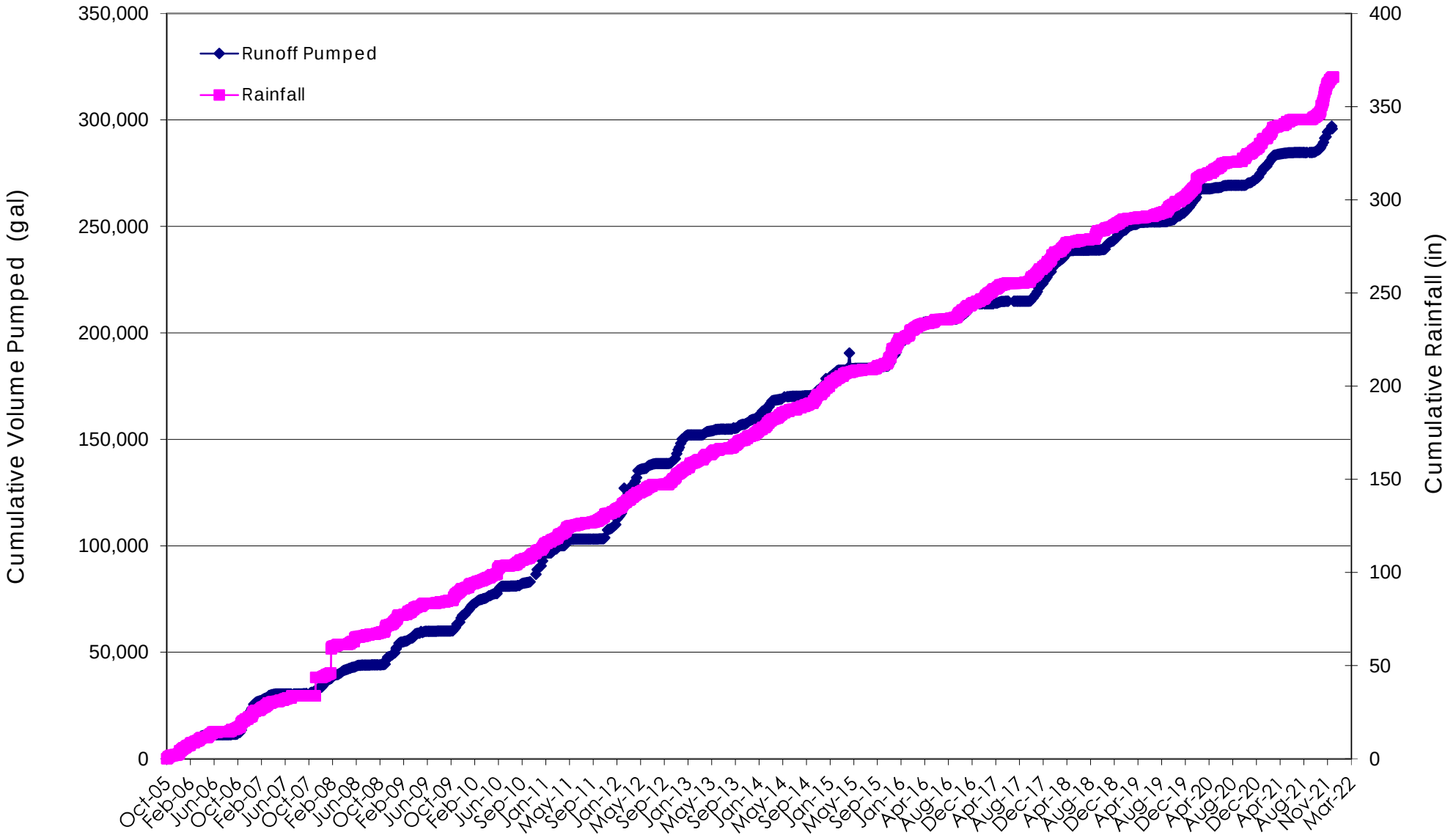
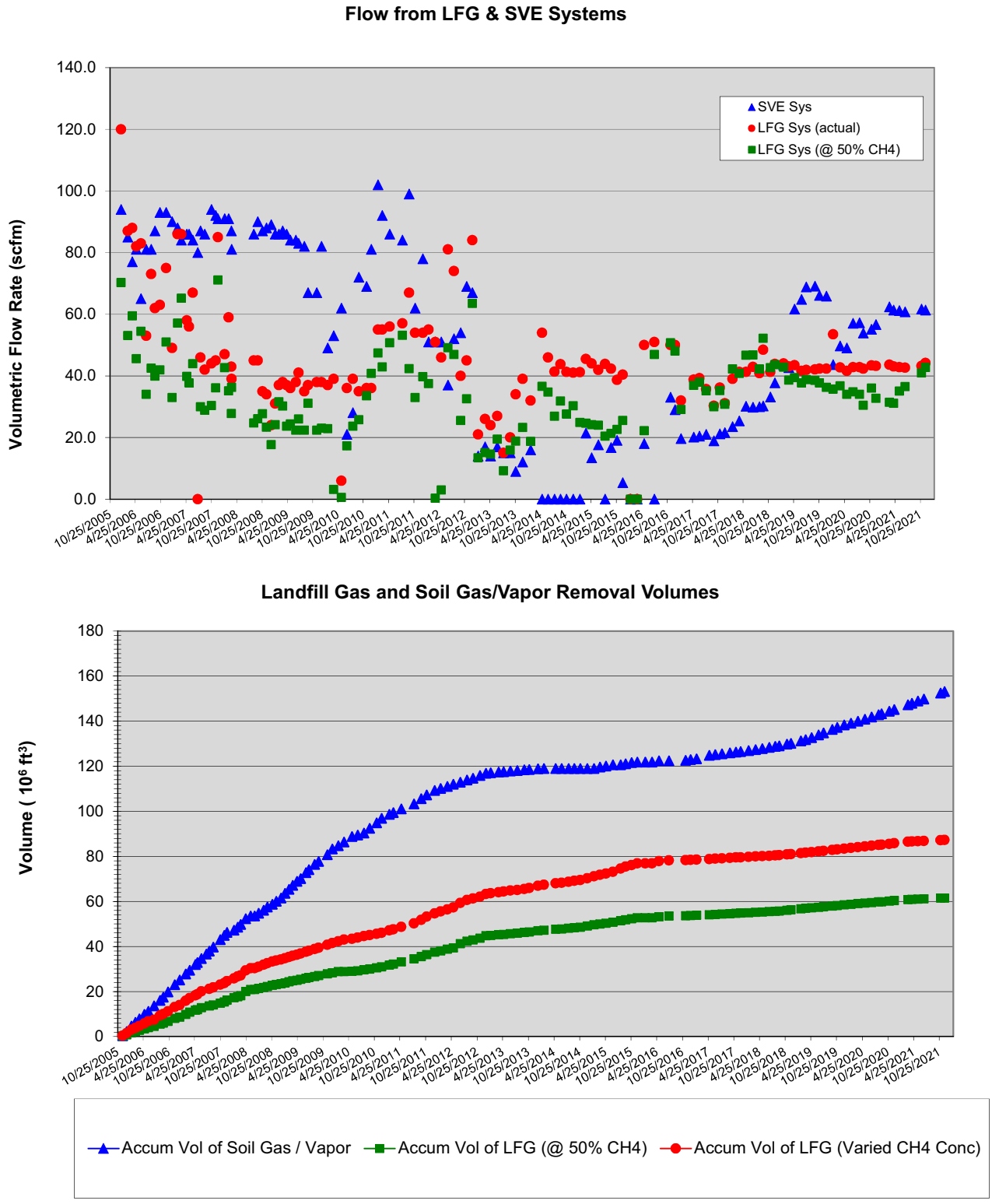


Figure 12. Flow Rates and Removal Volumes for LFG and SVE Systems
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington



Appendix A

2021 Field Documentation

January 28, 2021
File No. 04207033.14

Subject: **First Quarter 2021 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Dates: January 27-28, 2021
Field Staff: Sam Graber

- This was a quarterly monitoring event.
- A Duplicate sample was taken 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
1/27/21	0121-01	E10D
1/27/21	0121-02	E9D
1/27/21	0121-03	E4D
1/27/21	0121-04	E5D
1/27/21	0121-05	E8D
1/27/21	0121-06	N2D
1/27/21	0121-07	N2D (Duplicate)
1/27/21	0121-08	E2D
1/28/21	0121-09	E7D
1/28/21	0121-10	E6D
1/28/21	0121-11	DNR
1/28/21	0121-12	WR1

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E10D
Sample ID: 0121- 01
Date: 1/27/21
Weather: Cloudy

161.64 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 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.
1025		9.6	1019	8.38	7.02	263.4	3.90	
1030		9.7	1027	2.41	7.22	-3.8	3.30	
1033		9.8	974	1.05	7.22	-54.6	2.64	
1036		9.7	979	0.80	7.23	-67.6	2.44	
1039		9.8	984	0.74	7.24	-71.8	2.41	
1042		9.8	987	0.69	7.24	-74.9	2.35	
1045	161.79	9.7	1003	0.61	7.25	-81.4	2.25	

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

SAMPLER: Sam Baker
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: EQD
Sample ID: 0121- 02
Date: 1/27/21
Weather: cloudy

160.20 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 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.
1120		8.9	558	8.17	7.59	66.7	2.44	
1125		9.6	547	4.02	7.49	69.1	2.82	
1128		9.7	548	2.51	7.78	24.7	4.01	
1131		9.7	549	1.72	8.02	-22.2	8.05	
1134		9.7	548	1.31	8.07	-51.8	6.09	
1137		9.7	547	1.01	8.11	-89.6	4.42	
1140	166.20	9.8	546	0.82	8.07	-103.6	3.76	

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

Took 2 minutes to get water to surface

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: EMW
Sample ID: 0121- 03
Date: 1/27/21
Weather: Cloudy

151.96 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.
1220		9.2	598	7.65	7.27	64.8	3.65	
1225		9.9	607	3.68	7.12	66.1	6.63	
1228		10.0	596	2.62	7.26	42.4	5.24	
1231		10.1	572	1.81	7.50	7.7	4.91	
1234		10.1	566	1.43	7.64	-12.3	4.56	
1237		10.1	556	1.15	7.77	-37.7	3.61	
1240		10.0	552	1.01	7.84	-57.0	4.59	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: ESD
Sample ID: 0121- 04
Date: 1/27/21
Weather: Cloudy

143.67 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):

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1300		10.9	1129	7.27	7.17	35.4	3.93	
1305		10.9	1256	4.21	7.17	14.3	3.07	
1308		10.9	1260	2.86	7.18	-20.2	3.03	
1311		10.9	1264	1.85	7.18	-56.6	2.59	
1314		11.0	1275	1.33	7.16	-68.8	2.24	
1317		11.0	1290	1.08	7.15	-73.8	2.10	
1320	143.70	11.0	1307	0.93	7.14	-77.0	2.05	

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: EBD
Sample ID: 0121-05
Date: 1/27/21
Weather: cloudy

147.37 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.
1415		9.0	590	8.52	7.80	43.0	4.75	
1420		9.9	566	3.08	7.34	70.3	7.10	
1423		9.9	566	2.02	7.32	69.9	7.67	
1426		10.0	567	1.42	7.33	5.2	5.61	
1429		10.0	568	1.14	7.34	-49.9	4.17	
1432	147.72	10.0	569	0.93	7.40	-91.9	3.77	
1435		10.0	569	0.81	7.44	-109.4	3.87	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: N2D
Sample ID: 0121-06
Date: 1/27/21
Weather: cloudy

146.76 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 40
Flow 300 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.
1520		11.8	1183	3.99	7.01	83.9		
1525		12.2	1190	0.99	6.95	88.6		
1528		12.5	1190	0.51	6.90	93.0	2.03	
1531		12.5	1198	0.42	6.90	93.3	2.06	
1534		12.5	1200	0.35	6.91	92.8	2.01	
1537		12.5	1202	0.30	6.91	96.7	2.00	
1540		12.5	1202	0.28	6.91	90.7	2.02	

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

took 3 minutes to get water to surface.

12p taken as 0121-07 @ 1600

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

SAMPLER: Sam Grant
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: EZD
Sample ID: 0121- 08
Date: 1/27/21
Weather: Cloudy

146.68 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 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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1625		8.9	1351	8.19	7.22	98.7	2.47	
1630		11.8	1473	7.20	7.12	118.8	2.69	
1633		11.7	1491	4.91	6.92	127.8	2.55	
1636		11.6	1514	3.79	6.80	135.1	2.44	
1639		11.6	1507	2.11	6.73	137.3	2.47	
1642		11.7	1489	1.66	6.71	136.8	2.37	
1645		11.7	1478	1.46	6.70	136.6	2.29	

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

VOCs only

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

SAMPLER: Sam Graber
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: ETD
Sample ID: 0121-09
Date: 1/28/21
Weather: rainy

144.63 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 (YSI)
CONTROL SETTINGS:
Refill: dry 9
Discharge: 40 11
Pressure: 60 100
Flow: 100 mL/min 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.
900		12.5	1566	6.62	6.91	231.3		
905		13.2	1871	1.33	6.46	231.1	2.44	
908		13.2	1902	0.95	6.42	321.8		
911		13.3	1934	0.66	6.39	227.2	2.04	
914		13.3	1939	0.56	6.40	221.6		
917		13.3	1942	0.50	6.41	216.0	1.97	
920	144.72	13.3	1942	0.46	6.42	208.3	1.98	

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

SAMPLER: Sam Graber
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E6D
Sample ID: 0121- 10
Date: 1/28/21
Weather: partly sunny

146.72 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 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.
1005		12.3	760	4.51	7.46	-110.1	3.35	
1010		13.5	682	1.02	7.56	-159.9	2.19	
1013		13.5	681	0.95	7.57	-157.9		
1016		13.7	680	0.62	7.57	-156.2	2.04	
1019		13.7	680	0.63	7.56	-156.9		
1022		13.7	679	0.63	7.56	-157.3	2.08	
1025	148.25	13.7	678	0.45	7.58	-158.6	1.99	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: DNR
Sample ID: 0121-11
Date: 1/28/21
Weather: cloudy

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

Meter: MP-20 / (YSI)

DTW
TOS
Intake
BOS
Total Depth

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 (NA)
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.
1115		10.5	874	1.46	7.31	57.6	0.40	

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

Ran pump for 10 Minutes prior to sampling.

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: WR1
Sample ID: 0121- WR
Date: 1/ 28 /21
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.
1150		0.5	892	2.76	7.23	108.6	0.05	

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

Ran pump for 10 minutes before sampling.

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

SAMPLER: Sam Graber
Printed Name

Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH4	pH 7	DO	Turbidity	Comments/Exceptions
Date	1/27/21					
Time	915					
Weather (sky or precip, temp)	Cloudy					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	~~1000, 10, 0.2~~ 800, ~~100, 20,~~ <0.1	
Pre-Cal Reading	1365	4.07	7.00	8.09		
Post Cal Reading	1413	4.01	7.00	8.50		
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	SFB					
Instrument Type, ID	MP20 / YSI 556				~~MicoTPW / HACH2000~~	
Calibration Location	CSWF					

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

using new turb meter

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH4	pH 7	DO	Turbidity	Comments/Exceptions
Date	1/28/21					
Time	800					
Weather (sky or precip, temp)	Cloudy					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1431	3.98	6.90			
Post Cal Reading	1413	4.01	7.00	8.5		
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	SEG					
Instrument Type, ID	MP20 / YSI 556				MicoTPW / HACH2000	
Calibration Location	CRWF					

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

New turb meter

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	2-2-21	**PROJECT NAME**	Island County Landfill
TEMP	47	**BARO**	29.58	**WIND**	5 MPH SE	**WEATHER**	Rain

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 - 2000	1	$185.00 Daily	SCS Field Service	1	$185.00

INSTRUMENT CALIBRATION (CAL. GAS)		CH4 (%-VOL)	02 (%-VOL)	CO2 (%-VOL)		
MODEL	S/N					
Gem – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1 Blower # 2			8.20””	SV LFG		50% Open 50% Open

Propane Tank Level	Propane Line PSI					
50% Full	12					

SUMMARY	1130 SDG onsite to monitor the Gas Probes and the Extraction Wells.
1200 Calibrate the Gem - 2000	
1222 Monitor the Probes.	
1337 Completed Monitoring.	
1345 Post Calibration	
1400 SDG offsite	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 2-2-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: SE Barometric Pressure: 29.58 Hg

Air Temperature: 47 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. 10772

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

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

Post-monitoring Calibration Check

Time	CH4	CO2	O2
13:45	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	2-3-21	**PROJECT NAME**	Island County Landfill
TEMP	50	**BARO**	29.77	**WIND**	5 MPH SE	**WEATHER**	Rain

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 - 2000	1	$185.00 Daily	SCS Field Service	1	$185.00

INSTRUMENT CALIBRATION (CAL. GAS)		CH4 (%-VOL)	02 (%-VOL)	CO2 (%-VOL)		
MODEL	S/N					
Gem – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	73922	3.6	8.20””	SV	3.6”	50% Open
Blower # 2	5102	3.6		LFG	2.2”	50% Open

Propane Tank Level	Propane Line PSI					
50% Full	12					

SUMMARY	0710 SDG onsite to monitor the Gas Probes and the Extraction Wells.
0740 Calibrate the Gem - 2000	
0800 Monitor the Probes.	
0055 Monitor the Extraction Wells.	
1435 Completed Monitoring.	
1500 Post Calibration	
1530 SDG offsite	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 2-3-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: SW Barometric Pressure: 29.77 Hg

Air Temperature: 47 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. 10772

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

Time	CH4	CO2	O2
07:10	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
08:55	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	3-16-21	**PROJECT NAME**	Island County Landfill
TEMP	46	**BARO**	29.93	**WIND**	5 MPH SE	**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	G500232	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74033	3.5	7.90'	SV	4.0"	50% Open
Blower # 2	5351	3.5		LFG	2.0"	50% Open

Propane Tank Level	Propane Line PSI
48% Full	12

SUMMARY	0710 SDG onsite to monitor the Gas Probes and the Extraction Wells.
0730 Calibrate the Gem - 5000	
0758 Monitor the Probes.	
0900 monitoring the Extraction Wells.	
1041 Completed Monitoring.	
1400 Extraction Well Adjustments.	
VGW-4	-0.3"H2O to -0.1"H2O
VGW-6	-0.3"H2O to -0.1"H2O
HGW-2	-0.3"H2O to -0.1"H2O
HGW-6	-0.3" H2O to- 0.2" H2O
HW-7	-0.4" H2O to- 0.2" H2O
HGW-8	-0.4" H2O to - 0.2" H2O
VGW-5	-5.1 H2O to -7.0" H2O
1530 post Calibration	
1600 SDG Offsite	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 3-16-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 5 MPH Wind Direction: SE Barometric Pressure: 29.93 Hg

Air Temperature: 46 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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
07:30	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
17:30	50.0%	35.0%	20.9%

NOTES:

April 21, 2021
File No. 04207033.14

Subject: **Second Quarter 2021 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Dates: April 19-20, 2021
Field Staff: Sam Graber, Andres Lopez & Ruben Martinez

- This was a semi-annual monitoring event.
- Duplicate samples were taken from monitoring wells N2D and N3D.
- The YSI Multiparameter meter was calibrated daily prior to sampling.
- Monitoring well E1S was sampled for Nitrate only.

Sample Date	Sample Number	Well ID
4/19/2021	0421-01	D0T
4/20/2021	0421-02	E3D
4/19/2021	0421-03	E5D
4/20/2021	0421-04	E6D
4/20/2021	0421-05	E7D
4/19/2021	0421-06	E8D
4/19/2021	0421-07	E4S
4/19/2021	0421-08	E4D
4/19/2021	0421-09	NE1S
4/19/2021	0421-10	NE1D
4/20/2021	0421-11	N5D
4/20/2021	0421-12	S11D
4/20/2021	0421-13	S11S
4/20/2021	0421-14	S10S
4/19/2021	0421-15	DNR
4/19/2021	0421-16	N1D
4/20/2021	0421-17	N2D
4/20/2021	0421-18	N2S
4/19/2021	0421-19	N3D
4/19/2021	0421-20	N3S
4/20/2021	0421-21	E2D
4/20/2021	0421-22	E2S
4/19/2021	0421-23	E1D
4/19/2021	0421-24	E1S

4/20/2021	0421-25	WR1
4/19/2021	0421-26	E9D
4/19/2021	0421-27	E10D
4/20/2021	0421-28	N2D (Duplicate)
4/19/2021	0421-29	N3D (Duplicate)

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: DOT
Sample ID: 0421- 01
Date: 4/19/21
Weather: Sunny

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 (NA)
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.
1655		Begun Purge						
1705		12.1	761	1.19	7.85	-110.2	0.80	

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

meter reading: 0149960

- Ce

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E3D
Sample ID: 0421-02
Date: 4/20/21
Weather: Sunny

149.50'
DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 1
Discharge 1
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1330		14.4	0.711	8.60	8.05	201.3	3.3	
1335		12.4	0.747	8.45	7.95	207.5	3.1	
1338		12.3	0.758	8.38	7.88	209.6	3.1	
1341		12.0	0.760	8.06	7.78	212.3	3.1	
1344		12.0	0.761	6.07	7.64	214.5	3.1	
1347		12.0	0.762	4.41	7.59	212.8	3.0	
1350		11.9	0.763	3.15	7.60	205.8	3.1	

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: ESD
Sample ID: 0421-03
Date: 4/19/21
Weather: Sunny

143.73 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
Discharge 11
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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1445		13.8	1249	7.87	7.28	86.3	4.23	
1450		13.2	1261	3.91	7.28	62.8	3.71	
1453		12.8	1287	2.96	7.28	50.9	3.30	
1456		12.6	1257	1.63	7.37	-42.6	3.02	
1459		12.5	1277	1.13	7.37	-78.2	2.80	
1502		12.4	1307	0.90	7.35	-89.7	2.75	
1505	143.78	12.5	1320	0.83	7.34	-92.6	2.91	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E6D
Sample ID: 0421-04
Date: 4/20/21
Weather: Sunny

147.0' 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.
1435		17.0	0.691	2.16	7.73	-85.1	4.5	
1440		16.2	0.694	1.81	7.69	-134.2	3.7	
1443		16.1	0.695	1.76	7.68	-140.1	3.5	
1446		16.0	0.696	1.58	7.67	-147.2	3.4	
1449		16.1	0.695	1.44	7.66	-150.5	3.4	
1452		15.9	0.696	1.33	7.65	-152.8	3.4	
1455		16.0	0.694	1.24	7.65	-154.6	3.4	

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

Use hedge clipper to lift [redacted] lid, screwdriver not good enough

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E7D
Sample ID: 0421-05
Date: 4/30/21
Weather: Sunny

144.5 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 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.
1124		15.0	1.578	6.62	7.35	217.5	3.1	
1129		14.8	1.787	5.19	7.16	222.4	4.0	
1132		14.9	1.914	3.00	6.93	226.4	3.5	
1135		14.6	1.964	1.70	6.78	223.3	3.3	
1138		14.6	1.969	1.28	6.73	218.4	3.4	
1141		14.6	1.968	1.12	6.71	212.2	3.2	
1144		14.5	1.969	1.07	6.70	204.4	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: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E8D
Sample ID: 0421- 06
Date: 4/ 19 /21
Weather: Sunny

147.43 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 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.
1550		12.6	623	9.53	7.94	43.2	4.49	
1555		12.2	582	4.92	7.59	49.6	5.02	
1558		12.1	580	3.54	7.53	50.4	5.67	
1601		12.1	578	2.53	7.50	48.2	5.35	
1604		12.1	578	1.94	7.51	8.3	4.72	
1607		12.2	579	1.63	7.55	-51.3	4.28	
1610	147.72	12.1	579	1.45	7.58	-80.5	4.02	

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

SAMPLER: Sam Gruber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E45
Sample ID: 0421- 07
Date: 4/ 19 /21
Weather: Sunny

140.22 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 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.
1340		11.6	903	8.73	7.55	39.2	17.30	
1345		11.5	1057	5.71	7.26	47.0	10.35	
1348		11.4	1140	4.03	7.18	50.9	10.48	
1351		11.3	1185	3.18	7.17	53.3	11.14	
1354		11.3	1196	2.85	7.16	54.3	11.58	
1357		11.3	1208	2.55	7.16	55.1	13.34	
1400	140.35	11.3	1217	2.36	7.15	56.3	14.75	

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

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

SAMPLER: Sam Gruber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E4D
Sample ID: 0421-08
Date: 4/19/21
Weather: Sunny

151.97 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:

Refill 100 9
Discharge 100 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.
1240		14.3	575	9.28	7.71	61.6	3.01	
1245		12.3	563	8.34	7.17	59.5	3.03	
1248		12.0	562	4.56	7.25	39.4	4.37	
1251		12.0	559	3.11	7.51	7.7	4.08	
1254		11.9	556	2.17	7.68	-24.9	3.87	
1257		11.8	554	1.58	7.87	-46.6	4.77	
1300		11.9	553	1.38	7.95	-55.8	3.45	
1303	152.18	11.9	553	1.22	8.02	-65.0	3.78	

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: NE15
Sample ID: 0421-09
Date: 4/19/21
Weather: Sunny

143.65' 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 90 | 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.
1210		15.6	0.949	9.13	8.10	54.6	5.1	
1215		14.9	0.946	8.55	7.34	109.2	3.9	
1218		14.7	0.977	7.91	7.22	120.0	4.2	
1221		14.6	0.994	7.39	7.13	127.0	3.6	
1224		14.6	1.001	7.04	7.09	129.9	3.1	
1227		14.5	1.004	6.88	7.08	131.2	2.9	
1230		14.4	1.006	6.75	7.08	131.9	2.9	
1233		14.4	1.007	6.69	7.08	132.4	2.7	

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

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: NE2D
Sample ID: 0421- 10
Date: 4/ 19 /21
Weather: Sunny

156.65' 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 100
Flow 75mL/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.
1042		15.4	0.762	8.17	6.74	265.7	2.5	
1047		15.3	0.764	7.68	6.80	254.8	2.6	
1050		15.0	0.761	6.54	6.93	239.0	2.8	
1053		14.9	0.755	5.17	7.06	220.0	2.7	
1056		14.9	0.751	4.12	7.14	200.8	2.8	
1059		14.8	0.749	3.52	7.20	181.7	3.0	
1102		14.8	0.748	3.03	7.23	163.1	2.8	
1105		14.7	0.747	2.70	7.25	145.2	2.9	

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: NSD
Sample ID: 0421- 11
Date: 4/20/21
Weather: sunny

148.07 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 15 | One Well Volume (liters) | Other:
Discharge 15 | Flow Setting:
Pressure 100 | Total Volume Bailed (liters)
Flow 123 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.
1035		10.5	1199	7.12	7.43	146.7	3.21	
1040		10.4	1312	3.91	7.25	148.8	3.24	
1043		10.3	1400	2.76	7.16	151.1	3.25	
1046		10.3	1434	1.99	7.12	151.2	3.23	
1049		10.3	1451	1.51	7.11	150.8	3.22	
1052		10.4	1462	1.25	7.11	150.1	3.22	
1055	148.05	10.4	1465	1.07	7.11	149.6	3.23	

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

WS1 = 109.64'

* Dept new lock

NW5 = 121.73'

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: SMD
Sample ID: 0421- 12
Date: 4/20 /21
Weather: Sunny

144.92 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 375 mL/minute

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.
1225		10.7	975	6.53	7.68	122.9	5.45	
1230		10.6	960	2.08	7.46	116.1	5.01	
1233		10.4	947	1.25	7.45	101.2	4.75	
1236		10.4	952	0.82	7.48	90.0	4.65	
1239		10.4	955	0.76	7.49	84.2	4.54	
1242		10.4	957	0.69	7.51	-25.8	4.62	
1245		10.4	959	0.62	7.52	-49.9	4.77	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: S115
Sample ID: 0421-13
Date: 4/20/21
Weather: Sunny

133.44 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 (YSI)

CONTROL SETTINGS:
Refill: 12
Discharge: 8
Pressure: 70
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.
1312		11.8	902	3.34	7.75	-12.5	2.89	
1317		10.6	939	7.46	7.46	-14.6	2.64	
1320		10.5	942	3.67	7.38	-64.7	2.68	
1323		10.5	945	2.15	7.43	-74.9	2.65	
1326		10.5	944	1.40	7.46	-79.9	2.67	
1329		10.5	943	1.02	7.48	-82.7	2.60	
1332		10.5	943	0.80	7.49	-84	2.73	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: S10S
Sample ID: 0421- 14
Date: 4/ 20 /21
Weather: Sunny

134.70 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 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.
1224		14.5	1.052	7.74	7.58	202.7	3.2	
1229		14.8	1.202	[redacted] 3.55	7.02	226.2	3.5	
1232		14.6	1,195	2.81	6.96	221.8	3.4	
1235		14.5	1.197	2.63	6.95	216.7	6.1	
1238		14.4	1.202	2.59	6.94	211.6	6.9	
1241		14.4	1.202	2.53	6.93	206.3	7.4	
1244		14.4	1.202	2.48	6.93	200.5	10.0	

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: DNR
Sample ID: 0421- 1S
Date: 4/19/21
Weather: Sunny

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 (NA)
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.
1735	Began Purge							
1743		13.4	899	2.08	7.48	33.2	0.39	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: N7D
Sample ID: 0421-16
Date: 4/19/21
Weather: Sunny

134.80' DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 / YSI

CONTROL SETTINGS:
Refill 8
Discharge 7
Pressure 85
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			

Notes / Observations (color, odor, anomalies, etc):
wasp nest in well

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1344		13.1	1.517	10.08	8.07	113.1	4.1	
1349		11.3	1.620	9.53	7.77	137.1	3.2	
1352		11.8	1.631	8.63	7.62	145.6	3.1	
1355		12.0	1.637	5.07	7.36	151.6	3.6	
1358		11.9	1.637	3.30	7.31	116.3	3.4	
1401		11.9	1.639	2.42	7.29	66.1	3.2	
1404		11.9	1.638	1.88	7.28	24.1	3.0	

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

SAMPLER: Andres Lopez
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: N2D
Sample ID: 0421- 17
Date: 4/ 20 /21
Weather: Sunny

DTW: 146.80
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: [redacted] mL/min
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) 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.
842		12.8	1.208	2.97	6.64	237.7	3.2	
847		12.9	1.203	1.59	6.89	235.0	3.2	
850		13.0	1.203	1.27	6.95	232.1	3.0	
853		13.0	1.211	1.11	6.97	228.9	2.9	
856		13.0	1.216	1.00	6.99	224.5	3.0	
859		13.0	1.219	0.93	7.00	219.1	3.0	
902		13.0	1.220	0.88	7.01	214.5	3.0	

Notes / Observations (color, odor, anomalies, etc):
DUP taken @ 930
0421 - 28

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

SAMPLER: Andres Lopez
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: N2S
Sample ID: 0421- 18
Date: 4/20/21
Weather: Sunny

135.15 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 90 | Total Volume Bailed (liters)
Flow [redacted] ml/min
150

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.
942		14.1	0.820	7.81	7.76	88.1	3.5	
947		13.7	1.103	5.76	7.13	143.4	4.3	
950		13.7	1.169	4.20	7.04	158.4	5.2	
953		13.8	1.209	3.21	6.98	162.0	4.2	
956		13.9	1.235	2.56	6.94	161.4	4.3	
959		13.9	1.251	1.91	6.92	156.7	4.5	
1002		13.9	1.254	1.79	6.91	154.0	4.6	

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

SAMPLER: Andres Lopez
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: N3D
Sample ID: 0421-19
Date: 4/19/21
Weather: Sunny

148.83' 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 80 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			

Notes / Observations (color, odor, anomalies, etc):
DUP taken @ 1530 [redacted]
0421-29

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1445		16.7	0.774	9.00	7.80	151.0	3.1	
1450		14.3	0.733	6.64	6.79	194.5	3.1	
1453		14.0	0.732	6.52	6.77	195.4	3.0	
1456		13.7	0.733	4.90	6.87	189.2	3.2	
1459		13.5	0.753	3.04	7.08	177.1	3.2	
1502		13.3	0.758	2.33	7.23	167.5	3.4	
1505		13.2	0.757	1.91	7.35	156.9	3.7	
1508		13.2	0.752	1.62	7.45	142.6	3.9	
1511		13.1	0.748	1.38	7.52	122.1	3.9	

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: N35
Sample ID: 0421- 20
Date: 4/19/21
Weather: Sunny

138.90' 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 300ml/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.
1545		15.0	0.999	7.94	7.50	172.7	5.1	
1550		13.4	1.195	5.95	7.24	184.6	3.9	
1553		13.3	1.183	6.52	7.23	184.5	3.7	
1556		13.2	1.176	6.70	7.22	184.6	3.9	
1559		13.1	1.171	6.80	7.21	184.7	4.1	
1602		13.1	1.169	6.82	7.20	184.6	5.3	
1605		13.1	1.168	6.85	7.20	184.2	6.3	

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

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

SAMPLER: Andres Lopez
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: ~~0420905000~~ 042070033.14
Site: ~~Stafford Creek LF~~ CSWF
Well ID: EZ1
Sample ID: ~~SG-03-~~21- 0421 - 21
Date: ~~4/~~ 4/20/21
Weather: Sunny

146.62
~~146.8~~ 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 105 | Total Volume Bailed (liters)
Flow 200 mL/min

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

Sample Containers:

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
~~3:28~~ ~~1628~~ 1528		14.1	1520	1.96	6.64	60.3	3.69	
3:33		13.5	1481	1.24	6.58	63.7	2.84	
3:36		13.3	1494	0.92	6.57	65.1	2.95	
3:39		13.3	1506	0.80	6.57	65.8	3.08	
3:42		13.3	1510	0.70	6.56	66.2	3.27	
~~3:45~~ ~~1645~~ 1545		13.3	1512	0.66	6.56	66.7	3.53	
1548		13.3	1516	0.60	6.56	67.4	3.94	

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

SAMPLER: Ruben Martinez-Barrientos
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E25
Sample ID: 0421-22
Date: 4/20/21
Weather: Sunny

136.45 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 6 8
Pressure 8/10
Flow 300 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.
1428		13.2	1288	6.51	6.98	38.7	4.02	
1431		13.2	1302	1.88	6.70	43.0	3.13	
1434		13.1	1305	0.92	6.68	43.8	3.13	
1437		13.1	1305	0.69	6.68	44.4	3.07	
1440		13.1	1305	0.54	6.68	45.5	3.12	
1443		13.1	1305	0.50	6.64	45.9	3.05	
1446		13.1	1303	0.45	6.64	46.6	3.12	
1449		13.1	1302	0.42	6.64	47.2	3.19	
1448		sample time						

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

SAMPLER: Sam Graber
Printed Name

Signature

SCS ENGINEERS
2405 140th ave NE #107
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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E1D
Sample ID: 0421- 23
Date: 4/19/21
Weather: Sunny

137.10' 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 65
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):

Ran out of nitrogen @ 1646

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1638		12.0	1.664	9.13	7.50	204.2	3.0	
1643		12.4	1.828	8.56	7.30	217.7	2.9	
1646		12.2	1.964	7.53	7.24	223.0	2.9	
[redacted]								
1727		11.6	2.028	4.74	7.34	235.7	3.0	
1732		12.0	2.010	2.62	7.11	239.3	6.5	
1735		12.0	2.001	2.24	7.10	238.1	20.2	
1738		12.4	1.993	1.98	7.09	235.8	26.2	
[redacted]								

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

SAMPLER: Andres Lopez
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E-7S
Sample ID: 0421- 24
Date: 4/ 19 /21
Weather: Sunny

137.08 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 300ml/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.
1803		12.0	1.294	9.00	7.56	201.5	3.0	
1808		12.1	1.306	7.70	7.13	227.3	3.5	
1811		11.8	1.307	[redacted] 7.55	7.08	231.9	3.2	
1814		11.6	1.302	7.50	7.06	235.2	3.8	
1817		11.5	1.298	7.47	7.05	237.7	5.0	
1820		11.5	1.299	7.45	7.04	239.6	5.0	
1823		11.5	1.301	7.44	7.04	241.4	4.1	

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

SAMPLER: Andres Lopez
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: WR1
Sample ID: 0421-25
Date: 4/20/21
Weather: Sunny

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.
350		Began Purge						
900		10.0	911	2.70	6.85	170.3	0.21	

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

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

SAMPLER: Sam Gabe
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: EPD
Sample ID: 0421-26
Date: 4/19/21
Weather: Sunny

160.28 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: ~~100~~ 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):

* Slow to set water to surface.

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1113		begin purge.						
1122		water to surface						
1125		11.6	591	9.41	7.67	43.8	6.41	
1130		10.8	555	4.77	7.74	44.7	7.77	
1133		10.7	556	2.60	8.20	11.6	7.17	
1136		10.6	555	1.81	8.28	-20.2	6.12	
1139		10.6	554	1.39	8.36	-40.1	5.65	
1142		10.3	553	1.05	8.35	-72.7	5.67	
1145		10.9	553	0.89	8.33	-89.5	5.40	

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

SAMPLER: Sam Gribe
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF
Well ID: E10D
Sample ID: 0421-27
Date: 4/19/21
Weather: sunny

161.71 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: 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.
1023		10.7	1083	3.22	7.36	174.5	4.02	
1028		10.4	1031	2.41	7.50	10.0	3.77	
1031		10.4	989	1.48	7.50	-45.0	3.47	
1034		10.4	990	1.21	7.51	-62.8	3.31	
1037		10.4	990	0.89	7.51	-80.7	3.17	
1040		10.3	1003	0.74	7.51	-89.4	3.13	
1043		10.4	1011	0.69	7.51	-92.3	3.07	

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

SAMPLER: Sam Gruber
Printed Name

Signature

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GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH4	pH 7	DO	Turbidity	Comments/Exceptions
Date	4/19/21					
Time	915					
Weather (sky or precip, temp)	Sunny					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	~~1000, 10, 0.2~~ 800, 100, 20, <0.1	
Pre-Cal Reading	1410	~~6.95~~ 3.95	6.86			
Post Cal Reading	1413	4.01	7.00	8.5		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	SEG					
Instrument Type, ID	MP20 / YSI 556 (DDS pro)				MicoTPW / HACH2000	
Calibration Location	CSWF					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH4	pH 7	DO	Turbidity	Comments/Exceptions
Date	4/19/21					
Time	915 -					
Weather (sky or precip, temp)	Sunny					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1.196	3.95	7.00	9.51	—	
Post Cal Reading	1.413	4.01	7.00	8.50	—	
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	AEL					
Instrument Type, ID	MP20 / YSI 556				~~MicoTPW / HACH2000~~	
Calibration Location	CSWF					

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

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GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH4	pH 7	DO	Turbidity	Comments/Exceptions
Date	4/20/21					
Time	740					
Weather (sky or precip, temp)	foggy					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1395	4.21	7.30			
Post Cal Reading	1413	4.01	7.00	8.5		
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	SEG					
Instrument Type, ID	MP20 / YSI 556 (DO5 Pro)				MicoTPW / HACH2000	
Calibration Location	CSWF					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH4	pH 7	DO	Turbidity	Comments/Exceptions
Date	4/20/21					
Time	740					
Weather (sky or precip, temp)	Partly Sunny					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1.380 [redacted]	4.06	7.00	9.76	—	
Post Cal Reading	1.413	4.01	7.00	8.50	—	
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	AEL					
Instrument Type, ID	MP20 / YSI 556				~~MicroTPW / HACH2000~~	
Calibration Location	CSWF					

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

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.14	TASK NO.	1,2,3	DATE	4-13-21	PROJECT NAME	Island County Landfill
TEMP	63	BARO	29.89	WIND	6 MPH N	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 – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74115	3.5	7.75’	**SV**	**4.0”**	50% Open
Blower # 2	5531	3.5		**LFG**	**2.0”**	50% Open

Propane Tank Level	Propane Line PSI
48% Full	12

SUMMARY

1315 SDG onsite to monitor the Gas Probes

1330 SDG calibrating the Gem - 2000

1350 SDG monitoring the Gas Probes.

1451 SDG completed Monitoring the Probes for the day,

1500 Post Calibration of the Gem – 2000.

1515 SDG offsite

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 4-13-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.14

WEATHER OBSERVATIONS

Wind Speed: 6 MPH Wind Direction: N Barometric Pressure: 30.14Hg

Air Temperature: 63 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. 10772

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

Time	CH4	CO2	O2
13:30	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
15:00	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.14	**TASK NO.**	1,2,3	**DATE**	4-14-21	**PROJECT NAME**	Island County Landfill
TEMP	63	**BARO**	29.89	**WIND**	6 MPH N	**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	G500232	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74115	3.5	7.75'	**SV**	**4.0"**	50% Open
Blower # 2	5531	3.5		**LFG**	**2.0"**	50% Open

Propane Tank Level	Propane Line PSI					
48% Full	12					

SUMMARY 0730 SDG onsite to monitor the Gas Probes and the Extraction Wells.

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 4-14-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.14

WEATHER OBSERVATIONS

Wind Speed: 6 MPH Wind Direction: N Barometric Pressure: 29.89Hg

Air Temperature: 63 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. 10772

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
14:15	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.14	**TASK NO.**	1,2,3	**DATE**	4-15-21	**PROJECT NAME**	Island County Landfill
TEMP	57	**BARO**	29.97	**WIND**	6 MPH N	**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 – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1		3.5	7.75'	**SV**	**4.0"**	50% Open
Blower # 2		3.5		**LFG**	**2.0"**	50% Open

Propane Tank Level	Propane Line PSI					
48% Full	12					

SUMMARY	0645 SDG onsite to monitor the Gas Probes
0700 SDG calibrating the Gem - 2000	
0723 SDG monitoring the Gas Probes.	
0934 SDG completed the Monitoring Event	
0940 Post Calibration of the Gem – 2000.	
1000 SDG offsite	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 4-15-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.14

WEATHER OBSERVATIONS

Wind Speed: 6 MPH Wind Direction: N Barometric Pressure: 20.97Hg

Air Temperature: 57 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. 10772

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

Time	CH4	CO2	O2
07:23	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
09:34	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	5-26-21	**PROJECT NAME**	Island County Landfill
TEMP	59	**BARO**	29.86	**WIND**	6 MPH S	**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 – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74155	3.3	7.75’	SV	4.0”	50% Open
Blower # 2	5785	3.2		LFG	2.0”	50% Open

Propane Tank Level	Propane Line PSI					
45% Full	12					

SUMMARY	0900 SDG onsite to monitor the Extraction Wells, and Gas Probes
0915 SDG calibrating the Gem - 2000	
0932 SDG monitoring the Gas Probes.	
1129 SDG Monitoring the Extraction Wells	
1300 Post Calibration of the Gem - 2000	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 5-26-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 6 MPH Wind Direction: S Barometric Pressure: 20.86Hg

Air Temperature: 59 F General Weather Conditions: Overcast

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. 10772

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

Time	CH4	CO2	O2
09:15	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

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

NOTES:

August 4, 2021
File No. 04207033.14

Subject: **Third Quarter 2021 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Dates: July 27 & 28, 2021
Field Staff: Sam Graber

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

Sample Date	Sample Number	Well ID
7/27/21	0721-01	N2D
7/27/21	0721-02	E4D
7/27/21	0721-03	E10D
7/27/21	0721-04	E9D
7/27/21	0721-05	E5D
7/27/21	0721-06	E8D
7/27/21	0721-07	E7D
7/27/21	0721-08	E2D
7/28/21	0721-09	E6D
7/28/21	0721-10	WR1
7/28/21	0721-11	DNR
7/28/21	0721-12	DNR (Duplicate)

SCS ENGINEERS
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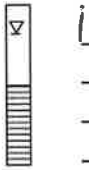
Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: N2D
Sample ID: 0721-01
Date: 7/27/21
Weather: Sunny



146.65 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 300 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):
4 minutes to get water.

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
940		13.6	1228	1.42	6.61	192.0		
945		13.6	1230	0.77	6.71	184.2		
948		13.7	1235	0.65	6.76	170.2		
951		13.8	1242	0.55	6.81	167.4	4.28	
954		13.9	1243	0.56	6.84	161.2		
957	146.70	13.9	1243	0.56	6.87	157.1	4.80	
1000		13.9	1245	0.54	6.88	154.0		

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: E4D
Sample ID: 0721-02
Date: 7/27/21
Weather: Sunny

152.09 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 120 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.
1045		15.3	695	8.76	7.36	131.3	5.21	
1050		13.4	628	5.91	7.29	119.2	7.96	
1053		13.1	611	4.80	7.41	95.6	6.11	
1056		12.8	601	3.65	7.50	73.5	5.38	
1059		12.8	584	2.47	7.69	41.2	4.49	
1102	152.30	12.8	571	1.77	7.89	10.0	4.12	
1105		12.7	566	1.56	7.98	-7.0	3.86	
1108		12.8	567	1.36	8.04	-23.3	3.82	
1111	152.30	13.0	563	1.22	8.07	-38.1	4.55	

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

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

SAMPLER: Sam Gabe
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: E10D
Sample ID: 0721-03
Date: 7/27/21
Weather: Sunny

162.08 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 150 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.
1140		12.1	1071	9.87	7.88	43.8	4.53	
1145		11.1	1046	2.75	7.63	-36.7	4.01	
1148		11.0	992	1.50	7.58	-81.4	3.75	
1151	162.28	11.0	990	1.17	7.56	-94.6	3.55	
1154		11.0	996	0.95	7.55	-103.6	3.50	
1157		10.9	1010	0.82	7.54	-109.7	3.53	
1200	162.20	11.0	1022	0.75	7.54	-113.2	3.50	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: E9D
Sample ID: 0721- 04
Date: 7/27 /21
Weather: Sunny

160.70 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 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.
1245		13.9	576	8.78	7.72	30.7	3.64	
1250		12.3	562	4.44	7.98	23.3	8.34	
1253		12.2	562	3.50	8.12	11.8	8.53	
1256		12.1	562	2.83	8.30	1.2	8.34	
1259		12.1	560	1.83	8.40	-32.7	6.78	
1302		12.0	560	1.63	8.39	-47.6	6.24	
1305	165.83	12.0	560	1.39	8.38	-65.1	5.80	

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

Took 7 minutes to get water

may need to use psi of 105 to get water.

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: ESD
Sample ID: 0721-05
Date: 7/27/21
Weather: Sunny

143.82 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 120 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.
1350		15.0	1460	7.45	7.16	56.2	4.55	
1355		14.1	1392	2.81	7.25	38.1	3.91	
1358		13.3	1267	1.86	7.37	23.1	3.37	
1401		13.1	1266	1.28	7.39	-50.5	3.06	
1404		13.0	1295	1.01	7.36	-78.2	3.00	
1407		12.8	1342	0.79	7.34	-102.5	2.93	
1410		12.9	1358	0.70	7.32	-107.2	2.89	
~~1410~~ 1413	143.82	12.8	1372	0.66	7.31	-109.7	2.88	

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: E8D
Sample ID: 0721-06
Date: 7/27/21
Weather: Sunny

147.46 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 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		15.1	599	9.82	7.95	32.9	4.22	
1510		12.8	582	4.82	7.58	43.2	4.98	
1513		12.6	583	2.11	7.51	37.7	4.71	
1516		12.4	583	1.67	7.46	30.3	4.65	
1519		12.3	584	1.20	7.50	-62.8	3.86	
1522		12.2	585	0.98	7.57	-106.1	3.64	
1525		12.2	584	0.86	7.61	-124.6	3.65	
1528	147.90	12.2	584	0.79	7.64	-134.5	3.64	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: E7D
Sample ID: 0721-07
Date: 7/27/21
Weather: Sunny

144.50 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 120 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.
1625		18.9	1668	7.33	7.33	45.1	3.42	
1630		16.4	2011	1.39	6.82	49.8	3.72	
1633		16.4	2024	0.94	6.72	48.2	3.40	
1636		16.4	2024	0.78	6.70	46.0	3.42	
1639	144.62	16.3	2029	0.67	6.69	43.5	3.17	
1642		16.3	2035	0.61	6.69	41.6	3.02	
1645	144.50	16.2	2032	0.58	6.69	40.5	3.03	

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

SAMPLER: Sam Gruber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: E2D
Sample ID: 0721- 08
Date: 7/27/21
Weather: Sunny

146.60 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 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.
1723		16.0	1403	9.10	7.43	65.3	2.94	
1728		14.4	1538	5.39	7.01	74.8	2.94	
1731		14.2	1507	2.02	6.92	75.2	2.96	
1734		14.1	1492	1.44	6.87	75.6	3.03	
1737		14.1	1492	1.04	6.85	75.2	3.07	
1740		14.0	1506	0.75	6.85	74.5	2.98	
1743	146.70	14.1	1513	0.66	6.84	73.7	3.79	

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

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

SAMPLER: Sam Gruber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: E6D
Sample ID: 0721- 09
Date: ~~7/22/21~~ 7/28/21
Weather: Sunny

146.66 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 9
Discharge 11
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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
837		16.3	693	3.02	6.30	186.2	4.36	
842		15.9	698	1.56	6.58	22.8	3.87	
845		15.4	703	0.93	6.96	-61.3	3.01	
848		15.4	701	0.77	7.05	-102.0	2.95	
851	147.92	15.5	701	0.69	7.10	-118.2	2.97	
854		15.5	699	0.66	7.13	-126.1	3.04	
857		15.4	695	0.62	7.16	-133.0	2.94	
900		15.5	695	0.61	7.17	-136.3	2.92	

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

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

SAMPLER: Sam Gabor
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: WR1
Sample ID: 0721- 10
Date: 7/ 28 /21
Weather: Sunny

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

Meter: MP-20 YSI

DTW
TOS
Intake
BOS
Total Depth

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.
1010		11.7	907	4.07	7.46	26.0	0.77	

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

Run pump for 10 minutes prior to sampling.

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

SAMPLER: Sam Gruber
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: CSWF (Island Co.)
Well ID: DNE
Sample ID: 0721- 11
Date: 7/20/21
Weather: Sunny

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.
1045		13.2	878	1.81	7.36	58.5	0.53	

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

Ran pump for 10 mins prior to sampling

Dup taken @ 1100 as 0721-12

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

SAMPLER: Sam Gabse
Printed Name

Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Date	7/27/21					
Time	915					
Weather (sky or precip, temp)	sunny					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1375	3.95	6.84			
Post Cal Reading	1413	4.01	7.00	8.5		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	SEG					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWF					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Date	7/28/21					
Time	745					
Weather (sky or precip, temp)	Sunny					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1435	3.90	7.01			
Post Cal Reading	1413	4.01	7.00	8.5		
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	SEB					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWE					

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

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	7-6-21	**PROJECT NAME**	Island County Landfill
TEMP	69	**BARO**	29.87	**WIND**	6 MPH W	**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 – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74195	3.3	7.60’	SV	4.0”	50% Open
Blower # 2	6033	3.3		LFG	2.0”	50% Open

Propane Tank Level	Propane Line PSI					
44% Full	12					

SUMMARY

0700 SDG onsite to Monitor the Extraction Wells, Probes.

0725 SDG calibrating the Gem - 2000

0740 SDG Monitoring the Proibes.

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 2000 CALIBRATION AND PERTINENT DATA

Date: 7-6-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 6 MPH Wind Direction: W Barometric Pressure: 20.87Hg

Air Temperature: 69 F General Weather Conditions: Clear

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. 10772

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

Time	CH4	CO2	O2
07:25	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	7-7-21	**PROJECT NAME**	Island County Landfill
TEMP	56	**BARO**	29.73	**WIND**	1 MPH W	**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 – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1 Blower # 2		3.3 3.3	7.60’	SV LFG	4.0” 2.0”	50% Open 50% Open

Propane Tank Level	Propane Line PSI					
44% Full	12					

SUMMARY	0700 SDG onsite to Monitor the Probes.
0725 SDG calibrating the Gem - 2000	
0742 SDG Monitoring the Probes	
0852 Complete monitoring event	
0900 Post Calibration of the Gem - 2000	
SDG Offsite	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 7-7-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 1 MPH Wind Direction: Sw Barometric Pressure: 20.73Hg

Air Temperature: 56 F General Weather Conditions: Overcast

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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. GM10772

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

Time	CH4	CO2	O2
07:25	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
09:00	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	9-8-21	**PROJECT NAME**	Island County Landfill
TEMP	67	**BARO**	29.87	**WIND**	4 MPH S	**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 – 2000	10772	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74256	3.3	7.50’	SV	4.0”	50% Open
Blower # 2	6422	3.3		LFG	2.0”	50% Open

Propane Tank Level	Propane Line PSI					
42% Full	12					

SUMMARY

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 9-8-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: S Barometric Pressure: 20.75Hg

Air Temperature: 67 F General Weather Conditions: Overcast

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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
07:25	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
	50.0%	35.0%	20.9%

NOTES:

November 1, 2021
File No. 04207033.14

Subject: **Fourth Quarter 2021 Groundwater Monitoring Event**
Coupeville Solid Waste Facility, Island County, Washington

NOTES/SAMPLE DECODING:

Event Dates: October 26-27, 2021
Field Staff: Sam Graber & Andres Lopez

- This was a semi-annual monitoring event.
- Duplicate samples were taken from monitoring wells N2D and N3D.
- YSI Multiparameter meters were calibrated daily prior to sampling.
- Monitoring well E1S was sampled for Nitrate only.
- Monitoring well E1D could not be sampled due to a pump malfunction.

Sample Date	Sample Number	Well ID
10/26/21	1021-01	DOT
10/27/21	1021-02	E3D
10/26/21	1021-03	E5D
10/27/21	1021-04	E6D
10/27/21	1021-05	E7D
10/26/21	1021-06	E8D
10/26/21	1021-07	E4S
10/26/21	1021-08	E4D
10/27/21	1021-09	NE1S
10/27/21	1021-10	NE1D
10/27/21	1021-11	N5D
10/27/21	1021-12	S11D
10/27/21	1021-13	S11S
10/27/21	1021-14	S10S
10/27/21	1021-15	DNR
10/26/21	1021-16	N1D
10/26/21	1021-17	N2D
10/26/21	1021-18	N2S
10/26/21	1021-19	N3D
10/26/21	1021-20	N3S
10/27/21	1021-21	E2D
10/27/21	1021-22	E2S

10/26/21	1021-24	E1S
10/27/21	1021-25	WR1
10/26/21	1021-26	E9D
10/26/21	1021-27	E10D
10/26/21	1021-28	N2D (Duplicate)
10/26/21	1021-29	N3D (Duplicate)

* No sample “-23” was collected

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: OOT
Sample ID: 1021- 01
Date: 10/ 26 /21
Weather: Cloudy

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

Meter: MP-20 YSI

DTW
TOS
Intake
BOS
Total Depth

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.
1710		11.8	780	1.09	7.86	-130.8	0.66	

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

meter reading

016777

DTW at WLS

= 109.80

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

SAMPLER: Sam Gabse
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E3D
Sample ID: 1021- 02
Date: 10/27/21
Weather: Partly Sunny

149.50' 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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1025	149.50'	11.40	581	8.70	8.26	-52.3	3.31	
1030		11.90	724	8.79	8.05	-46.3		
1035	149.60'	11.60	736	8.76	7.99	-47.8	2.74	
1036	~~149.~~	11.51	740	8.66	7.93	-45.4		
1039	149.60	11.39	743	6.90	7.73	-43.4	3.73	
1042		11.32	744	5.37	7.66	-47.0		
1045	149.60	11.31	744	4.21	7.65	-52.3	3.62	

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

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: ESD
Sample ID: 1021- 03
Date: 10/26 /21
Weather: Cloudy

143.59 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 10.5
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.
1500		13.5	1406	6.88	7.16	10.0	5.69	
1505		12.3	1388	3.32	7.29	-60.3	3.78	
1508		12.2	1362	2.01	7.33	-92.8	3.32	
1511		12.2	1352	1.42	7.35	-115.4	3.09	
1514		12.1	1340	1.06	7.36	-124.4	2.91	
1517	143.65	12.1	1364	0.93	7.35	-129.6	2.98	
1520		12.0	1380	0.86	7.34	-133.2	3.81	

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

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

SAMPLER: Sam Baker
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E6D
Sample ID: 1021-04
Date: 10/27/21
Weather: Cloudy

146.80' DTW
TOS
Intake
BOS
Total Depth

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

CONTROL SETTINGS:
Refill 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.
1247	146.80'	14.85	715	1.90	7.87	-99.2	5.21	
1252		14.87	694	1.30	7.75	-146.8		
1255	147.50'	14.89	695	1.12	7.75	-153.5	3.93	
1258		14.88	694	0.95	7.75	-159.0		
1301	147.80'	14.85	693	0.86	7.75	-161.7	3.43	
1304		14.86	692	0.80	7.75	-163.5		
1307	147.90'	14.85	691	0.77	7.75	-164.1	3.27	

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

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E7D
Sample ID: 1021- 05
Date: 10/ 27 /21
Weather: Partly Sunny

144.80' 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 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):
Flooded upon arrival

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1125	144.80'	15.16	1430	7.50	7.61	-47.5	4.78	
1130		14.63	1710	4.74	7.18	-52.1		
1133	144.80'	14.63	1957	2.23	6.95	-65.1	4.87	
1136		14.58	1905	1.20	6.79	-77.6		
1139	144.80'	14.55	1906	0.97	6.75	-84.6	3.97	
1142		14.54	1907	0.85	6.74	-92.0		
1145	144.80'	14.59	1908	0.77	6.74	-95.2	4.49	

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E8D
Sample ID: 1021- 06
Date: 10/ 26 /21
Weather: cloudy

147.28 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 105 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.
1605		11.3	617	8.75	7.94	-12.9	4.30	
1610		10.9	591	3.96	7.51	-38.3	4.95	
1613		10.9	591	2.00	7.55	-68.2	4.61	
1616		10.9	593	1.29	7.63	-112.0	4.33	
1619		10.9	594	0.97	7.71	-135.0	3.62	
1622		10.9	594	0.93	7.73	-139.6	3.68	
1625	147.51	10.9	594	0.83	7.75	-146.5	3.60	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E45
Sample ID: 1021- 07
Date: 10/ 26 /21
Weather: Sunny

140.32 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 9
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.
1345		11.7	845	7.81	7.50	-47.8	3.59	
1350		11.3	1067	5.15	7.20	-35.9	3.44	
1353		11.3	1137	3.73	7.18	-46.1	3.47	
1356		11.2	1182	2.96	7.17	-57.2	3.44	
1359		11.2	1200	2.67	7.17	-62.3	3.45	
1402		11.2	1221	2.30	7.16	-67.8	3.45	
1405	140.40	11.2	1234	2.11	7.16	-73.4	3.44	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E4D
Sample ID: 1021-08
Date: 10/26/21
Weather: Partly Cloudy

151.90 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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1255		12.1	584	8.28	7.17	-10.9	4.35	
1300		11.4	584	3.40	7.32	-82.4	6.32	
1303		11.3	578	1.83	7.75	-142.0	4.96	
1306		11.2	569	1.21	7.96	-165.7	4.62	
1309		11.2	567	0.94	8.10	-189.6	4.55	
1312	152.23	11.2	571	0.84	8.11	-198.3	7.80	
1315		11.2	576	0.78	8.11	-204.0	9.87	

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

SAMPLER: Sam Gerber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: NE1S
Sample ID: 1021- 09
Date: 10/27 /21
Weather: Cloudy

144.00 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 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.
1423		14.7	799	7.05	7.55	7.4	3.50	
1428		14.3	853	6.47	7.35	6.7	3.62	
1431		14.1	874	6.01	7.27	4.1	3.51	
~~1434~~ 1434		13.8	893	5.55	7.20	2.0	3.43	
1437		13.7	894	5.51	7.20	1.1	3.43	
1440		13.7	895	5.47	7.20	-1.0	3.42	
1443	144.20	13.7	897	5.44	7.20	-2.1	3.38	

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

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

SAMPLER: Sam Gaber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: NE1D
Sample ID: 1021-16
Date: 10/27/21
Weather: cloudy

156.76 DTW
TOS
Intake
BOS
Total Depth

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

CONTROL SETTINGS:
Refill: 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.
1525		16.8	699	6.54	7.29	8.3	3.45	
1530		15.5	687	5.09	7.08	-6.2	4.57	
1533		14.9	682	3.01	7.25	-28.8	6.83	
1536		14.6	676	2.44	7.41	-43.4	11.55	
1539		14.5	673	2.01	7.45	-55.6	8.91	
1542		14.4	671	1.70	7.50	-65.0	7.65	
1545	157.05	14.4	670	1.49	7.52	-71.4	6.38	

Notes / Observations (color, odor, anomalies, etc):
Needs WO-40 on
lock

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: N5D
Sample ID: 1021- 11
Date: 10/ 27 /21
Weather: Cloudy

148.30 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 15
Discharge 15
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1305		10.9	1140	7.57	7.71	36.5	3.32	
1310		10.7	1376	3.21	7.41	-1.0	3.22	
1313		10.7	1395	1.87	7.40	-16.2	3.20	
1316		10.7	1423	1.48	7.39	-30.6	3.19	
1319		10.7	1428	1.13	7.39	-45.6	3.19	
1322		10.7	1428	1.04	7.39	-53.4	3.22	
1325	148.30	10.7	1428	0.98	7.39	-59.9	3.21	

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

SAMPLER: Sam Gruber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: SIID
Sample ID: 1021- 12
Date: 10/ 27 /21
Weather: cloudy

144.97 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 350 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.
915		10.5	926	8.00	7.78	53.2	3.59	
920		10.2	939	3.85	7.52	-13.0	4.21	
923		10.2	936	2.99	7.54	-26.0	4.30	
926		10.2	934	2.60	7.54	-40.5	4.43	
929		10.2	933	1.94	7.56	-58.0	4.47	
932		10.2	934	1.62	7.58	-69.2	4.46	
935	147.30	10.2	934	1.39	7.61	-78.7	4.46	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: S115
Sample ID: 1021- 13
Date: 10/27/21
Weather: cloudy

133.67 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 One Well Volume (liters) Other:
Discharge 8 Flow Setting:
Pressure 70 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.
1005		10.3	912	8.18	7.38	38.0	3.50	
1010		10.2	921	4.15	7.54	-125.9	3.26	
1013		10.2	923	1.92	7.60	-140.1	3.27	
1016		10.2	925	1.06	7.65	-151.9	3.27	
1019		10.2	925	0.72	7.68	-154.7	3.12	
1022		10.2	924	0.61	7.68	-154.3	3.12	
1025	134.25	10.2	924	0.51	7.68	-154.0	3.12	

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

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

SAMPLER: Sam Gruber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: S10S
Sample ID: 1021- 14
Date: 10/ 27 /21
Weather: Cloudy

135.30' DTW
TOS
Intake
BOS
Total Depth

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

CONTROL SETTINGS:
Refill 9.5
Discharge 5.5
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.
846	135.30	13.31	900	8.45	7.14	42.1	3.83	
851		14.29	1168	4.81	7.04	-15.7		
854	135.40'	14.02	1164	3.41	6.99	-45.0	4.04	
857		13.97	1170	3.25	6.98	-56.4		
900	135.40'	14.02	1169	3.10	6.98	-59.3	3.43	
903		13.98	1166	3.09	6.98	-60.7		
906	135.40	13.95	1167	3.02	6.98	-63.5	3.90	

Notes / Observations (color, odor, anomalies, etc):
Bubbles present
Lock needs WD-40 or be replaced
well lid does not close completely

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

SAMPLER: Andres Lopez
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: DNR
Sample ID: 1021- 15
Date: 10/ 27 /21
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):
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.
1200		11.1	887	2.24	7.44	32.3	0.47	

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

Purged for 10 mins

DTW at N45

121.98

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

SAMPLER: Sam Gruber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: NID
Sample ID: 1021-16
Date: 10/26/21
Weather: Cloudy

134.80 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill: 8
Discharge: 7
Pressure: 85
Flow: 300 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.
1610	134.80'	14.50	1156	8.54	8.14	146.7	3.91	
1615		13.95	1409	9.12	7.85	154.0		
1618	134.80'	12.97	1428	9.17	7.77	157.4	3.47	
1621		12.68	1434	6.32	7.48	156.1		
1624	134.80'	12.62	1435	4.48	7.38	44.6	3.31	
1627		12.53	1435	2.70	7.34	-2.8		
1630		12.49	1435	1.97	7.34	-3.9		
1635	134.80'	12.43	1435	1.23	7.34	-27.8	3.81	
1638		12.42	1434	0.98	7.34	-34.9		
~~1641~~								

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

~~Lock~~ ~~replaced~~

Lock needs WD-40 or be replaced

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: N2D
Sample ID: 1021- 17
Date: 10/ 26 /21
Weather: Sunny

146.66' DTW
TOS
Intake
BOS
Total Depth

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

CONTROL SETTINGS:
Refill 12
Discharge 8
Pressure 85
Flow ~~400~~ 300 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.
1320	146.60'	14.26	1193	3.43	7.21	71.7	4.05	
1325		13.50	1178	1.19	7.09	89.1		
1328	146.70'	13.43	1176	0.82	7.08	92.2	3.41	
1331		13.41	1182	0.70	7.08	93.1		
1334	146.70'	13.38	1186	0.63	7.08	93.6	3.51	
1337		13.33	1186	0.58	7.08	93.8		
1340	146.70'	13.34	1186	0.59	7.08	93.5	3.80	

Notes / Observations (color, odor, anomalies, etc):
DUP taken @ 1406
1021-28

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: N2S
Sample ID: 1021-18
Date: 10/26/21
Weather: ~~Sunny~~ Cloudy

134.90' 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 5
Pressure 90
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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1433	134.90'	14.07	888	10.45	7.75	28.7	4.07	
1438		13.32	1213	4.65	7.03	81.3		
1441	135.50'	13.30	1251	3.32	7.00	89.5	8.03	
1444		13.40	1290	2.31	6.97	96.3		
1447	135.50'	13.43	1307	1.90	6.96	98.1	5.12	
1450		13.44	1316	1.63	6.96	99.2		
1453	135.50'	13.45	1321	1.47	6.96	100.1	5.46	
1456		13.49	1326	1.36	6.95	100.7	5.14	

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

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: N3D
Sample ID: 1021- 19
Date: 10/ 26 /21
Weather: Cloudy

148.80' DTW
TOS
Intake
BOS
Total Depth

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

CONTROL SETTINGS:
Refill 8
Discharge 7
Pressure 80
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			

Notes / Observations (color, odor, anomalies, etc):
DUP taken @ 1135
1021 - 29

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1040	148.80'	14.36	640	7.29	6.90	220.5	8.32	
1045		14.57	652	6.23	6.67	213.5		
1048	149.0'	14.08	650	6.05	6.65	210.1	5.57	
1051		13.33	650	4.15	6.87	197.1		
1054	149.0'	13.29	660	3.31	6.98	192.1	4.18	
1057		13.07	670	2.64	7.11	185.5		
1100		12.91	674	1.91	7.26	188.1		
1105	149.0'	12.70	666	1.53	7.51	55.3	4.90	
1108		12.66	664	1.20	7.54	44.3		
1111	149.0'	12.61	659	0.82	7.61	20.2	4.45	

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: N35
Sample ID: 1021- 20
Date: 10/ 26 /21
Weather: Sunny

139.0' 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 80
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.
1205	139.0'	18.28	719	8.87	7.61	116.5	6.30	
1210		13.08	1047	6.21	7.25	124.5		
1213	139.20'	12.93	1040	6.29	7.24	127.5	4.10	
1216		12.79	1036	6.44	7.24	130.4		
1219	139.20'	12.80	1031	6.46	7.23	133.7	3.53	
1222		12.83	1030	6.42	7.24	135.6		
1225	139.20'	12.79	1029	6.44	7.24	138.6	3.61	

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

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E2D
Sample ID: 1021- 21
Date: 10/ 27 /21
Weather: Cloudy

146.90' DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill 10
Discharge 10
Pressure 105
Flow 300 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.
1432	146.90'	13.83	1295	7.97	7.43	-59.7	3.78	
1437		13.51	1386	7.17	7.34	-56.6		
1440	~~146.70~~ 147.00'	13.12	1436	4.00	6.99	-59.0	3.99	
1443		13.23	1421	2.61	6.91	-67.2		
1446	147.00'	13.32	1387	3.54	6.95	-68.2	3.45	
1449	"	13.23	1395	2.54	6.89	-72.0		
1452	147.00'	13.21	1388	2.11	6.91	-79.0	3.28	
~~1457~~								
~~1500~~								
~~1503~~								

Notes / Observations (color, odor, anomalies, etc):
Early in purge, water was being sucked back into the well

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

SAMPLER: Andres Lopez
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E25
Sample ID: 1021- 22
Date: 10/ 27 /21
Weather: Cloudy

136.95' 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 400mL/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.
13:55	136.95'	13.01	1254	3.72	7.00	-67.7	3.71	
1400		12.79	1278	0.99	6.94	-82.7		
1403	137.50'	12.78	1270	0.78	6.94	-89.4	3.62	
1406		12.77	1270	0.59	6.94	-93.5		
1409	~~138.50'~~ 137.50'	12.78	1275	0.53	6.94	-97.8	3.10	
1412		12.78	1272	0.40	6.94	-99.6		
1415	137.50'	12.77	1274	0.33	6.94	-101.0	3.71	

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

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

SAMPLER: Andres LoPEZ
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: EIS
Sample ID: 1021- 24
Date: 10/ 26 /21
Weather: Cloudy

137.15' DTW
TOS
Intake
BOS
Total Depth

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

CONTROL SETTINGS:
Refill 12.5
Discharge 7.5
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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1745	137.05	11.95	1142	9.30	7.49	137.5	3.81	
1750		11.59	1120	7.55	7.10	142.1		
1753	137.40'	11.56	1121	7.44	7.09	143.0	3.18	
1756		11.53	1122	7.37	7.08	143.8		
1759	137.40'	11.52	1120	7.36	7.08	144.8	3.03	
1802		11.51	1121	7.31	7.08	145.9		
1805	137.40'	11.50	1122	7.28	7.08	147.8	3.03	

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: Andres Lopez
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: WR1
Sample ID: 1021-25
Date: 10/27/21
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)
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.
1115		10.6	899	3.10	7.32	72.8	0.46	

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

10 minute purge.

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: ~~E9D~~ ~~E9D~~ E9D
Sample ID: 1021-26
Date: 10/26/21
Weather: Cloudy

160.22 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 125 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):

3 minutes to get water to surface.

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1147		10.9	598	7.64	7.69	14.9	4.58	
1152		10.8	585	3.91	7.99	-32.6	5.41	
1155		10.6	571	2.78	8.32	-97.3	5.72	
1158		10.6	569	2.08	8.37	-121.2	4.83	
1201		10.6	569	1.69	8.36	-135.2	4.63	
1204		10.6	568	1.46	8.32	-142.7	4.44	
1207	166.31	10.6	568	1.30	8.30	-151.8	4.25	

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

SAMPLER: Sam Gruber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: E10D
Sample ID: 1021- 27
Date: 10/ 26 /21
Weather: Cloudy

161.65 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: 150 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.
1045		10.9	1112	8.57	7.52	98.9	7.08	
1050		10.4	1081	2.50	7.50	-105.3	4.05	
1053		10.4	1032	1.91	7.49	-110.7	3.72	
1056		10.4	1018	1.45	7.48	-117.6	3.56	
1059	161.81	10.4	1019	1.15	7.48	-120.6	3.50	
1102		10.4	1025	1.06	7.48	-121.8	3.42	
1105		10.4	1030	0.98	7.48	-122.8	3.37	

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

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

SAMPLER: Sam Graber
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04207033.14
Site: Island Co. (CSWF)
Well ID: EZD
Sample ID: 1021-23
Date: 10/27/21
Weather: Cloudy

137.10' 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 85
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.
944	137.10'	~~14.80~~	~~1316~~	~~9.33~~	~~7.71~~	~~-45.5~~	~~3.62~~	
949		~~12.21~~	~~1439~~	~~7.15~~	~~7.46~~	~~-44.4~~		
[redacted]	1628	13.11	1509	9.25	7.46	-64.6		
[redacted]	1640	12.50	1548	7.34	7.36	-49.5		
[redacted]	1643	11.96	1727	5.31	7.14	-48.8		
[redacted]								
[redacted]								

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

Stop @ 952, water not flowing

5mins w/ 12/8/95 and still no water

[redacted] Restart purge @ 1530 w/ 10/10/100 for 10 mins, lat no water.

~~Pressure~~ pressure like tubing has a good connection w/ quick connect so air is not leaking. Issue w/ pump seems most likely

SCS unable to collect sample due to pump malfunction.

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

SAMPLER: Andres Lopez
Printed Name

Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Date	10/26/21					
Time	935					
Weather (sky or precip, temp)	Cloudy					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1409	4.01	7.03	7.61	—	
Post Cal Reading	1413	4.01	7.00	8.5	—	
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	AEL					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	@ Capeville Recycling Center					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Date	10/26/21					
Time	915					
Weather (sky or precip, temp)	cloudy					
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	1389	4.01	7.01	8.88		
Post Cal Reading	1413	4.00	7.00	8.5		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	SEG					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWF					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Date	10/27/21					
Time	745					
Weather (sky or precip, temp)	cloudy					
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	4.01	7.01			
Post Cal Reading	1413	4.00	7.00	8.5		
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	SEB					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	CSWF					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Date	10/27/21					
Time	750					
Weather (sky or precip, temp)	Cloudy					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1417	4.07	6.93	9.19	—	
Post Cal Reading	1413	4.01	7.00	8.5	—	
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	AEL					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	@ Coupeville Recycling Center					

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

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	11-2-21	**PROJECT NAME**	Island County Landfill
TEMP	51	**BARO**	29.81	**WIND**	3 MPH SE	**WEATHER**	Rain

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	G504835	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74308	3.4	7.50’	SV	4.0”	50% Open
Blower # 2	6755	3.4		LFG	2.0”	50% Open

Propane Tank Level	Propane Line PSI					
38% Full	12					

SUMMARY	0730 SDG onsite to monitor the Extraction Wells, Probes.
0745 SDG calibrating the Gem – 5000.	
0758 SDG monitoring the Gas Probes.	

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 11-2-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 3 MPH Wind Direction: SE Barometric Pressure: 29.81Hg

Air Temperature: 51 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

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

Instrument Serial No. G504835

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

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

Post-monitoring Calibration Check

Time	CH4	CO2	O2
14:15	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	11-3-21	**PROJECT NAME**	Island County Landfill
TEMP	54	**BARO**	29.67	**WIND**	4 MPH SE	**WEATHER**	Rain

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	G504835	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1 Blower # 2		3.4 3.4	7.50’	SV LFG	4.0” 2.0”	50% Open 50% Open

Propane Tank Level	Propane Line PSI					
38% Full	12					

SUMMARY	0730 SDG onsite to monitor the Gas Probes, make Extraction Well Adjustments

0725 SDG calibrating the Gem – 5000.

0803 SDG monitoring the Gas Probes.

1200 SDG completed monitoring for the day.

1220 Post Calibration of the Gem - 5000

13000 SDG offsite

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 11-3-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 4 MPH Wind Direction: SE Barometric Pressure: 29.67Hg

Air Temperature: 54 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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
07:25	50.0%	35.0%	20.9%

Post-monitoring Calibration Check

Time	CH4	CO2	O2
12:20	50.0%	35.0%	20.9%

NOTES:

SCS FIELD SERVICES

DAILY LOG

JOB NO.	04207033.11	**TASK NO.**	1,2,3	**DATE**	12-1-21	**PROJECT NAME**	Island County Landfill
TEMP	54	**BARO**	29.82	**WIND**	8 MPH SE	**WEATHER**	Rain

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	G504835	50%	20.9%	35.0%		

Flare Station	Hours	Amps	Condensate Trap Level	Header	Capsuhelic Gauge	Valve Position
Blower # 1	74339	3.4	6.95’	SV	3.4”	50% Open
Blower # 2	6924	3.4		LFG	4.0”	50% Open

Propane Tank Level	Propane Line PSI					
38% Full	12					

SUMMARY

0745 SDG onsite to monitor the Extraction Well, Probes.

0800 SDG calibrating the Gem - 5000

0824 SDG monitoring.

PREPARED BY: Simon Garibaldo ACCEPTED BY: _____

LANDFILL GAS MONITORING
GEM 5000 CALIBRATION AND PERTINENT DATA

Date: 12-1-21 Site Name: Island County Landfill

Technician: Simon Garibaldo Job No.04207033.11

WEATHER OBSERVATIONS

Wind Speed: 8 MPH Wind Direction: SE Barometric Pressure: 29.82Hg

Air Temperature: 54 F General Weather Conditions: Rain

CALIBRATION INFORMATION

Pre-monitoring Calibration Precision Check

Procedure: Calibrate the instrument. Make a total of 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
11:30	50.0%	35.0%	20.9%

NOTES:

Appendix B

2021 Analytical Data Validation & Laboratory Reports

FIRST QTR. 2021 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04207033.14	**Site Name**	Island County Coupeville SWF
Data Validator	Sam Graber	**Data Level**	Level 2
Date	4/15/21	**DV Tier**	Tier 1
QA Document	CSWF Groundwater Sampling, Analysis, and Quality Assurance Project Plan (Revised September 2007)		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
580-100766-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA
580-100786-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-100766-1	X	X	X	X	X	X
580-100786-1	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	Sample Detections for PCE and TCE in samples 0121-01 (E10D) and 0121-02 (E9D) may be affected by carryover from high targets in samples previously analyzed, resulting in a potential high bias. (580-100766-1). The method blank for batch 580-349508 contained trichloroethene and tetrachloroethene above the method detection limit. The target analyte concentration was less than the reporting limit; therefore, re-analysis of samples was not performed (580-100766-1, 580-100786-1).
Metals	Acceptable	See case narrative for additional details.

Lab QA Samples	Results	Comments
General Chemistry	Acceptable	Samples 0121-11 and 0121-12 were analyzed for nitrate using method 353.2 due to an instrument malfunction for method 300.0 (580-100786-1).
VOA Prep	Acceptable	See case narrative for additional details.

Field Quality Assurance Samples

Field QA Samples	Sample Group	Analytes	Notes
Field Replicates	580-100766-1	N/A	See detailed results below.
Trip Blank	580-100766-1	N/A	No detections.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
F1	MS and/or MSD Recovery is outside acceptance limits.	580-100766-1, 580-100786-1
F5	Duplicate RPD exceeds control limit, and one or both sample results are less than 5 times the RL.	580-100786-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-100766-1, 580-100786-1
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentrations; therefore, control limits are not applicable.	580-100786-1
*-	LCS or LCSD is outside acceptance limits, low biased.	580-100766-1, 580-100786-1
*1	LDCS/LCSD RPD exceeds control limits.	580-100766-1, 580-100786-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)
Alkalinity	mg/L	470	460	1.4
Arsenic	mg/L	0.0031	0.0031	0.0
Barium	mg/L	0.029	0.03	2.3
Bicarbonate	mg/L	470	460	1.4
Calcium	mg/L	110	120	5.9
Chloride	mg/L	69	70	1.0
Fluoride	mg/L	0.31	0.30	2.2
Magnesium	mg/L	75	76	0.9

Analyte	Units	N2D	N2D (Dup)	RPD (%)
Nickel	mg/L	0.0046	0.0047	1.4
Nitrate/Nitrite, Total	mg/L	4.4	4.6	3.0
Potassium	mg/L	8.6	8.9	2.3
Sodium	mg/L	44	45	1.5
Sulfate	mg/L	58	58	0.0
Total Dissolved Solids	mg/L	600	620	2.2
Total Organic Carbon	mg/L	3.9	4.5	9.8
Trichlorofluoromethane	ug/L	0.67	0.76	8.6

* 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 America

ANALYTICAL REPORT

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-100766-1
Client Project/Site: Coupeville Solid Waste Facility
Revision: 1

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
4/15/2021 11:41:04 AM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 4
Client Sample Results 5
QC Sample Results 31
Chronicle 47
Certification Summary 52
Sample Summary 54
Chain of Custody 55
Receipt Checklists 57

Job ID: 580-100766-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative
580-100766-1

Comments
This report has been revised to include narrative comment about 8260 results.

Receipt
The samples were received on 1/28/2021 11:38 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 2.6º C and 3.2º C.

GC/MS VOA
Method 8260C LL: Sample detections for PCE and TCE in samples 0121-01 (580-100766-1) and 0121-02 (580-100766-2) may be affected by carryover from high targets in samples previously analyzed, resulting in a potential high bias.

Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-349383 was outside criteria for the following analytes: 2-Butanone and 2-Hexanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analytes are considered estimated.

Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-349462 was outside criteria for the following analyte(s): 2-Butanone and 2-Hexanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C LL: The minimum response factor (RF) criteria for the initial calibration verification (ICV) analyzed in batch 580-349342 was outside criteria for the following analytes: 2-Butanone, 4-Methyl-2-pentanone and 2-Hexanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analytes are considered estimated.

Method 8260C LL: The laboratory control sample (LCS) for analytical batch 580-349383 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. Batch precision also exceeded control limits for these analyte. These results have been reported and qualified.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-349383 recovered outside control limits for the following analyte: Vinyl acetate.

Method 8260C LL: The method blank for analytical batch 580-349508 contained Trichloroethene and Tetrachloroethene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, 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.

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

General Chemistry
Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 580-348888 and analytical batch 580-349135 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
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 Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-01
Date Collected: 01/27/21 10:45
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-1
Matrix: Water

Method: 8260C LL - 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			02/06/21 15:11	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 15:11	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 15:11	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 15:11	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 15:11	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 15:11	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 15:11	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 15:11	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 15:11	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 15:11	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 15:11	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 15:11	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 15:11	1
2-Butanone	ND		10		ug/L			02/06/21 15:11	1
2-Hexanone	ND		3.0		ug/L			02/06/21 15:11	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 15:11	1
Acetone	ND		10		ug/L			02/06/21 15:11	1
Acrylonitrile	ND		10		ug/L			02/06/21 15:11	1
Benzene	ND		0.20		ug/L			02/06/21 15:11	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 15:11	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 15:11	1
Bromoform	ND		0.50		ug/L			02/06/21 15:11	1
Bromomethane	ND		0.50		ug/L			02/06/21 15:11	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 15:11	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 15:11	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 15:11	1
Chloroethane	ND		0.50		ug/L			02/06/21 15:11	1
Chloroform	ND		0.20		ug/L			02/06/21 15:11	1
Chloromethane	ND		0.50		ug/L			02/06/21 15:11	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 15:11	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 15:11	1
Dibromomethane	ND		0.20		ug/L			02/06/21 15:11	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 15:11	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 15:11	1
Methyl iodide	ND		0.50		ug/L			02/06/21 15:11	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 15:11	1
o-Xylene	ND		0.50		ug/L			02/06/21 15:11	1
Styrene	ND		1.0		ug/L			02/06/21 15:11	1
Toluene	ND		0.20		ug/L			02/06/21 15:11	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 15:11	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 15:11	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 15:11	1
Trichlorofluoromethane	ND		0.50		ug/L			02/06/21 15:11	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 15:11	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*02/06/21 15:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*02/06/21 15:11*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*02/06/21 15:11*	*1*

Client Sample ID: 0121-01
Date Collected: 01/27/21 10:45
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-1
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/06/21 15:11*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 17:45	1
Tetrachloroethene	**1.0**		0.50		ug/L			02/09/21 17:45	1
Trichloroethene	**0.29**		0.20		ug/L			02/09/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*02/09/21 17:45*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*02/09/21 17:45*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*02/09/21 17:45*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/09/21 17:45*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		1.1		mg/L		02/04/21 18:14	02/08/21 20:38	1
Iron	**1.0**		0.30		mg/L		02/04/21 18:14	02/08/21 20:38	1
Magnesium	**60**		1.1		mg/L		02/04/21 18:14	02/08/21 20:38	1
Manganese	**0.084**		0.020		mg/L		02/04/21 18:14	02/08/21 20:38	1
Potassium	**7.8**		3.3		mg/L		02/04/21 18:14	02/08/21 20:38	1
Sodium	**32**		2.0		mg/L		02/04/21 18:14	02/08/21 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0063**		0.0010		mg/L		01/29/21 12:14	02/01/21 07:37	1
Antimony	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:37	1
Barium	**0.046**		0.0012		mg/L		01/29/21 12:14	02/01/21 07:37	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:37	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:37	1
Chromium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:37	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:37	1
Copper	ND		0.0020		mg/L		01/29/21 12:14	02/01/21 07:37	1
Lead	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:37	1
Nickel	ND		0.0030		mg/L		01/29/21 12:14	02/01/21 07:37	1
Selenium	ND		0.0080		mg/L		01/29/21 12:14	02/01/21 07:37	1
Silver	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:37	1
Thallium	ND		0.0010		mg/L		01/29/21 12:14	02/01/21 07:37	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:14	02/01/21 07:37	1
Zinc	ND		0.0070		mg/L		01/29/21 12:14	02/01/21 07:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.51**		0.40		mg/L			01/28/21 19:02	1
Chloride	**60**		1.5		mg/L			01/28/21 19:02	1
Fluoride	**0.26**		0.20		mg/L			01/28/21 19:02	1
Sulfate	**42**		1.5		mg/L			01/28/21 19:02	1
Ammonia	ND		0.50		mg/L		02/03/21 17:02	02/04/21 12:09	1
Total Organic Carbon	**3.7**		1.5		mg/L			02/02/21 23:08	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-01

Date Collected: 01/27/21 10:45
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-1

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**410**		5.0		mg/L			02/01/21 13:20	1
Bicarbonate Alkalinity as CaCO3	**410**		5.0		mg/L			02/01/21 13:20	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Total Dissolved Solids	**560**		10		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	ND		10		mg/L		01/29/21 12:58	01/29/21 17:18	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-02

Date Collected: 01/27/21 11:40
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-2

Matrix: Water

Method: 8260C LL - 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			02/06/21 15:37	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 15:37	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 15:37	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 15:37	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 15:37	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 15:37	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 15:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 15:37	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 15:37	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 15:37	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 15:37	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 15:37	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 15:37	1
2-Butanone	ND		10		ug/L			02/06/21 15:37	1
2-Hexanone	ND		3.0		ug/L			02/06/21 15:37	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 15:37	1
Acetone	ND		10		ug/L			02/06/21 15:37	1
Acrylonitrile	ND		10		ug/L			02/06/21 15:37	1
Benzene	ND		0.20		ug/L			02/06/21 15:37	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 15:37	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 15:37	1
Bromoform	ND		0.50		ug/L			02/06/21 15:37	1
Bromomethane	ND		0.50		ug/L			02/06/21 15:37	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 15:37	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 15:37	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 15:37	1
Chloroethane	ND		0.50		ug/L			02/06/21 15:37	1
Chloroform	ND		0.20		ug/L			02/06/21 15:37	1
Chloromethane	ND		0.50		ug/L			02/06/21 15:37	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 15:37	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 15:37	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 15:37	1
Dibromomethane	ND		0.20		ug/L			02/06/21 15:37	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 15:37	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 15:37	1
Methyl iodide	ND		0.50		ug/L			02/06/21 15:37	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 15:37	1
o-Xylene	ND		0.50		ug/L			02/06/21 15:37	1
Styrene	ND		1.0		ug/L			02/06/21 15:37	1
Toluene	ND		0.20		ug/L			02/06/21 15:37	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 15:37	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 15:37	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 15:37	1
Trichlorofluoromethane	ND		0.50		ug/L			02/06/21 15:37	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 15:37	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*02/06/21 15:37*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*02/06/21 15:37*	*1*

Client Sample ID: 0121-02
Date Collected: 01/27/21 11:40
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-2
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*02/06/21 15:37*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/06/21 15:37*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.72**		0.50		ug/L			02/09/21 18:11	1
Trichloroethene	ND		0.20		ug/L			02/09/21 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*02/09/21 18:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*02/09/21 18:11*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*02/09/21 18:11*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/09/21 18:11*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**34**		1.1		mg/L		02/04/21 18:14	02/08/21 20:42	1
Iron	ND		0.30		mg/L		02/04/21 18:14	02/08/21 20:42	1
Magnesium	**37**		1.1		mg/L		02/04/21 18:14	02/08/21 20:42	1
Manganese	**0.041**		0.020		mg/L		02/04/21 18:14	02/08/21 20:42	1
Potassium	**16**		3.3		mg/L		02/04/21 18:14	02/08/21 20:42	1
Sodium	**18**		2.0		mg/L		02/04/21 18:14	02/08/21 20:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.021**		0.0010		mg/L		01/29/21 12:14	02/01/21 07:52	1
Antimony	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:52	1
Barium	**0.027**		0.0012		mg/L		01/29/21 12:14	02/01/21 07:52	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:52	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:52	1
Chromium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:52	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:52	1
Copper	**0.0039**		0.0020		mg/L		01/29/21 12:14	02/01/21 07:52	1
Lead	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:52	1
Nickel	ND		0.0030		mg/L		01/29/21 12:14	02/01/21 07:52	1
Selenium	ND		0.0080		mg/L		01/29/21 12:14	02/01/21 07:52	1
Silver	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:52	1
Thallium	ND		0.0010		mg/L		01/29/21 12:14	02/01/21 07:52	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:14	02/01/21 07:52	1
Zinc	ND		0.0070		mg/L		01/29/21 12:14	02/01/21 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.47**		0.40		mg/L			01/28/21 19:13	1
Chloride	**43**		1.5		mg/L			01/28/21 19:13	1
Fluoride	**0.37**		0.20		mg/L			01/28/21 19:13	1
Sulfate	**21**		1.5		mg/L			01/28/21 19:13	1
Ammonia	ND		0.50		mg/L		02/03/21 17:02	02/04/21 12:09	1
Total Organic Carbon	**1.9**		1.5		mg/L			02/02/21 23:23	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-02

Date Collected: 01/27/21 11:40
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-2

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**190**		5.0		mg/L			02/01/21 13:20	1
Bicarbonate Alkalinity as CaCO3	**190**		5.0		mg/L			02/01/21 13:20	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Total Dissolved Solids	**270**		10		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	ND		10		mg/L		01/29/21 12:58	01/29/21 17:18	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-03
Date Collected: 01/27/21 12:40
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-3
Matrix: Water

Method: 8260C LL - 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			02/06/21 16:02	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 16:02	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 16:02	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 16:02	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 16:02	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 16:02	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 16:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 16:02	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 16:02	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 16:02	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 16:02	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 16:02	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 16:02	1
2-Butanone	ND		10		ug/L			02/06/21 16:02	1
2-Hexanone	ND		3.0		ug/L			02/06/21 16:02	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 16:02	1
Acetone	ND		10		ug/L			02/06/21 16:02	1
Acrylonitrile	ND		10		ug/L			02/06/21 16:02	1
Benzene	ND		0.20		ug/L			02/06/21 16:02	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 16:02	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 16:02	1
Bromoform	ND		0.50		ug/L			02/06/21 16:02	1
Bromomethane	ND		0.50		ug/L			02/06/21 16:02	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 16:02	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 16:02	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 16:02	1
Chloroethane	ND		0.50		ug/L			02/06/21 16:02	1
Chloroform	ND		0.20		ug/L			02/06/21 16:02	1
Chloromethane	ND		0.50		ug/L			02/06/21 16:02	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 16:02	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 16:02	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 16:02	1
Dibromomethane	ND		0.20		ug/L			02/06/21 16:02	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 16:02	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 16:02	1
Methyl iodide	ND		0.50		ug/L			02/06/21 16:02	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 16:02	1
o-Xylene	ND		0.50		ug/L			02/06/21 16:02	1
Styrene	ND		1.0		ug/L			02/06/21 16:02	1
Tetrachloroethene	ND		0.50		ug/L			02/06/21 16:02	1
Toluene	ND		0.20		ug/L			02/06/21 16:02	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 16:02	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 16:02	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 16:02	1
Trichloroethene	ND		0.20		ug/L			02/06/21 16:02	1
Trichlorofluoromethane	ND		0.50		ug/L			02/06/21 16:02	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 16:02	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 16:02	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-03
Date Collected: 01/27/21 12:40
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		02/06/21 16:02	1
4-Bromofluorobenzene (Surr)	98		80 - 120		02/06/21 16:02	1
Dibromofluoromethane (Surr)	96		80 - 120		02/06/21 16:02	1
Toluene-d8 (Surr)	101		80 - 120		02/06/21 16:02	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-04
Date Collected: 01/27/21 13:20
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-4
Matrix: Water

Method: 8260C LL - 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			02/06/21 16:28	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 16:28	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 16:28	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 16:28	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 16:28	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 16:28	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 16:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 16:28	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 16:28	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 16:28	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 16:28	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 16:28	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 16:28	1
2-Butanone	ND		10		ug/L			02/06/21 16:28	1
2-Hexanone	ND		3.0		ug/L			02/06/21 16:28	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 16:28	1
Acetone	ND		10		ug/L			02/06/21 16:28	1
Acrylonitrile	ND		10		ug/L			02/06/21 16:28	1
Benzene	ND		0.20		ug/L			02/06/21 16:28	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 16:28	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 16:28	1
Bromoform	ND		0.50		ug/L			02/06/21 16:28	1
Bromomethane	ND		0.50		ug/L			02/06/21 16:28	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 16:28	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 16:28	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 16:28	1
Chloroethane	ND		0.50		ug/L			02/06/21 16:28	1
Chloroform	ND		0.20		ug/L			02/06/21 16:28	1
Chloromethane	ND		0.50		ug/L			02/06/21 16:28	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 16:28	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 16:28	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 16:28	1
Dibromomethane	ND		0.20		ug/L			02/06/21 16:28	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 16:28	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 16:28	1
Methyl iodide	ND		0.50		ug/L			02/06/21 16:28	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 16:28	1
o-Xylene	ND		0.50		ug/L			02/06/21 16:28	1
Styrene	ND		1.0		ug/L			02/06/21 16:28	1
Tetrachloroethene	ND		0.50		ug/L			02/06/21 16:28	1
Toluene	ND		0.20		ug/L			02/06/21 16:28	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 16:28	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 16:28	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 16:28	1
Trichloroethene	ND		0.20		ug/L			02/06/21 16:28	1
Trichlorofluoromethane	ND		0.50		ug/L			02/06/21 16:28	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 16:28	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 16:28	1

Client Sample ID: 0121-04
Date Collected: 01/27/21 13:20
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*02/06/21 16:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/06/21 16:28*	*1*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*02/06/21 16:28*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/06/21 16:28*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**170**		1.1		mg/L		02/04/21 18:14	02/08/21 20:45	1
Iron	**1.9**		0.30		mg/L		02/04/21 18:14	02/08/21 20:45	1
Magnesium	**75**		1.1		mg/L		02/04/21 18:14	02/08/21 20:45	1
Manganese	**0.28**		0.020		mg/L		02/04/21 18:14	02/08/21 20:45	1
Potassium	**8.5**		3.3		mg/L		02/04/21 18:14	02/08/21 20:45	1
Sodium	**36**		2.0		mg/L		02/04/21 18:14	02/08/21 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0058**		0.0010		mg/L		01/29/21 12:14	02/01/21 08:03	1
Antimony	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 08:03	1
Barium	**0.078**		0.0012		mg/L		01/29/21 12:14	02/01/21 08:03	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 08:03	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 08:03	1
Chromium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 08:03	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 08:03	1
Copper	ND		0.0020		mg/L		01/29/21 12:14	02/01/21 08:03	1
Lead	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 08:03	1
Nickel	ND		0.0030		mg/L		01/29/21 12:14	02/01/21 08:03	1
Selenium	ND		0.0080		mg/L		01/29/21 12:14	02/01/21 08:03	1
Silver	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 08:03	1
Thallium	ND		0.0010		mg/L		01/29/21 12:14	02/01/21 08:03	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:14	02/01/21 08:03	1
Zinc	ND		0.0070		mg/L		01/29/21 12:14	02/01/21 08:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.89**		0.40		mg/L			01/28/21 19:25	1
Chloride	**25**		1.5		mg/L			01/28/21 19:25	1
Fluoride	**0.24**		0.20		mg/L			01/28/21 19:25	1
Sulfate	**29**		1.5		mg/L			01/28/21 19:25	1
Ammonia	ND		0.50		mg/L		02/03/21 17:02	02/04/21 12:09	1
Total Organic Carbon	**4.6**		1.5		mg/L			02/02/21 23:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**680**		5.0		mg/L			02/01/21 13:20	1
Bicarbonate Alkalinity as CaCO3	**680**		5.0		mg/L			02/01/21 13:20	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Total Dissolved Solids	**730**		10		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	ND		10		mg/L		01/29/21 12:58	01/29/21 17:18	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-05
Date Collected: 01/27/21 14:35
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-5
Matrix: Water

Method: 8260C LL - 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			02/06/21 16:54	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 16:54	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 16:54	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 16:54	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 16:54	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 16:54	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 16:54	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 16:54	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 16:54	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 16:54	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 16:54	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 16:54	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 16:54	1
2-Butanone	ND		10		ug/L			02/06/21 16:54	1
2-Hexanone	ND		3.0		ug/L			02/06/21 16:54	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 16:54	1
Acetone	ND		10		ug/L			02/06/21 16:54	1
Acrylonitrile	ND		10		ug/L			02/06/21 16:54	1
Benzene	ND		0.20		ug/L			02/06/21 16:54	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 16:54	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 16:54	1
Bromoform	ND		0.50		ug/L			02/06/21 16:54	1
Bromomethane	ND		0.50		ug/L			02/06/21 16:54	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 16:54	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 16:54	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 16:54	1
Chloroethane	ND		0.50		ug/L			02/06/21 16:54	1
Chloroform	ND		0.20		ug/L			02/06/21 16:54	1
Chloromethane	ND		0.50		ug/L			02/06/21 16:54	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 16:54	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 16:54	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 16:54	1
Dibromomethane	ND		0.20		ug/L			02/06/21 16:54	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 16:54	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 16:54	1
Methyl iodide	ND		0.50		ug/L			02/06/21 16:54	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 16:54	1
o-Xylene	ND		0.50		ug/L			02/06/21 16:54	1
Styrene	ND		1.0		ug/L			02/06/21 16:54	1
Tetrachloroethene	ND		0.50		ug/L			02/06/21 16:54	1
Toluene	ND		0.20		ug/L			02/06/21 16:54	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 16:54	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 16:54	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 16:54	1
Trichloroethene	ND		0.20		ug/L			02/06/21 16:54	1
Trichlorofluoromethane	ND		0.50		ug/L			02/06/21 16:54	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 16:54	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 16:54	1

Client Sample ID: 0121-05
Date Collected: 01/27/21 14:35
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*02/06/21 16:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*02/06/21 16:54*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*02/06/21 16:54*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/06/21 16:54*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**56**		1.1		mg/L		02/04/21 18:14	02/08/21 20:48	1
Iron	**1.4**		0.30		mg/L		02/04/21 18:14	02/08/21 20:48	1
Magnesium	**30**		1.1		mg/L		02/04/21 18:14	02/08/21 20:48	1
Manganese	**0.31**		0.020		mg/L		02/04/21 18:14	02/08/21 20:48	1
Potassium	**5.6**		3.3		mg/L		02/04/21 18:14	02/08/21 20:48	1
Sodium	**27**		2.0		mg/L		02/04/21 18:14	02/08/21 20:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0049**		0.0010		mg/L		01/29/21 12:14	02/01/21 07:49	1
Antimony	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:49	1
Barium	**0.079**		0.0012		mg/L		01/29/21 12:14	02/01/21 07:49	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:49	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:49	1
Chromium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:49	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:49	1
Copper	ND		0.0020		mg/L		01/29/21 12:14	02/01/21 07:49	1
Lead	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:49	1
Nickel	ND		0.0030		mg/L		01/29/21 12:14	02/01/21 07:49	1
Selenium	ND		0.0080		mg/L		01/29/21 12:14	02/01/21 07:49	1
Silver	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:49	1
Thallium	ND		0.0010		mg/L		01/29/21 12:14	02/01/21 07:49	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:14	02/01/21 07:49	1
Zinc	ND		0.0070		mg/L		01/29/21 12:14	02/01/21 07:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.47**		0.40		mg/L			01/28/21 19:37	1
Chloride	**15**		1.5		mg/L			01/28/21 19:37	1
Fluoride	**0.32**		0.20		mg/L			01/28/21 19:37	1
Sulfate	**27**		1.5		mg/L			01/28/21 19:37	1
Ammonia	ND		0.50		mg/L		02/03/21 17:02	02/04/21 12:09	1
Total Organic Carbon	**2.2**		1.5		mg/L			02/02/21 23:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**240**		5.0		mg/L			02/01/21 13:20	1
Bicarbonate Alkalinity as CaCO3	**240**		5.0		mg/L			02/01/21 13:20	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Total Dissolved Solids	**290**		10		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	ND		10		mg/L		01/29/21 12:58	01/29/21 17:18	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-06
Date Collected: 01/27/21 15:40
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-6
Matrix: Water

Method: 8260C LL - 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			02/06/21 17:20	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 17:20	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 17:20	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 17:20	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 17:20	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 17:20	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 17:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 17:20	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 17:20	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 17:20	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 17:20	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 17:20	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 17:20	1
2-Butanone	ND		10		ug/L			02/06/21 17:20	1
2-Hexanone	ND		3.0		ug/L			02/06/21 17:20	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 17:20	1
Acetone	ND		10		ug/L			02/06/21 17:20	1
Acrylonitrile	ND		10		ug/L			02/06/21 17:20	1
Benzene	ND		0.20		ug/L			02/06/21 17:20	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 17:20	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 17:20	1
Bromoform	ND		0.50		ug/L			02/06/21 17:20	1
Bromomethane	ND		0.50		ug/L			02/06/21 17:20	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 17:20	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 17:20	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 17:20	1
Chloroethane	ND		0.50		ug/L			02/06/21 17:20	1
Chloroform	ND		0.20		ug/L			02/06/21 17:20	1
Chloromethane	ND		0.50		ug/L			02/06/21 17:20	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 17:20	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 17:20	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 17:20	1
Dibromomethane	ND		0.20		ug/L			02/06/21 17:20	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 17:20	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 17:20	1
Methyl iodide	ND		0.50		ug/L			02/06/21 17:20	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 17:20	1
o-Xylene	ND		0.50		ug/L			02/06/21 17:20	1
Styrene	ND		1.0		ug/L			02/06/21 17:20	1
Tetrachloroethene	ND		0.50		ug/L			02/06/21 17:20	1
Toluene	ND		0.20		ug/L			02/06/21 17:20	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 17:20	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 17:20	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 17:20	1
Trichloroethene	ND		0.20		ug/L			02/06/21 17:20	1
Trichlorofluoromethane	**0.67**		0.50		ug/L			02/06/21 17:20	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 17:20	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 17:20	1

Client Sample ID: 0121-06
Date Collected: 01/27/21 15:40
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*02/06/21 17:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/06/21 17:20*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*02/06/21 17:20*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/06/21 17:20*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		1.1		mg/L		02/04/21 18:14	02/08/21 20:52	1
Iron	ND		0.30		mg/L		02/04/21 18:14	02/08/21 20:52	1
Magnesium	**75**		1.1		mg/L		02/04/21 18:14	02/08/21 20:52	1
Manganese	ND		0.020		mg/L		02/04/21 18:14	02/08/21 20:52	1
Potassium	**8.6**		3.3		mg/L		02/04/21 18:14	02/08/21 20:52	1
Sodium	**44**		2.0		mg/L		02/04/21 18:14	02/08/21 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0031**		0.0010		mg/L		01/29/21 12:14	02/01/21 07:41	1
Antimony	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:41	1
Barium	**0.029**		0.0012		mg/L		01/29/21 12:14	02/01/21 07:41	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:41	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:41	1
Chromium	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:41	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:41	1
Copper	ND		0.0020		mg/L		01/29/21 12:14	02/01/21 07:41	1
Lead	ND		0.00080		mg/L		01/29/21 12:14	02/01/21 07:41	1
Nickel	**0.0046**		0.0030		mg/L		01/29/21 12:14	02/01/21 07:41	1
Selenium	ND		0.0080		mg/L		01/29/21 12:14	02/01/21 07:41	1
Silver	ND		0.00040		mg/L		01/29/21 12:14	02/01/21 07:41	1
Thallium	ND		0.0010		mg/L		01/29/21 12:14	02/01/21 07:41	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:14	02/01/21 07:41	1
Zinc	ND		0.0070		mg/L		01/29/21 12:14	02/01/21 07:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**4.4**		0.40		mg/L			01/28/21 19:49	1
Chloride	**69**		1.5		mg/L			01/28/21 19:49	1
Fluoride	**0.31**		0.20		mg/L			01/28/21 19:49	1
Sulfate	**58**		1.5		mg/L			01/28/21 19:49	1
Ammonia	ND		0.50		mg/L		02/03/21 17:02	02/04/21 12:09	1
Total Organic Carbon	**3.9**		1.5		mg/L			02/03/21 00:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**470**		5.0		mg/L			02/01/21 13:20	1
Bicarbonate Alkalinity as CaCO3	**470**		5.0		mg/L			02/01/21 13:20	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Total Dissolved Solids	**600**		10		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	ND		10		mg/L		01/29/21 12:58	01/29/21 17:18	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-07
Date Collected: 01/27/21 16:00
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-7
Matrix: Water

Method: 8260C LL - 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			02/06/21 17:45	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 17:45	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 17:45	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 17:45	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 17:45	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 17:45	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 17:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 17:45	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 17:45	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 17:45	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 17:45	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 17:45	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 17:45	1
2-Butanone	ND		10		ug/L			02/06/21 17:45	1
2-Hexanone	ND		3.0		ug/L			02/06/21 17:45	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 17:45	1
Acetone	ND		10		ug/L			02/06/21 17:45	1
Acrylonitrile	ND		10		ug/L			02/06/21 17:45	1
Benzene	ND		0.20		ug/L			02/06/21 17:45	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 17:45	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 17:45	1
Bromoform	ND		0.50		ug/L			02/06/21 17:45	1
Bromomethane	ND		0.50		ug/L			02/06/21 17:45	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 17:45	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 17:45	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 17:45	1
Chloroethane	ND		0.50		ug/L			02/06/21 17:45	1
Chloroform	ND		0.20		ug/L			02/06/21 17:45	1
Chloromethane	ND		0.50		ug/L			02/06/21 17:45	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 17:45	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 17:45	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 17:45	1
Dibromomethane	ND		0.20		ug/L			02/06/21 17:45	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 17:45	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 17:45	1
Methyl iodide	ND		0.50		ug/L			02/06/21 17:45	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 17:45	1
o-Xylene	ND		0.50		ug/L			02/06/21 17:45	1
Styrene	ND		1.0		ug/L			02/06/21 17:45	1
Tetrachloroethene	ND		0.50		ug/L			02/06/21 17:45	1
Toluene	ND		0.20		ug/L			02/06/21 17:45	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 17:45	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 17:45	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 17:45	1
Trichloroethene	ND		0.20		ug/L			02/06/21 17:45	1
Trichlorofluoromethane	**0.76**		0.50		ug/L			02/06/21 17:45	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 17:45	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 17:45	1

Client Sample ID: 0121-07

Date Collected: 01/27/21 16:00
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*02/06/21 17:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/06/21 17:45*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*02/06/21 17:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/06/21 17:45*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		1.1		mg/L		02/04/21 18:14	02/08/21 20:55	1
Iron	ND		0.30		mg/L		02/04/21 18:14	02/08/21 20:55	1
Magnesium	**76**		1.1		mg/L		02/04/21 18:14	02/08/21 20:55	1
Manganese	ND		0.020		mg/L		02/04/21 18:14	02/08/21 20:55	1
Potassium	**8.9**		3.3		mg/L		02/04/21 18:14	02/08/21 20:55	1
Sodium	**45**		2.0		mg/L		02/04/21 18:14	02/08/21 20:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0031**		0.0010		mg/L		01/29/21 12:15	02/01/21 07:56	1
Antimony	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:56	1
Barium	**0.030**		0.0012		mg/L		01/29/21 12:15	02/01/21 07:56	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 07:56	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:56	1
Chromium	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:56	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 07:56	1
Copper	ND		0.0020		mg/L		01/29/21 12:15	02/01/21 07:56	1
Lead	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:56	1
Nickel	**0.0047**		0.0030		mg/L		01/29/21 12:15	02/01/21 07:56	1
Selenium	ND		0.0080		mg/L		01/29/21 12:15	02/01/21 07:56	1
Silver	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 07:56	1
Thallium	ND		0.0010		mg/L		01/29/21 12:15	02/01/21 07:56	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:15	02/01/21 07:56	1
Zinc	ND		0.0070		mg/L		01/29/21 12:15	02/01/21 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**4.6**		0.40		mg/L			01/28/21 20:00	1
Chloride	**70**		1.5		mg/L			01/28/21 20:00	1
Fluoride	**0.30**		0.20		mg/L			01/28/21 20:00	1
Sulfate	**58**		1.5		mg/L			01/28/21 20:00	1
Ammonia	ND	F1	0.50		mg/L		01/30/21 16:32	02/03/21 13:12	1
Total Organic Carbon	**4.5**		1.5		mg/L			02/03/21 00:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**460**		5.0		mg/L			02/01/21 13:21	1
Bicarbonate Alkalinity as CaCO3	**460**		5.0		mg/L			02/01/21 13:21	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:21	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:21	1
Total Dissolved Solids	**620**		10		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	ND		10		mg/L		01/30/21 14:31	01/30/21 18:46	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-08
Date Collected: 01/27/21 16:45
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-8
Matrix: Water

Method: 8260C LL - 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			02/06/21 18:11	1
1,1,1-Trichloroethane	**0.49**		0.20		ug/L			02/06/21 18:11	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 18:11	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 18:11	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 18:11	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 18:11	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 18:11	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 18:11	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 18:11	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 18:11	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 18:11	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 18:11	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 18:11	1
2-Butanone	ND		10		ug/L			02/06/21 18:11	1
2-Hexanone	ND		3.0		ug/L			02/06/21 18:11	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 18:11	1
Acetone	ND		10		ug/L			02/06/21 18:11	1
Acrylonitrile	ND		10		ug/L			02/06/21 18:11	1
Benzene	ND		0.20		ug/L			02/06/21 18:11	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 18:11	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 18:11	1
Bromoform	ND		0.50		ug/L			02/06/21 18:11	1
Bromomethane	ND		0.50		ug/L			02/06/21 18:11	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 18:11	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 18:11	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 18:11	1
Chloroethane	ND		0.50		ug/L			02/06/21 18:11	1
Chloroform	ND		0.20		ug/L			02/06/21 18:11	1
Chloromethane	ND		0.50		ug/L			02/06/21 18:11	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 18:11	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 18:11	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 18:11	1
Dibromomethane	ND		0.20		ug/L			02/06/21 18:11	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 18:11	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 18:11	1
Methyl iodide	ND		0.50		ug/L			02/06/21 18:11	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 18:11	1
o-Xylene	ND		0.50		ug/L			02/06/21 18:11	1
Styrene	ND		1.0		ug/L			02/06/21 18:11	1
Tetrachloroethene	ND		0.50		ug/L			02/06/21 18:11	1
Toluene	ND		0.20		ug/L			02/06/21 18:11	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 18:11	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 18:11	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 18:11	1
Trichloroethene	ND		0.20		ug/L			02/06/21 18:11	1
Trichlorofluoromethane	**3.7**		0.50		ug/L			02/06/21 18:11	1
Vinyl acetate	ND	*- *1	2.0		ug/L			02/06/21 18:11	1
Vinyl chloride	**24**		0.020		ug/L			02/06/21 18:11	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-08
Date Collected: 01/27/21 16:45
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		02/06/21 18:11	1
4-Bromofluorobenzene (Surr)	95		80 - 120		02/06/21 18:11	1
Dibromofluoromethane (Surr)	97		80 - 120		02/06/21 18:11	1
Toluene-d8 (Surr)	100		80 - 120		02/06/21 18:11	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-09
Date Collected: 01/28/21 09:20
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-9
Matrix: Water

Method: 8260C LL - 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			02/08/21 17:38	1
1,1,1-Trichloroethane	**0.66**		0.20		ug/L			02/08/21 17:38	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/08/21 17:38	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/08/21 17:38	1
1,1-Dichloroethane	**3.0**		0.20		ug/L			02/08/21 17:38	1
1,1-Dichloroethene	ND		0.20		ug/L			02/08/21 17:38	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/08/21 17:38	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/08/21 17:38	1
1,2-Dibromoethane	ND		0.10		ug/L			02/08/21 17:38	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/08/21 17:38	1
1,2-Dichloroethane	ND		0.20		ug/L			02/08/21 17:38	1
1,2-Dichloropropane	ND		0.20		ug/L			02/08/21 17:38	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/08/21 17:38	1
2-Butanone	ND		10		ug/L			02/08/21 17:38	1
2-Hexanone	ND		3.0		ug/L			02/08/21 17:38	1
4-Methyl-2-pentanone	ND		10		ug/L			02/08/21 17:38	1
Acetone	ND		10		ug/L			02/08/21 17:38	1
Acrylonitrile	ND		10		ug/L			02/08/21 17:38	1
Benzene	ND		0.20		ug/L			02/08/21 17:38	1
Bromochloromethane	ND		0.20		ug/L			02/08/21 17:38	1
Bromodichloromethane	ND		0.20		ug/L			02/08/21 17:38	1
Bromoform	ND		0.50		ug/L			02/08/21 17:38	1
Bromomethane	ND		0.50		ug/L			02/08/21 17:38	1
Carbon disulfide	ND		0.30		ug/L			02/08/21 17:38	1
Carbon tetrachloride	ND		0.20		ug/L			02/08/21 17:38	1
Chlorobenzene	ND		0.20		ug/L			02/08/21 17:38	1
Chloroethane	ND		0.50		ug/L			02/08/21 17:38	1
Chloroform	ND		0.20		ug/L			02/08/21 17:38	1
Chloromethane	ND		0.50		ug/L			02/08/21 17:38	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 17:38	1
Dibromochloromethane	ND		0.20		ug/L			02/08/21 17:38	1
Dibromomethane	ND		0.20		ug/L			02/08/21 17:38	1
Ethylbenzene	ND		0.20		ug/L			02/08/21 17:38	1
m,p-Xylene	ND		0.50		ug/L			02/08/21 17:38	1
Methyl iodide	ND		0.50		ug/L			02/08/21 17:38	1
Methylene Chloride	ND		5.0		ug/L			02/08/21 17:38	1
o-Xylene	ND		0.50		ug/L			02/08/21 17:38	1
Styrene	ND		1.0		ug/L			02/08/21 17:38	1
Toluene	ND		0.20		ug/L			02/08/21 17:38	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 17:38	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/08/21 17:38	1
Trichlorofluoromethane	**96**		0.50		ug/L			02/08/21 17:38	1
Vinyl acetate	ND		2.0		ug/L			02/08/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*02/08/21 17:38*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*02/08/21 17:38*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/08/21 17:38*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/08/21 17:38*	*1*

Client Sample ID: 0121-09
Date Collected: 01/28/21 09:20
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-9
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 20:44	1
Tetrachloroethene	ND		0.50		ug/L			02/09/21 20:44	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 20:44	1
Trichloroethene	ND		0.20		ug/L			02/09/21 20:44	1
Vinyl chloride	**2.4**		0.020		ug/L			02/09/21 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*02/09/21 20:44*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*02/09/21 20:44*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/09/21 20:44*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/09/21 20:44*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**270**		1.1		mg/L		02/04/21 18:14	02/08/21 20:58	1
Iron	ND		0.30		mg/L		02/04/21 18:14	02/08/21 20:58	1
Magnesium	**110**		1.1		mg/L		02/04/21 18:14	02/08/21 20:58	1
Manganese	**0.75**		0.020		mg/L		02/04/21 18:14	02/08/21 20:58	1
Potassium	**9.8**		3.3		mg/L		02/04/21 18:14	02/08/21 20:58	1
Sodium	**39**		2.0		mg/L		02/04/21 18:14	02/08/21 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0021**		0.0010		mg/L		01/29/21 12:15	02/01/21 08:00	1
Antimony	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 08:00	1
Barium	**0.073**		0.0012		mg/L		01/29/21 12:15	02/01/21 08:00	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 08:00	1
Cadmium	**0.0010**		0.00080		mg/L		01/29/21 12:15	02/01/21 08:00	1
Chromium	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 08:00	1
Cobalt	**0.0030**		0.00040		mg/L		01/29/21 12:15	02/01/21 08:00	1
Copper	**0.0026**		0.0020		mg/L		01/29/21 12:15	02/01/21 08:00	1
Lead	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 08:00	1
Nickel	**0.032**		0.0030		mg/L		01/29/21 12:15	02/01/21 08:00	1
Selenium	ND		0.0080		mg/L		01/29/21 12:15	02/01/21 08:00	1
Silver	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 08:00	1
Thallium	ND		0.0010		mg/L		01/29/21 12:15	02/01/21 08:00	1
Vanadium	**0.018**		0.0040		mg/L		01/29/21 12:15	02/01/21 08:00	1
Zinc	**0.011**		0.0070		mg/L		01/29/21 12:15	02/01/21 08:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.45**		0.40		mg/L			01/28/21 20:35	1
Chloride	**55**		1.5		mg/L			01/28/21 20:35	1
Fluoride	**0.20**		0.20		mg/L			01/28/21 20:35	1
Sulfate	**290**		15		mg/L			02/03/21 00:19	10
Ammonia	ND		0.50		mg/L		01/30/21 16:32	02/03/21 13:12	1
Total Organic Carbon	**26**		1.5		mg/L			02/03/21 01:13	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**770**		5.0		mg/L			02/01/21 13:21	1
Bicarbonate Alkalinity as CaCO3	**770**		5.0		mg/L			02/01/21 13:21	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-09
Date Collected: 01/28/21 09:20
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-9
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:21	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:21	1
Total Dissolved Solids	**1200**		20		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	**82**		10		mg/L		01/30/21 14:31	01/30/21 18:46	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-10
Date Collected: 01/28/21 10:25
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-10
Matrix: Water

Method: 8260C LL - 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			02/08/21 18:03	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/08/21 18:03	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/08/21 18:03	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/08/21 18:03	1
1,1-Dichloroethane	ND		0.20		ug/L			02/08/21 18:03	1
1,1-Dichloroethene	ND		0.20		ug/L			02/08/21 18:03	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/08/21 18:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/08/21 18:03	1
1,2-Dibromoethane	ND		0.10		ug/L			02/08/21 18:03	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/08/21 18:03	1
1,2-Dichloroethane	ND		0.20		ug/L			02/08/21 18:03	1
1,2-Dichloropropane	ND		0.20		ug/L			02/08/21 18:03	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/08/21 18:03	1
2-Butanone	ND		10		ug/L			02/08/21 18:03	1
2-Hexanone	ND		3.0		ug/L			02/08/21 18:03	1
4-Methyl-2-pentanone	ND		10		ug/L			02/08/21 18:03	1
Acetone	ND		10		ug/L			02/08/21 18:03	1
Acrylonitrile	ND		10		ug/L			02/08/21 18:03	1
Benzene	ND		0.20		ug/L			02/08/21 18:03	1
Bromochloromethane	ND		0.20		ug/L			02/08/21 18:03	1
Bromodichloromethane	ND		0.20		ug/L			02/08/21 18:03	1
Bromoform	ND		0.50		ug/L			02/08/21 18:03	1
Bromomethane	ND		0.50		ug/L			02/08/21 18:03	1
Carbon disulfide	ND		0.30		ug/L			02/08/21 18:03	1
Carbon tetrachloride	ND		0.20		ug/L			02/08/21 18:03	1
Chlorobenzene	ND		0.20		ug/L			02/08/21 18:03	1
Chloroethane	ND		0.50		ug/L			02/08/21 18:03	1
Chloroform	ND		0.20		ug/L			02/08/21 18:03	1
Chloromethane	ND		0.50		ug/L			02/08/21 18:03	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 18:03	1
Dibromochloromethane	ND		0.20		ug/L			02/08/21 18:03	1
Dibromomethane	ND		0.20		ug/L			02/08/21 18:03	1
Ethylbenzene	ND		0.20		ug/L			02/08/21 18:03	1
m,p-Xylene	ND		0.50		ug/L			02/08/21 18:03	1
Methyl iodide	ND		0.50		ug/L			02/08/21 18:03	1
Methylene Chloride	ND		5.0		ug/L			02/08/21 18:03	1
o-Xylene	ND		0.50		ug/L			02/08/21 18:03	1
Styrene	ND		1.0		ug/L			02/08/21 18:03	1
Toluene	ND		0.20		ug/L			02/08/21 18:03	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 18:03	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/08/21 18:03	1
Trichlorofluoromethane	ND		0.50		ug/L			02/08/21 18:03	1
Vinyl acetate	ND		2.0		ug/L			02/08/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*02/08/21 18:03*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*02/08/21 18:03*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*02/08/21 18:03*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/08/21 18:03*	*1*

Client Sample ID: 0121-10

Date Collected: 01/28/21 10:25
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-10

Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 21:10	1
Tetrachloroethene	ND		0.50		ug/L			02/09/21 21:10	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 21:10	1
Trichloroethene	ND		0.20		ug/L			02/09/21 21:10	1
Vinyl chloride	ND		0.020		ug/L			02/09/21 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*02/09/21 21:10*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/09/21 21:10*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*02/09/21 21:10*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*02/09/21 21:10*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**65**		1.1		mg/L		02/04/21 18:14	02/08/21 21:01	1
Iron	**1.6**		0.30		mg/L		02/04/21 18:14	02/08/21 21:01	1
Magnesium	**33**		1.1		mg/L		02/04/21 18:14	02/08/21 21:01	1
Manganese	**0.56**		0.020		mg/L		02/04/21 18:14	02/08/21 21:01	1
Potassium	**5.6**		3.3		mg/L		02/04/21 18:14	02/08/21 21:01	1
Sodium	**35**		2.0		mg/L		02/04/21 18:14	02/08/21 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0016**		0.0010		mg/L		01/29/21 12:15	02/01/21 07:45	1
Antimony	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:45	1
Barium	**0.090**		0.0012		mg/L		01/29/21 12:15	02/01/21 07:45	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 07:45	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:45	1
Chromium	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:45	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 07:45	1
Copper	ND		0.0020		mg/L		01/29/21 12:15	02/01/21 07:45	1
Lead	ND		0.00080		mg/L		01/29/21 12:15	02/01/21 07:45	1
Nickel	ND		0.0030		mg/L		01/29/21 12:15	02/01/21 07:45	1
Selenium	ND		0.0080		mg/L		01/29/21 12:15	02/01/21 07:45	1
Silver	ND		0.00040		mg/L		01/29/21 12:15	02/01/21 07:45	1
Thallium	ND		0.0010		mg/L		01/29/21 12:15	02/01/21 07:45	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:15	02/01/21 07:45	1
Zinc	ND		0.0070		mg/L		01/29/21 12:15	02/01/21 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.55**		0.40		mg/L			01/28/21 20:47	1
Chloride	**21**		1.5		mg/L			01/28/21 20:47	1
Fluoride	**0.26**		0.20		mg/L			01/28/21 20:47	1
Sulfate	**31**		1.5		mg/L			01/28/21 20:47	1
Ammonia	ND		0.50		mg/L		01/30/21 16:32	02/03/21 13:12	1
Total Organic Carbon	**3.6**		1.5		mg/L			02/03/21 01:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**300**		5.0		mg/L			02/01/21 13:21	1
Bicarbonate Alkalinity as CaCO3	**300**		5.0		mg/L			02/01/21 13:21	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: 0121-10
Date Collected: 01/28/21 10:25
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-10
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:21	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:21	1
Total Dissolved Solids	**360**		10		mg/L			01/29/21 15:54	1
Chemical Oxygen Demand	ND		10		mg/L		01/30/21 14:31	01/30/21 18:46	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: Trip Blank
Date Collected: 01/28/21 00:01
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-11
Matrix: Water

Method: 8260C LL - 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			02/08/21 14:12	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/08/21 14:12	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/08/21 14:12	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/08/21 14:12	1
1,1-Dichloroethane	ND		0.20		ug/L			02/08/21 14:12	1
1,1-Dichloroethene	ND		0.20		ug/L			02/08/21 14:12	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/08/21 14:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/08/21 14:12	1
1,2-Dibromoethane	ND		0.10		ug/L			02/08/21 14:12	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/08/21 14:12	1
1,2-Dichloroethane	ND		0.20		ug/L			02/08/21 14:12	1
1,2-Dichloropropane	ND		0.20		ug/L			02/08/21 14:12	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/08/21 14:12	1
2-Butanone	ND		10		ug/L			02/08/21 14:12	1
2-Hexanone	ND		3.0		ug/L			02/08/21 14:12	1
4-Methyl-2-pentanone	ND		10		ug/L			02/08/21 14:12	1
Acetone	ND		10		ug/L			02/08/21 14:12	1
Acrylonitrile	ND		10		ug/L			02/08/21 14:12	1
Benzene	ND		0.20		ug/L			02/08/21 14:12	1
Bromochloromethane	ND		0.20		ug/L			02/08/21 14:12	1
Bromodichloromethane	ND		0.20		ug/L			02/08/21 14:12	1
Bromoform	ND		0.50		ug/L			02/08/21 14:12	1
Bromomethane	ND		0.50		ug/L			02/08/21 14:12	1
Carbon disulfide	ND		0.30		ug/L			02/08/21 14:12	1
Carbon tetrachloride	ND		0.20		ug/L			02/08/21 14:12	1
Chlorobenzene	ND		0.20		ug/L			02/08/21 14:12	1
Chloroethane	ND		0.50		ug/L			02/08/21 14:12	1
Chloroform	ND		0.20		ug/L			02/08/21 14:12	1
Chloromethane	ND		0.50		ug/L			02/08/21 14:12	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/08/21 14:12	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 14:12	1
Dibromochloromethane	ND		0.20		ug/L			02/08/21 14:12	1
Dibromomethane	ND		0.20		ug/L			02/08/21 14:12	1
Ethylbenzene	ND		0.20		ug/L			02/08/21 14:12	1
m,p-Xylene	ND		0.50		ug/L			02/08/21 14:12	1
Methyl iodide	ND		0.50		ug/L			02/08/21 14:12	1
Methylene Chloride	ND		5.0		ug/L			02/08/21 14:12	1
o-Xylene	ND		0.50		ug/L			02/08/21 14:12	1
Styrene	ND		1.0		ug/L			02/08/21 14:12	1
Tetrachloroethene	ND		0.50		ug/L			02/08/21 14:12	1
Toluene	ND		0.20		ug/L			02/08/21 14:12	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/08/21 14:12	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 14:12	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/08/21 14:12	1
Trichloroethene	ND		0.20		ug/L			02/08/21 14:12	1
Trichlorofluoromethane	ND		0.50		ug/L			02/08/21 14:12	1
Vinyl acetate	ND		2.0		ug/L			02/08/21 14:12	1
Vinyl chloride	ND		0.020		ug/L			02/08/21 14:12	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Client Sample ID: Trip Blank
Date Collected: 01/28/21 00:01
Date Received: 01/28/21 11:38

Lab Sample ID: 580-100766-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		02/08/21 14:12	1
4-Bromofluorobenzene (Surr)	92		80 - 120		02/08/21 14:12	1
Dibromofluoromethane (Surr)	92		80 - 120		02/08/21 14:12	1
Toluene-d8 (Surr)	100		80 - 120		02/08/21 14:12	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-349383/7
Matrix: Water
Analysis Batch: 349383

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			02/06/21 08:45	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/06/21 08:45	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/06/21 08:45	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/06/21 08:45	1
1,1-Dichloroethane	ND		0.20		ug/L			02/06/21 08:45	1
1,1-Dichloroethene	ND		0.20		ug/L			02/06/21 08:45	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/06/21 08:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/06/21 08:45	1
1,2-Dibromoethane	ND		0.10		ug/L			02/06/21 08:45	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/06/21 08:45	1
1,2-Dichloroethane	ND		0.20		ug/L			02/06/21 08:45	1
1,2-Dichloropropane	ND		0.20		ug/L			02/06/21 08:45	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/06/21 08:45	1
2-Butanone	ND		10		ug/L			02/06/21 08:45	1
2-Hexanone	ND		3.0		ug/L			02/06/21 08:45	1
4-Methyl-2-pentanone	ND		10		ug/L			02/06/21 08:45	1
Acetone	ND		10		ug/L			02/06/21 08:45	1
Acrylonitrile	ND		10		ug/L			02/06/21 08:45	1
Benzene	ND		0.20		ug/L			02/06/21 08:45	1
Bromochloromethane	ND		0.20		ug/L			02/06/21 08:45	1
Bromodichloromethane	ND		0.20		ug/L			02/06/21 08:45	1
Bromoform	ND		0.50		ug/L			02/06/21 08:45	1
Bromomethane	ND		0.50		ug/L			02/06/21 08:45	1
Carbon disulfide	ND		0.30		ug/L			02/06/21 08:45	1
Carbon tetrachloride	ND		0.20		ug/L			02/06/21 08:45	1
Chlorobenzene	ND		0.20		ug/L			02/06/21 08:45	1
Chloroethane	ND		0.50		ug/L			02/06/21 08:45	1
Chloroform	ND		0.20		ug/L			02/06/21 08:45	1
Chloromethane	ND		0.50		ug/L			02/06/21 08:45	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 08:45	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 08:45	1
Dibromochloromethane	ND		0.20		ug/L			02/06/21 08:45	1
Dibromomethane	ND		0.20		ug/L			02/06/21 08:45	1
Ethylbenzene	ND		0.20		ug/L			02/06/21 08:45	1
m,p-Xylene	ND		0.50		ug/L			02/06/21 08:45	1
Methyl iodide	ND		0.50		ug/L			02/06/21 08:45	1
Methylene Chloride	ND		5.0		ug/L			02/06/21 08:45	1
o-Xylene	ND		0.50		ug/L			02/06/21 08:45	1
Styrene	ND		1.0		ug/L			02/06/21 08:45	1
Tetrachloroethene	ND		0.50		ug/L			02/06/21 08:45	1
Toluene	ND		0.20		ug/L			02/06/21 08:45	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/06/21 08:45	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/06/21 08:45	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/06/21 08:45	1
Trichloroethene	ND		0.20		ug/L			02/06/21 08:45	1
Trichlorofluoromethane	ND		0.50		ug/L			02/06/21 08:45	1
Vinyl acetate	ND		2.0		ug/L			02/06/21 08:45	1
Vinyl chloride	ND		0.020		ug/L			02/06/21 08:45	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-349383/7
Matrix: Water
Analysis Batch: 349383

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		02/06/21 08:45	1
4-Bromofluorobenzene (Surr)	103		80 - 120		02/06/21 08:45	1
Dibromofluoromethane (Surr)	107		80 - 120		02/06/21 08:45	1
Toluene-d8 (Surr)	101		80 - 120		02/06/21 08:45	1

Lab Sample ID: LCS 580-349383/4
Matrix: Water
Analysis Batch: 349383

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	5.55		ug/L		111	79 - 127
1,1,1-Trichloroethane	5.00	5.09		ug/L		102	79 - 121
1,1,2,2-Tetrachloroethane	5.00	5.44		ug/L		109	76 - 123
1,1,2-Trichloroethane	5.00	5.95		ug/L		119	80 - 127
1,1-Dichloroethane	5.00	5.11		ug/L		102	74 - 120
1,1-Dichloroethene	5.00	4.66		ug/L		93	79 - 120
1,2,3-Trichloropropane	5.00	6.03		ug/L		121	75 - 127
1,2-Dibromo-3-Chloropropane	5.00	5.53		ug/L		111	73 - 123
1,2-Dibromoethane	5.00	5.94		ug/L		119	80 - 126
1,2-Dichlorobenzene	5.00	5.69		ug/L		114	80 - 129
1,2-Dichloroethane	5.00	5.42		ug/L		108	74 - 120
1,2-Dichloropropane	5.00	5.42		ug/L		108	80 - 130
1,4-Dichlorobenzene	5.00	5.71		ug/L		114	80 - 129
2-Butanone	25.0	25.6		ug/L		102	57 - 136
2-Hexanone	25.0	32.0		ug/L		128	56 - 144
4-Methyl-2-pentanone	25.0	29.2		ug/L		117	78 - 127
Acetone	25.0	25.8		ug/L		103	49 - 150
Acrylonitrile	50.0	49.4		ug/L		99	62 - 145
Benzene	5.00	5.28		ug/L		106	73 - 120
Bromochloromethane	5.00	5.42		ug/L		108	79 - 131
Bromodichloromethane	5.00	5.68		ug/L		114	74 - 120
Bromoform	5.00	5.96		ug/L		119	69 - 125
Bromomethane	5.00	4.64		ug/L		93	68 - 131
Carbon disulfide	5.00	4.72		ug/L		94	75 - 128
Carbon tetrachloride	5.00	5.04		ug/L		101	78 - 120
Chlorobenzene	5.00	5.56		ug/L		111	80 - 123
Chloroethane	5.00	4.62		ug/L		92	70 - 135
Chloroform	5.00	5.21		ug/L		104	80 - 130
Chloromethane	5.00	4.54		ug/L		91	66 - 134
cis-1,2-Dichloroethene	5.00	5.14		ug/L		103	72 - 130
cis-1,3-Dichloropropene	5.00	5.62		ug/L		112	77 - 120
Dibromochloromethane	5.00	6.04		ug/L		121	76 - 126
Dibromomethane	5.00	6.07		ug/L		121	65 - 141
Ethylbenzene	5.00	5.44		ug/L		109	80 - 130
m,p-Xylene	5.00	5.31		ug/L		106	86 - 130
Methyl iodide	5.00	4.90		ug/L		98	60 - 133
Methylene Chloride	5.00	4.98	J	ug/L		100	68 - 134
o-Xylene	5.00	5.37		ug/L		107	80 - 133

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-349383/4
Matrix: Water
Analysis Batch: 349383

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	5.84		ug/L		117	74 - 136
Tetrachloroethene	5.00	5.19		ug/L		104	75 - 131
Toluene	5.00	5.33		ug/L		107	80 - 126
trans-1,2-Dichloroethene	5.00	4.95		ug/L		99	63 - 133
trans-1,3-Dichloropropene	5.00	5.97		ug/L		119	71 - 128
trans-1,4-Dichloro-2-butene	5.00	5.10		ug/L		102	45 - 144
Trichloroethene	5.00	5.71		ug/L		114	72 - 136
Trichlorofluoromethane	5.00	4.77		ug/L		95	75 - 120
Vinyl acetate	12.5	6.62	*-	ug/L		53	60 - 138
Vinyl chloride	5.00	4.84		ug/L		97	69 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-349383/5
Matrix: Water
Analysis Batch: 349383

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	5.35		ug/L		107	79 - 127	4	11
1,1,1-Trichloroethane	5.00	4.98		ug/L		100	79 - 121	2	14
1,1,2,2-Tetrachloroethane	5.00	5.62		ug/L		112	76 - 123	3	10
1,1,2-Trichloroethane	5.00	5.72		ug/L		114	80 - 127	4	10
1,1-Dichloroethane	5.00	5.10		ug/L		102	74 - 120	0	10
1,1-Dichloroethene	5.00	4.70		ug/L		94	79 - 120	1	17
1,2,3-Trichloropropane	5.00	5.95		ug/L		119	75 - 127	1	12
1,2-Dibromo-3-Chloropropane	5.00	5.58		ug/L		112	73 - 123	1	16
1,2-Dibromoethane	5.00	5.98		ug/L		120	80 - 126	1	11
1,2-Dichlorobenzene	5.00	5.57		ug/L		111	80 - 129	2	10
1,2-Dichloroethane	5.00	5.38		ug/L		108	74 - 120	1	10
1,2-Dichloropropane	5.00	5.33		ug/L		107	80 - 130	2	14
1,4-Dichlorobenzene	5.00	5.49		ug/L		110	80 - 129	4	11
2-Butanone	25.0	26.8		ug/L		107	57 - 136	5	23
2-Hexanone	25.0	31.5		ug/L		126	56 - 144	1	21
4-Methyl-2-pentanone	25.0	28.6		ug/L		114	78 - 127	2	12
Acetone	25.0	26.4		ug/L		106	49 - 150	2	24
Acrylonitrile	50.0	49.7		ug/L		99	62 - 145	0	14
Benzene	5.00	5.21		ug/L		104	73 - 120	1	10
Bromochloromethane	5.00	5.32		ug/L		106	79 - 131	2	10
Bromodichloromethane	5.00	5.60		ug/L		112	74 - 120	1	10
Bromoform	5.00	6.06		ug/L		121	69 - 125	2	10
Bromomethane	5.00	4.64		ug/L		93	68 - 131	0	18
Carbon disulfide	5.00	4.68		ug/L		94	75 - 128	1	14
Carbon tetrachloride	5.00	4.97		ug/L		99	78 - 120	1	10
Chlorobenzene	5.00	5.39		ug/L		108	80 - 123	3	12

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-349383/5
Matrix: Water
Analysis Batch: 349383

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	4.59		ug/L		92	70 - 135	1	20
Chloroform			5.00	5.27		ug/L		105	80 - 130	1	10
Chloromethane			5.00	4.32		ug/L		86	66 - 134	5	16
cis-1,2-Dichloroethene			5.00	5.13		ug/L		103	72 - 130	0	10
cis-1,3-Dichloropropene			5.00	5.43		ug/L		109	77 - 120	3	10
Dibromochloromethane			5.00	5.88		ug/L		118	76 - 126	3	10
Dibromomethane			5.00	5.99		ug/L		120	65 - 141	1	10
Ethylbenzene			5.00	5.32		ug/L		106	80 - 130	2	10
m,p-Xylene			5.00	5.38		ug/L		108	86 - 130	1	10
Methyl iodide			5.00	4.81		ug/L		96	60 - 133	2	10
Methylene Chloride			5.00	4.93	J	ug/L		99	68 - 134	1	18
o-Xylene			5.00	5.23		ug/L		105	80 - 133	3	10
Styrene			5.00	5.71		ug/L		114	74 - 136	2	10
Tetrachloroethene			5.00	5.11		ug/L		102	75 - 131	1	20
Toluene			5.00	5.26		ug/L		105	80 - 126	1	20
trans-1,2-Dichloroethene			5.00	4.75		ug/L		95	63 - 133	4	17
trans-1,3-Dichloropropene			5.00	5.81		ug/L		116	71 - 128	3	16
trans-1,4-Dichloro-2-butene			5.00	5.33		ug/L		107	45 - 144	4	31
Trichloroethene			5.00	5.41		ug/L		108	72 - 136	5	14
Trichlorofluoromethane			5.00	4.75		ug/L		95	75 - 120	0	13
Vinyl acetate			12.5	8.62	*1	ug/L		69	60 - 138	26	22
Vinyl chloride			5.00	4.81		ug/L		96	69 - 128	1	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 580-349462/7
Matrix: Water
Analysis Batch: 349462

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			02/08/21 12:27	1
1,1,1-Trichloroethane	ND		0.20		ug/L			02/08/21 12:27	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/08/21 12:27	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/08/21 12:27	1
1,1-Dichloroethane	ND		0.20		ug/L			02/08/21 12:27	1
1,1-Dichloroethene	ND		0.20		ug/L			02/08/21 12:27	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/08/21 12:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/08/21 12:27	1
1,2-Dibromoethane	ND		0.10		ug/L			02/08/21 12:27	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/08/21 12:27	1
1,2-Dichloroethane	ND		0.20		ug/L			02/08/21 12:27	1
1,2-Dichloropropane	ND		0.20		ug/L			02/08/21 12:27	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/08/21 12:27	1
2-Butanone	ND		10		ug/L			02/08/21 12:27	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-349462/7
Matrix: Water
Analysis Batch: 349462

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			02/08/21 12:27	1
4-Methyl-2-pentanone	ND		10		ug/L			02/08/21 12:27	1
Acetone	ND		10		ug/L			02/08/21 12:27	1
Acrylonitrile	ND		10		ug/L			02/08/21 12:27	1
Benzene	ND		0.20		ug/L			02/08/21 12:27	1
Bromochloromethane	ND		0.20		ug/L			02/08/21 12:27	1
Bromodichloromethane	ND		0.20		ug/L			02/08/21 12:27	1
Bromoform	ND		0.50		ug/L			02/08/21 12:27	1
Bromomethane	ND		0.50		ug/L			02/08/21 12:27	1
Carbon disulfide	ND		0.30		ug/L			02/08/21 12:27	1
Carbon tetrachloride	ND		0.20		ug/L			02/08/21 12:27	1
Chlorobenzene	ND		0.20		ug/L			02/08/21 12:27	1
Chloroethane	ND		0.50		ug/L			02/08/21 12:27	1
Chloroform	ND		0.20		ug/L			02/08/21 12:27	1
Chloromethane	ND		0.50		ug/L			02/08/21 12:27	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/08/21 12:27	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 12:27	1
Dibromochloromethane	ND		0.20		ug/L			02/08/21 12:27	1
Dibromomethane	ND		0.20		ug/L			02/08/21 12:27	1
Ethylbenzene	ND		0.20		ug/L			02/08/21 12:27	1
m,p-Xylene	ND		0.50		ug/L			02/08/21 12:27	1
Methyl iodide	ND		0.50		ug/L			02/08/21 12:27	1
Methylene Chloride	ND		5.0		ug/L			02/08/21 12:27	1
o-Xylene	ND		0.50		ug/L			02/08/21 12:27	1
Styrene	ND		1.0		ug/L			02/08/21 12:27	1
Tetrachloroethene	ND		0.50		ug/L			02/08/21 12:27	1
Toluene	ND		0.20		ug/L			02/08/21 12:27	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/08/21 12:27	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/08/21 12:27	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/08/21 12:27	1
Trichloroethene	ND		0.20		ug/L			02/08/21 12:27	1
Trichlorofluoromethane	ND		0.50		ug/L			02/08/21 12:27	1
Vinyl acetate	ND		2.0		ug/L			02/08/21 12:27	1
Vinyl chloride	ND		0.020		ug/L			02/08/21 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*02/08/21 12:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*02/08/21 12:27*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*02/08/21 12:27*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/08/21 12:27*	*1*

Lab Sample ID: LCS 580-349462/4
Matrix: Water
Analysis Batch: 349462

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	4.91		ug/L		98	79 - 127
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	79 - 121

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-349462/4
Matrix: Water
Analysis Batch: 349462

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	5.33		ug/L		107	76 - 123
1,1,2-Trichloroethane	5.00	5.44		ug/L		109	80 - 127
1,1-Dichloroethane	5.00	4.89		ug/L		98	74 - 120
1,1-Dichloroethene	5.00	4.77		ug/L		95	79 - 120
1,2,3-Trichloropropane	5.00	5.32		ug/L		106	75 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.71		ug/L		94	73 - 123
1,2-Dibromoethane	5.00	5.69		ug/L		114	80 - 126
1,2-Dichlorobenzene	5.00	5.26		ug/L		105	80 - 129
1,2-Dichloroethane	5.00	5.50		ug/L		110	74 - 120
1,2-Dichloropropane	5.00	5.73		ug/L		115	80 - 130
1,4-Dichlorobenzene	5.00	5.44		ug/L		109	80 - 129
2-Butanone	25.0	22.9		ug/L		92	57 - 136
2-Hexanone	25.0	28.5		ug/L		114	56 - 144
4-Methyl-2-pentanone	25.0	24.7		ug/L		99	78 - 127
Acetone	25.0	26.9		ug/L		108	49 - 150
Acrylonitrile	50.0	43.7		ug/L		87	62 - 145
Benzene	5.00	5.41		ug/L		108	73 - 120
Bromochloromethane	5.00	5.05		ug/L		101	79 - 131
Bromodichloromethane	5.00	5.70		ug/L		114	74 - 120
Bromoform	5.00	5.41		ug/L		108	69 - 125
Bromomethane	5.00	4.95		ug/L		99	68 - 131
Carbon disulfide	5.00	5.05		ug/L		101	75 - 128
Carbon tetrachloride	5.00	5.19		ug/L		104	78 - 120
Chlorobenzene	5.00	5.35		ug/L		107	80 - 123
Chloroethane	5.00	4.71		ug/L		94	70 - 135
Chloroform	5.00	5.05		ug/L		101	80 - 130
Chloromethane	5.00	4.77		ug/L		95	66 - 134
cis-1,2-Dichloroethene	5.00	4.92		ug/L		98	72 - 130
cis-1,3-Dichloropropene	5.00	5.86		ug/L		117	77 - 120
Dibromochloromethane	5.00	5.58		ug/L		112	76 - 126
Dibromomethane	5.00	5.71		ug/L		114	65 - 141
Ethylbenzene	5.00	5.26		ug/L		105	80 - 130
m,p-Xylene	5.00	5.26		ug/L		105	86 - 130
Methyl iodide	5.00	4.73		ug/L		95	60 - 133
Methylene Chloride	5.00	4.47	J	ug/L		89	68 - 134
o-Xylene	5.00	4.91		ug/L		98	80 - 133
Styrene	5.00	5.41		ug/L		108	74 - 136
Tetrachloroethene	5.00	5.47		ug/L		109	75 - 131
Toluene	5.00	5.39		ug/L		108	80 - 126
trans-1,2-Dichloroethene	5.00	4.70		ug/L		94	63 - 133
trans-1,3-Dichloropropene	5.00	6.04		ug/L		121	71 - 128
trans-1,4-Dichloro-2-butene	5.00	5.69		ug/L		114	45 - 144
Trichloroethene	5.00	5.33		ug/L		107	72 - 136
Trichlorofluoromethane	5.00	5.26		ug/L		105	75 - 120
Vinyl acetate	12.5	13.2		ug/L		105	60 - 138
Vinyl chloride	5.00	5.28		ug/L		106	69 - 128

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-349462/4
Matrix: Water
Analysis Batch: 349462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 580-349462/5
Matrix: Water
Analysis Batch: 349462

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	4.86		ug/L		97	79 - 127	1	11
1,1,1-Trichloroethane			5.00	5.07		ug/L		101	79 - 121	1	14
1,1,2,2-Tetrachloroethane			5.00	5.47		ug/L		109	76 - 123	3	10
1,1,2-Trichloroethane			5.00	5.37		ug/L		107	80 - 127	1	10
1,1-Dichloroethane			5.00	4.96		ug/L		99	74 - 120	1	10
1,1-Dichloroethene			5.00	4.83		ug/L		97	79 - 120	1	17
1,2,3-Trichloropropane			5.00	5.32		ug/L		106	75 - 127	0	12
1,2-Dibromo-3-Chloropropane			5.00	4.91		ug/L		98	73 - 123	4	16
1,2-Dibromoethane			5.00	5.58		ug/L		112	80 - 126	2	11
1,2-Dichlorobenzene			5.00	5.24		ug/L		105	80 - 129	0	10
1,2-Dichloroethane			5.00	4.97		ug/L		99	74 - 120	10	10
1,2-Dichloropropane			5.00	5.58		ug/L		112	80 - 130	3	14
1,4-Dichlorobenzene			5.00	5.39		ug/L		108	80 - 129	1	11
2-Butanone			25.0	22.8		ug/L		91	57 - 136	1	23
2-Hexanone			25.0	26.6		ug/L		106	56 - 144	7	21
4-Methyl-2-pentanone			25.0	24.2		ug/L		97	78 - 127	2	12
Acetone			25.0	21.7		ug/L		87	49 - 150	22	24
Acrylonitrile			50.0	44.2		ug/L		88	62 - 145	1	14
Benzene			5.00	5.35		ug/L		107	73 - 120	1	10
Bromochloromethane			5.00	5.01		ug/L		100	79 - 131	1	10
Bromodichloromethane			5.00	5.44		ug/L		109	74 - 120	5	10
Bromoform			5.00	5.48		ug/L		110	69 - 125	1	10
Bromomethane			5.00	4.93		ug/L		99	68 - 131	0	18
Carbon disulfide			5.00	5.00		ug/L		100	75 - 128	1	14
Carbon tetrachloride			5.00	5.10		ug/L		102	78 - 120	2	10
Chlorobenzene			5.00	5.30		ug/L		106	80 - 123	1	12
Chloroethane			5.00	4.55		ug/L		91	70 - 135	3	20
Chloroform			5.00	4.92		ug/L		98	80 - 130	3	10
Chloromethane			5.00	4.89		ug/L		98	66 - 134	3	16
cis-1,2-Dichloroethene			5.00	4.86		ug/L		97	72 - 130	1	10
cis-1,3-Dichloropropene			5.00	5.73		ug/L		115	77 - 120	2	10
Dibromochloromethane			5.00	5.48		ug/L		110	76 - 126	2	10
Dibromomethane			5.00	5.89		ug/L		118	65 - 141	3	10
Ethylbenzene			5.00	5.19		ug/L		104	80 - 130	1	10
m,p-Xylene			5.00	5.18		ug/L		104	86 - 130	1	10
Methyl iodide			5.00	4.84		ug/L		97	60 - 133	2	10
Methylene Chloride			5.00	4.62	J	ug/L		92	68 - 134	3	18
o-Xylene			5.00	4.93		ug/L		99	80 - 133	0	10

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-349462/5
Matrix: Water
Analysis Batch: 349462

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	5.40		ug/L		108	74 - 136	0	10
Tetrachloroethene			5.00	5.41		ug/L		108	75 - 131	1	20
Toluene			5.00	5.23		ug/L		105	80 - 126	3	20
trans-1,2-Dichloroethene			5.00	4.76		ug/L		95	63 - 133	1	17
trans-1,3-Dichloropropene			5.00	5.96		ug/L		119	71 - 128	1	16
trans-1,4-Dichloro-2-butene			5.00	5.76		ug/L		115	45 - 144	1	31
Trichloroethene			5.00	5.38		ug/L		108	72 - 136	1	14
Trichlorofluoromethane			5.00	5.04		ug/L		101	75 - 120	4	13
Vinyl acetate			12.5	14.0		ug/L		112	60 - 138	6	22
Vinyl chloride			5.00	5.46		ug/L		109	69 - 128	3	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 580-349508/7
Matrix: Water
Analysis Batch: 349508

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	ND		10		ug/L			02/09/21 19:28	1
Acetone	ND		10		ug/L			02/09/21 19:28	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 19:28	1
Tetrachloroethene	ND		0.50		ug/L			02/09/21 19:28	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/09/21 19:28	1
Trichloroethene	ND		0.20		ug/L			02/09/21 19:28	1
Vinyl chloride	ND		0.020		ug/L			02/09/21 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*02/09/21 19:28*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/09/21 19:28*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*02/09/21 19:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/09/21 19:28*	*1*

Lab Sample ID: LCS 580-349508/4
Matrix: Water
Analysis Batch: 349508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone			25.0	26.1		ug/L		105	78 - 127
Acetone			25.0	20.8		ug/L		83	49 - 150
cis-1,2-Dichloroethene			5.00	4.68		ug/L		94	72 - 130
Tetrachloroethene			5.00	5.64		ug/L		113	75 - 131
trans-1,3-Dichloropropene			5.00	5.89		ug/L		118	71 - 128
Trichloroethene			5.00	5.23		ug/L		105	72 - 136
Vinyl chloride			5.00	4.34		ug/L		87	69 - 128

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-349508/4
Matrix: Water
Analysis Batch: 349508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 580-349508/5
Matrix: Water
Analysis Batch: 349508

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
4-Methyl-2-pentanone			25.0	23.9		ug/L		96	78 - 127	9	12
Acetone			25.0	19.1		ug/L		76	49 - 150	9	24
cis-1,2-Dichloroethene			5.00	4.75		ug/L		95	72 - 130	2	10
Tetrachloroethene			5.00	5.84		ug/L		117	75 - 131	4	20
trans-1,3-Dichloropropene			5.00	5.61		ug/L		112	71 - 128	5	16
Trichloroethene			5.00	5.20		ug/L		104	72 - 136	0	14
Vinyl chloride			5.00	4.79		ug/L		96	69 - 128	10	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-349305/22-A
Matrix: Water
Analysis Batch: 349494

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 349305

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.1		mg/L		02/04/21 18:14	02/08/21 20:00	1
Iron	ND		0.30		mg/L		02/04/21 18:14	02/08/21 20:00	1
Magnesium	ND		1.1		mg/L		02/04/21 18:14	02/08/21 20:00	1
Manganese	ND		0.020		mg/L		02/04/21 18:14	02/08/21 20:00	1
Potassium	ND		3.3		mg/L		02/04/21 18:14	02/08/21 20:00	1
Sodium	ND		2.0		mg/L		02/04/21 18:14	02/08/21 20:00	1

Lab Sample ID: LCS 580-349305/23-A
Matrix: Water
Analysis Batch: 349494

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 349305

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium			20.0	21.6		mg/L		108	80 - 120
Iron			20.0	21.3		mg/L		107	80 - 120
Magnesium			20.0	21.3		mg/L		107	80 - 120
Manganese			1.00	1.05		mg/L		105	80 - 120
Potassium			20.0	21.0		mg/L		105	80 - 120
Sodium			20.0	21.7		mg/L		109	80 - 120

Method: 6010D - Metals (ICP)

Lab Sample ID: LCSD 580-349305/24-A
Matrix: Water
Analysis Batch: 349494

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 349305

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium			20.0	22.1		mg/L		111	80 - 120	2	20
Iron			20.0	21.8		mg/L		109	80 - 120	2	20
Magnesium			20.0	22.0		mg/L		110	80 - 120	3	20
Manganese			1.00	1.00		mg/L		100	80 - 120	5	20
Potassium			20.0	20.4		mg/L		102	80 - 120	3	20
Sodium			20.0	22.3		mg/L		112	80 - 120	3	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-348825/22-A
Matrix: Water
Analysis Batch: 348906

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348825

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		01/29/21 12:19	02/01/21 06:50	1
Antimony	ND		0.00080		mg/L		01/29/21 12:19	02/01/21 06:50	1
Barium	ND		0.0012		mg/L		01/29/21 12:19	02/01/21 06:50	1
Beryllium	ND		0.00040		mg/L		01/29/21 12:19	02/01/21 06:50	1
Cadmium	ND		0.00080		mg/L		01/29/21 12:19	02/01/21 06:50	1
Chromium	ND		0.00080		mg/L		01/29/21 12:19	02/01/21 06:50	1
Cobalt	ND		0.00040		mg/L		01/29/21 12:19	02/01/21 06:50	1
Copper	ND		0.0020		mg/L		01/29/21 12:19	02/01/21 06:50	1
Lead	ND		0.00080		mg/L		01/29/21 12:19	02/01/21 06:50	1
Nickel	ND		0.0030		mg/L		01/29/21 12:19	02/01/21 06:50	1
Selenium	ND		0.0080		mg/L		01/29/21 12:19	02/01/21 06:50	1
Silver	ND		0.00040		mg/L		01/29/21 12:19	02/01/21 06:50	1
Thallium	ND		0.0010		mg/L		01/29/21 12:19	02/01/21 06:50	1
Vanadium	ND		0.0040		mg/L		01/29/21 12:19	02/01/21 06:50	1
Zinc	ND		0.0070		mg/L		01/29/21 12:19	02/01/21 06:50	1

Lab Sample ID: LCS 580-348825/23-A
Matrix: Water
Analysis Batch: 348906

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348825

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic			1.00	0.980		mg/L		98	80 - 120
Antimony			1.00	0.989		mg/L		99	80 - 120
Barium			1.00	0.996		mg/L		100	80 - 120
Beryllium			1.00	1.03		mg/L		103	80 - 120
Cadmium			1.00	0.978		mg/L		98	80 - 120
Chromium			1.00	1.00		mg/L		100	80 - 120
Cobalt			1.00	1.01		mg/L		101	80 - 120
Copper			1.00	0.977		mg/L		98	80 - 120
Lead			1.00	0.987		mg/L		99	80 - 120
Nickel			1.00	1.02		mg/L		102	80 - 120
Selenium			1.00	1.00		mg/L		100	80 - 120
Silver			1.00	0.974		mg/L		97	80 - 120
Thallium			1.00	0.993		mg/L		99	80 - 120
Vanadium			1.00	1.00		mg/L		100	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-348825/23-A
Matrix: Water
Analysis Batch: 348906

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348825

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1.00	0.983		mg/L		98	80 - 120

Lab Sample ID: LCSD 580-348825/24-A
Matrix: Water
Analysis Batch: 348906

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 348825

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	0.981		mg/L		98	80 - 120	0	20
Antimony	1.00	1.01		mg/L		101	80 - 120	2	20
Barium	1.00	1.00		mg/L		100	80 - 120	1	20
Beryllium	1.00	1.03		mg/L		103	80 - 120	1	20
Cadmium	1.00	0.981		mg/L		98	80 - 120	0	20
Chromium	1.00	0.998		mg/L		100	80 - 120	0	20
Cobalt	1.00	1.00		mg/L		100	80 - 120	0	20
Copper	1.00	0.990		mg/L		99	80 - 120	1	20
Lead	1.00	0.990		mg/L		99	80 - 120	0	20
Nickel	1.00	1.01		mg/L		101	80 - 120	2	20
Selenium	1.00	0.966		mg/L		97	80 - 120	4	20
Silver	1.00	0.973		mg/L		97	80 - 120	0	20
Thallium	1.00	1.01		mg/L		101	80 - 120	2	20
Vanadium	1.00	0.996		mg/L		100	80 - 120	1	20
Zinc	1.00	0.973		mg/L		97	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-348807/17
Matrix: Water
Analysis Batch: 348807

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			01/28/21 20:59	1

Lab Sample ID: LCS 580-348807/18
Matrix: Water
Analysis Batch: 348807

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	10.4		mg/L		104	90 - 110

Lab Sample ID: LCSD 580-348807/19
Matrix: Water
Analysis Batch: 348807

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	10.7		mg/L		107	90 - 110	3	15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 580-349089/48
Matrix: Water
Analysis Batch: 349089

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/L			02/03/21 00:30	1
Fluoride	ND		0.20		mg/L			02/03/21 00:30	1
Sulfate	ND		1.5		mg/L			02/03/21 00:30	1

Lab Sample ID: LCS 580-349089/51
Matrix: Water
Analysis Batch: 349089

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	52.3		mg/L		105	90 - 110
Fluoride	5.00	5.08		mg/L		102	90 - 110
Sulfate	50.0	51.4		mg/L		103	90 - 110

Lab Sample ID: LCSD 580-349089/52
Matrix: Water
Analysis Batch: 349089

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
Chloride	50.0	52.8		mg/L		106	90 - 110	1	15
Fluoride	5.00	5.30		mg/L		106	90 - 110	4	15
Sulfate	50.0	52.3		mg/L		105	90 - 110	2	15

Lab Sample ID: MB 580-349099/17
Matrix: Water
Analysis Batch: 349099

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5		mg/L			01/28/21 20:59	1
Fluoride	ND		0.20		mg/L			01/28/21 20:59	1
Sulfate	ND		1.5		mg/L			01/28/21 20:59	1

Lab Sample ID: LCS 580-349099/18
Matrix: Water
Analysis Batch: 349099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	52.3		mg/L		105	90 - 110
Fluoride	5.00	5.05		mg/L		101	90 - 110
Sulfate	50.0	47.0		mg/L		94	90 - 110

Lab Sample ID: LCSD 580-349099/19
Matrix: Water
Analysis Batch: 349099

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
Chloride	50.0	55.0		mg/L		110	90 - 110	5	15
Fluoride	5.00	5.14		mg/L		103	90 - 110	2	15
Sulfate	50.0	47.2		mg/L		94	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-348888/1-A
Matrix: Water
Analysis Batch: 349135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		01/30/21 16:32	02/03/21 13:12	1

Lab Sample ID: LCS 580-348888/2-A
Matrix: Water
Analysis Batch: 349135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.05		mg/L		102	90 - 110

Lab Sample ID: 580-100766-7 MS
Matrix: Water
Analysis Batch: 349135

Client Sample ID: 0121-07
Prep Type: Total/NA
Prep Batch: 348888

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	ND	F1	2.00	1.70	F1	mg/L		85	90 - 110

Lab Sample ID: 580-100766-7 MSD
Matrix: Water
Analysis Batch: 349135

Client Sample ID: 0121-07
Prep Type: Total/NA
Prep Batch: 348888

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND	F1	2.00	1.81		mg/L		91	90 - 110	6	20

Lab Sample ID: 580-100766-7 DU
Matrix: Water
Analysis Batch: 349135

Client Sample ID: 0121-07
Prep Type: Total/NA
Prep Batch: 348888

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	ND	F1	ND		mg/L		NC	20

Lab Sample ID: MB 580-349178/1-A
Matrix: Water
Analysis Batch: 349242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 349178

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		02/03/21 17:02	02/04/21 12:09	1

Lab Sample ID: LCS 580-349178/2-A
Matrix: Water
Analysis Batch: 349242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 349178

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	1.99		mg/L		99	90 - 110

Lab Sample ID: 580-100766-1 MS
Matrix: Water
Analysis Batch: 349242

Client Sample ID: 0121-01
Prep Type: Total/NA
Prep Batch: 349178

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	ND		2.00	1.83		mg/L		91	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: 580-100766-1 MSD
Matrix: Water
Analysis Batch: 349242

Client Sample ID: 0121-01
Prep Type: Total/NA
Prep Batch: 349178

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND		2.00	2.06		mg/L		103	90 - 110	12	20

Lab Sample ID: 580-100766-1 DU
Matrix: Water
Analysis Batch: 349242

Client Sample ID: 0121-01
Prep Type: Total/NA
Prep Batch: 349178

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	ND		ND		mg/L				NC	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-348946/2
Matrix: Water
Analysis Batch: 348946

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 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-348862/1
Matrix: Water
Analysis Batch: 348862

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			01/29/21 15:54	1

Lab Sample ID: LCS 580-348862/2
Matrix: Water
Analysis Batch: 348862

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	916		mg/L		92	80 - 120		

Method: SM 5220D - COD

Lab Sample ID: MB 580-348839/3-A
Matrix: Water
Analysis Batch: 348869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348839

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		01/29/21 12:58	01/29/21 17:18	1

Lab Sample ID: LCS 580-348839/4-A
Matrix: Water
Analysis Batch: 348869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348839

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			75.0	77.3		mg/L		103	80 - 120		

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-348839/5-A
Matrix: Water
Analysis Batch: 348869

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 348839

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	79.1		mg/L		105	80 - 120	2	20

Lab Sample ID: MB 580-348887/3-A
Matrix: Water
Analysis Batch: 348889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348887

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		01/30/21 14:31	01/30/21 18:46	1

Lab Sample ID: LCS 580-348887/4-A
Matrix: Water
Analysis Batch: 348889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348887

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			75.0	69.6		mg/L		93	80 - 120		

Lab Sample ID: LCSD 580-348887/5-A
Matrix: Water
Analysis Batch: 348889

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 348887

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	69.3		mg/L		92	80 - 120	1	20

Lab Sample ID: 580-100766-7 MS
Matrix: Water
Analysis Batch: 348889

Client Sample ID: 0121-07
Prep Type: Total/NA
Prep Batch: 348887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	ND		25.0	22.3		mg/L		89	75 - 125		

Lab Sample ID: 580-100766-7 DU
Matrix: Water
Analysis Batch: 348889

Client Sample ID: 0121-07
Prep Type: Total/NA
Prep Batch: 348887

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 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-349083/33
Matrix: Water
Analysis Batch: 349083

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			02/02/21 18:25	1

Client: SCS Engineers
Job ID: 580-100766-1
Project/Site: Coupeville Solid Waste Facility

Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 580-349083/34
Matrix: Water
Analysis Batch: 349083

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	10.0	10.7		mg/L		107	85 - 115

Lab Sample ID: LCSD 580-349083/35
Matrix: Water
Analysis Batch: 349083

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	10.0	10.5		mg/L		105	85 - 115	2	20

Lab Chronicle

Client: SCS Engineers
Job ID: 580-100766-1
Project/Site: Coupeville Solid Waste Facility

Client Sample ID: 0121-01
Lab Sample ID: 580-100766-1
Date Collected: 01/27/21 10:45
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 15:11	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	349508	02/09/21 17:45	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 20:38	TMH	TAL SEA
Total Recoverable	Prep	3005A			348825	01/29/21 12:14	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 07:37	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 19:02	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 19:02	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			349178	02/03/21 17:02	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349242	02/04/21 12:09	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:20	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348839	01/29/21 12:58	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348869	01/29/21 17:18	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/02/21 23:08	R1K	TAL SEA

Client Sample ID: 0121-02
Lab Sample ID: 580-100766-2
Date Collected: 01/27/21 11:40
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 15:37	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	349508	02/09/21 18:11	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 20:42	TMH	TAL SEA
Total Recoverable	Prep	3005A			348825	01/29/21 12:14	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 07:52	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 19:13	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 19:13	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			349178	02/03/21 17:02	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349242	02/04/21 12:09	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:20	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348839	01/29/21 12:58	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348869	01/29/21 17:18	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/02/21 23:23	R1K	TAL SEA

Client Sample ID: 0121-03
Lab Sample ID: 580-100766-3
Date Collected: 01/27/21 12:40
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 16:02	K1G	TAL SEA

Client Sample ID: 0121-04
Lab Sample ID: 580-100766-4
Date Collected: 01/27/21 13:20
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 16:28	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 20:45	TMH	TAL SEA
Total Recoverable	Prep	3005A			348825	01/29/21 12:14	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 08:03	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 19:25	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 19:25	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			349178	02/03/21 17:02	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349242	02/04/21 12:09	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:20	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348839	01/29/21 12:58	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348869	01/29/21 17:18	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/02/21 23:39	R1K	TAL SEA

Client Sample ID: 0121-05
Lab Sample ID: 580-100766-5
Date Collected: 01/27/21 14:35
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 16:54	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 20:48	TMH	TAL SEA
Total Recoverable	Prep	3005A			348825	01/29/21 12:14	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 07:49	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 19:37	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 19:37	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			349178	02/03/21 17:02	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349242	02/04/21 12:09	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:20	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348839	01/29/21 12:58	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348869	01/29/21 17:18	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/02/21 23:55	R1K	TAL SEA

Client Sample ID: 0121-06
Lab Sample ID: 580-100766-6
Date Collected: 01/27/21 15:40
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 17:20	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 20:52	TMH	TAL SEA

Lab Chronicle

Client: SCS Engineers
Job ID: 580-100766-1
Project/Site: Coupeville Solid Waste Facility

Client Sample ID: 0121-06
Lab Sample ID: 580-100766-6
Date Collected: 01/27/21 15:40
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348825	01/29/21 12:14	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 07:41	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 19:49	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 19:49	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			349178	02/03/21 17:02	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349242	02/04/21 12:09	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:20	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348839	01/29/21 12:58	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348869	01/29/21 17:18	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/03/21 00:42	R1K	TAL SEA

Client Sample ID: 0121-07
Lab Sample ID: 580-100766-7
Date Collected: 01/27/21 16:00
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 17:45	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 20:55	TMH	TAL SEA
Total Recoverable	Prep	3005A			348825	01/29/21 12:15	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 07:56	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 20:00	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 20:00	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			348888	01/30/21 16:32	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349135	02/03/21 13:12	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:21	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348887	01/30/21 14:31	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348889	01/30/21 18:46	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/03/21 00:58	R1K	TAL SEA

Client Sample ID: 0121-08
Lab Sample ID: 580-100766-8
Date Collected: 01/27/21 16:45
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349383	02/06/21 18:11	K1G	TAL SEA

Lab Chronicle

Client: SCS Engineers
Job ID: 580-100766-1
Project/Site: Coupeville Solid Waste Facility

Client Sample ID: 0121-09
Lab Sample ID: 580-100766-9
Date Collected: 01/28/21 09:20
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349462	02/08/21 17:38	TL1	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	349508	02/09/21 20:44	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 20:58	TMH	TAL SEA
Total Recoverable	Prep	3005A			348825	01/29/21 12:15	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 08:00	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 20:35	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 20:35	AAC	TAL SEA
Total/NA	Analysis	300.0		10	349089	02/03/21 00:19	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			348888	01/30/21 16:32	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349135	02/03/21 13:12	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:21	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348887	01/30/21 14:31	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348889	01/30/21 18:46	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/03/21 01:13	R1K	TAL SEA

Client Sample ID: 0121-10
Lab Sample ID: 580-100766-10
Date Collected: 01/28/21 10:25
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349462	02/08/21 18:03	TL1	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	349508	02/09/21 21:10	K1G	TAL SEA
Dissolved	Prep	3005A			349305	02/04/21 18:14	TMH	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 21:01	TMH	TAL SEA
Total Recoverable	Prep	3005A			348825	01/29/21 12:15	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	348906	02/01/21 07:45	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348807	01/28/21 20:47	AAC	TAL SEA
Total/NA	Analysis	300.0		1	349099	01/28/21 20:47	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			348888	01/30/21 16:32	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349135	02/03/21 13:12	AAC	TAL SEA
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:21	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 15:54	HCC	TAL SEA
Total/NA	Prep	SM 5220			348887	01/30/21 14:31	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348889	01/30/21 18:46	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349083	02/03/21 01:29	R1K	TAL SEA

Lab Chronicle

Client: SCS Engineers
Job ID: 580-100766-1
Project/Site: Coupeville Solid Waste Facility

Client Sample ID: Trip Blank
Lab Sample ID: 580-100766-11
Date Collected: 01/28/21 00:01
Matrix: Water
Date Received: 01/28/21 11:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349462	02/08/21 14:12	TL1	TAL SEA

Laboratory References:

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-100766-1
Project/Site: Coupeville Solid Waste Facility

Laboratory: Eurofins TestAmerica, Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C553	02-18-21

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
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2-Butanone
8260C LL		Water	2-Hexanone
8260C LL		Water	4-Methyl-2-pentanone
8260C LL		Water	Acetone
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Ethylbenzene
8260C LL		Water	m,p-Xylene
8260C LL		Water	Methyl iodide
8260C LL		Water	Methylene Chloride
8260C LL		Water	o-Xylene
8260C LL		Water	Styrene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-100766-1
Project/Site: Coupeville Solid Waste Facility

Laboratory: Eurofins TestAmerica, Seattle (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C553	02-18-21
8260C LL	Water	trans-1,2-Dichloroethene	
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	trans-1,4-Dichloro-2-butene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl acetate	
8260C LL	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 5310B	Water	Total Organic Carbon	

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100766-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-100766-1	0121-01	Water	01/27/21 10:45	01/28/21 11:38	
580-100766-2	0121-02	Water	01/27/21 11:40	01/28/21 11:38	
580-100766-3	0121-03	Water	01/27/21 12:40	01/28/21 11:38	
580-100766-4	0121-04	Water	01/27/21 13:20	01/28/21 11:38	
580-100766-5	0121-05	Water	01/27/21 14:35	01/28/21 11:38	
580-100766-6	0121-06	Water	01/27/21 15:40	01/28/21 11:38	
580-100766-7	0121-07	Water	01/27/21 16:00	01/28/21 11:38	
580-100766-8	0121-08	Water	01/27/21 16:45	01/28/21 11:38	
580-100766-9	0121-09	Water	01/28/21 09:20	01/28/21 11:38	
580-100766-10	0121-10	Water	01/28/21 10:25	01/28/21 11:38	
580-100766-11	Trip Blank	Water	01/28/21 00:01	01/28/21 11:38	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☐ Rush
☐ Short Hold

Chain of Custody Record

Client	Client Contact	Date	Chain of Custody Number
SCS Engineers	D. Venchiarutti / S. Graber	1/27/21	40300
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
2405 140th Ave NE #107	425-766-3362		
City / State / Zip Code	**Sampler**	**Lab Contact**	
Bellevue / WA / 98005	Sam G.	Nate Lewis	
Project Name and Location (State)	**Billing Contact**		
Cowlitz Solid Waste Facility	Dan V.		
Contract/Purchase Order/Quote No.			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: COD	Cl, F, SO4	NH3N	Alk, Cond, Bicarb	Total metals	Diss. metals	Ammonia	TOC	VOCs	TDS
0121-01	1/27/21	1045		X			2	3	2	3			X	X	X	X	X	X	X	X	X	X
0121-02		1140					2	3	2	3			X	X	X	X	X	X	X	X	X	X
0121-03		1240								3											X	
0121-04		1320					2	3	2	3			X	X	X	X	X	X	X	X	X	X
0121-05		1435					2	3	2	3			X	X	X	X	X	X	X	X	X	X
0121-06		1540					2	3	2	3			X	X	X	X	X	X	X	X	X	X
0121-07		1600					2	3	2	3			X	X	X	X	X	X	X	X	X	X
0121-08		1645								3											X	
0121-09	1/28/21	920					2	3	2	3			X	X	X	X	X	X	X	X	X	X
0121-10		1025					2	3	2	3			X	X	X	X	X	X	X	X	X	X
Trip Blank		–								2											X	

Special Instructions/ Conditions of Receipt

Loc: 580
100766

Cooler
☐ Yes ☐ No Cooler Temp: _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days)
☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By Sign/Print	Date	Time	1. Received By Sign/Print	Date	Time
Sam Graber	1/28/21	900	Joshua Sloan	1/28/21	1138
2. Relinquished By Sign/Print	Date	Time	2. Received By Sign/Print	Date	Time
3. Relinquished By Sign/Print	Date	Time		Date	Time

Comments: Picked up at site. JLS 1/28/21

580-100766 Chain of Custody

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

Therm. ID: A1 Cor: 3.2 ° Unc: 3.7 °
Cooler Dsc: LD
Packing: Bags
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: A1 Cor: 2.4 ° Unc: 2.9 °
Cooler Dsc: LD
Packing: Bags
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: A1 Cor: 2.6 ° Unc: 3.1 °
Cooler Dsc: LD
Packing: Bags
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-100766-1

Login Number: 100766
List Number: 1
Creator: Hobbs, Kenneth F

List Source: Eurofins TestAmerica, 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").	N/A	
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

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-100786-1
Client Project/Site: Coupeville Solid Waste Facility

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
2/17/2021 3:08:43 PM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 4
Client Sample Results 5
QC Sample Results 11
Chronicle 21
Certification Summary 22
Sample Summary 25
Chain of Custody 26
Receipt Checklists 28

Job ID: 580-100786-1

Laboratory: Eurofins TestAmerica, Seattle

Narrative

Job Narrative
580-100786-1

Comments
No additional comments.

Receipt
The samples were received on 1/29/2021 11:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-349469 was outside criteria for the following analyte(s): 2-Butanone and 2-Hexanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C LL: The minimum response factor (RF) criteria for the initial calibration verification (ICV) analyzed in batch 580-349342 was outside criteria for the following analytes: 2-Butanone, 4-Methyl-2-pentanone and 2-Hexanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analytes are considered estimated.

Method 8260C LL: The continuing calibration verification (CCV) associated with batch 580-349469 recovered above the upper control limit for Vinyl acetate, trans-1,3-Dichloropropene and Dibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 580-349469/3).

Method 8260C LL: The method blank for analytical batch 580-349508 contained Trichloroethene and Tetrachloroethene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-analysis of samples was not performed.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-349508 recovered outside control limits for the following analyte: Trichlorofluoromethane. Trichlorofluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, 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 analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 300.0 and 353.2: Tthe following samples were analyzed via 353.2 due to instrument malfunction for method 300.0: 0121-11 (580-100786-1) and 0121-12 (580-100786-2).

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 580-348888 and analytical batch 580-349135 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 5310B: The sample duplicate (DUP) precision for analytical batch 580-349375 was outside control limits. Sample matrix interference is suspected.

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

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

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100786-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL.

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 Solid Waste Facility

Job ID: 580-100786-1

Client Sample ID: 0121-11
Date Collected: 01/28/21 11:15
Date Received: 01/29/21 11:00

Lab Sample ID: 580-100786-1
Matrix: Water

Method: 8260C LL - 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			02/09/21 02:35	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/09/21 02:35	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/09/21 02:35	1
1,1-Dichloroethane	ND		0.20		ug/L			02/09/21 02:35	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/09/21 02:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/09/21 02:35	1
1,2-Dibromoethane	ND		0.10		ug/L			02/09/21 02:35	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/09/21 02:35	1
1,2-Dichloroethane	ND		0.20		ug/L			02/09/21 02:35	1
1,2-Dichloropropane	ND		0.20		ug/L			02/09/21 02:35	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/09/21 02:35	1
2-Butanone	ND		10		ug/L			02/09/21 02:35	1
2-Hexanone	ND		3.0		ug/L			02/09/21 02:35	1
4-Methyl-2-pentanone	ND		10		ug/L			02/09/21 02:35	1
Acetone	ND		10		ug/L			02/09/21 02:35	1
Acrylonitrile	ND		10		ug/L			02/09/21 02:35	1
Benzene	ND		0.20		ug/L			02/09/21 02:35	1
Bromochloromethane	ND		0.20		ug/L			02/09/21 02:35	1
Bromodichloromethane	ND		0.20		ug/L			02/09/21 02:35	1
Bromoform	ND		0.50		ug/L			02/09/21 02:35	1
Bromomethane	ND		0.50		ug/L			02/09/21 02:35	1
Chlorobenzene	ND		0.20		ug/L			02/09/21 02:35	1
Chloroethane	ND		0.50		ug/L			02/09/21 02:35	1
Chloroform	ND		0.20		ug/L			02/09/21 02:35	1
Chloromethane	ND		0.50		ug/L			02/09/21 02:35	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 02:35	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/09/21 02:35	1
Dibromochloromethane	ND		0.20		ug/L			02/09/21 02:35	1
Dibromomethane	ND		0.20		ug/L			02/09/21 02:35	1
Ethylbenzene	ND		0.20		ug/L			02/09/21 02:35	1
m,p-Xylene	ND		0.50		ug/L			02/09/21 02:35	1
Methyl iodide	ND		0.50		ug/L			02/09/21 02:35	1
Methylene Chloride	ND		5.0		ug/L			02/09/21 02:35	1
o-Xylene	ND		0.50		ug/L			02/09/21 02:35	1
Styrene	ND		1.0		ug/L			02/09/21 02:35	1
Toluene	ND		0.20		ug/L			02/09/21 02:35	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 02:35	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/09/21 02:35	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/09/21 02:35	1
Trichloroethene	ND		0.20		ug/L			02/09/21 02:35	1
Vinyl acetate	ND		2.0		ug/L			02/09/21 02:35	1
Vinyl chloride	ND		0.020		ug/L			02/09/21 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*02/09/21 02:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/09/21 02:35*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*02/09/21 02:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/09/21 02:35*	*1*

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100786-1

Client Sample ID: 0121-11

Date Collected: 01/28/21 11:15
Date Received: 01/29/21 11:00

Lab Sample ID: 580-100786-1

Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20		ug/L			02/09/21 22:27	1
1,1-Dichloroethene	ND		0.20		ug/L			02/09/21 22:27	1
Carbon disulfide	ND		0.30		ug/L			02/09/21 22:27	1
Carbon tetrachloride	ND		0.20		ug/L			02/09/21 22:27	1
Tetrachloroethene	ND		0.50		ug/L			02/09/21 22:27	1
Trichlorofluoromethane	ND	*- *1	0.50		ug/L			02/09/21 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*02/09/21 22:27*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/09/21 22:27*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*02/09/21 22:27*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*02/09/21 22:27*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**82**		1.1		mg/L		02/08/21 12:41	02/08/21 21:24	1
Iron	ND		0.30		mg/L		02/08/21 12:41	02/08/21 21:24	1
Magnesium	**45**		1.1		mg/L		02/08/21 12:41	02/08/21 21:24	1
Manganese	ND		0.020		mg/L		02/08/21 12:41	02/08/21 21:24	1
Potassium	**5.3**		3.3		mg/L		02/08/21 12:41	02/08/21 21:24	1
Sodium	**30**		2.0		mg/L		02/08/21 12:41	02/08/21 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0040**		0.0010		mg/L		02/05/21 13:17	02/05/21 18:47	1
Antimony	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 18:47	1
Barium	**0.020**		0.0012		mg/L		02/05/21 13:17	02/05/21 18:47	1
Beryllium	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 18:47	1
Cadmium	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 18:47	1
Chromium	**0.0030**		0.00080		mg/L		02/05/21 13:17	02/05/21 18:47	1
Cobalt	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 18:47	1
Copper	**0.0073**		0.0020		mg/L		02/05/21 13:17	02/05/21 18:47	1
Lead	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 18:47	1
Nickel	ND		0.0030		mg/L		02/05/21 13:17	02/05/21 18:47	1
Selenium	ND		0.0080		mg/L		02/05/21 13:17	02/05/21 18:47	1
Silver	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 18:47	1
Thallium	ND		0.0010		mg/L		02/05/21 13:17	02/05/21 18:47	1
Vanadium	**0.0065**		0.0040		mg/L		02/05/21 13:17	02/05/21 18:47	1
Zinc	**0.010**		0.0070		mg/L		02/05/21 13:17	02/05/21 18:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.24**		0.20		mg/L			02/01/21 09:24	1
Chloride	**65**		1.5		mg/L			02/01/21 09:24	1
Sulfate	**58**		1.5		mg/L			02/01/21 09:24	1
Ammonia	ND		0.50		mg/L		01/30/21 16:41	02/03/21 13:12	1
Nitrate Nitrite as N	**0.42**		0.10		mg/L			02/15/21 17:29	1
Total Organic Carbon	**3.0**		1.5		mg/L			02/04/21 23:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**300**		5.0		mg/L			02/01/21 13:20	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100786-1

Client Sample ID: 0121-11
Date Collected: 01/28/21 11:15
Date Received: 01/29/21 11:00

Lab Sample ID: 580-100786-1
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	**300**		5.0		mg/L			02/01/21 13:20	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Total Dissolved Solids	**500**		10		mg/L			01/29/21 16:17	1
Chemical Oxygen Demand	ND		10		mg/L		01/30/21 14:31	01/30/21 18:46	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100786-1

Client Sample ID: 0121-12
Date Collected: 01/28/21 11:50
Date Received: 01/29/21 11:00

Lab Sample ID: 580-100786-2
Matrix: Water

Method: 8260C LL - 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			02/09/21 03:00	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/09/21 03:00	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/09/21 03:00	1
1,1-Dichloroethane	ND		0.20		ug/L			02/09/21 03:00	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/09/21 03:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/09/21 03:00	1
1,2-Dibromoethane	ND		0.10		ug/L			02/09/21 03:00	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/09/21 03:00	1
1,2-Dichloroethane	ND		0.20		ug/L			02/09/21 03:00	1
1,2-Dichloropropane	ND		0.20		ug/L			02/09/21 03:00	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/09/21 03:00	1
2-Butanone	ND		10		ug/L			02/09/21 03:00	1
2-Hexanone	ND		3.0		ug/L			02/09/21 03:00	1
4-Methyl-2-pentanone	ND		10		ug/L			02/09/21 03:00	1
Acetone	ND		10		ug/L			02/09/21 03:00	1
Acrylonitrile	ND		10		ug/L			02/09/21 03:00	1
Benzene	ND		0.20		ug/L			02/09/21 03:00	1
Bromochloromethane	ND		0.20		ug/L			02/09/21 03:00	1
Bromodichloromethane	ND		0.20		ug/L			02/09/21 03:00	1
Bromoform	ND		0.50		ug/L			02/09/21 03:00	1
Bromomethane	ND		0.50		ug/L			02/09/21 03:00	1
Chlorobenzene	ND		0.20		ug/L			02/09/21 03:00	1
Chloroethane	ND		0.50		ug/L			02/09/21 03:00	1
Chloroform	ND		0.20		ug/L			02/09/21 03:00	1
Chloromethane	ND		0.50		ug/L			02/09/21 03:00	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 03:00	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/09/21 03:00	1
Dibromochloromethane	ND		0.20		ug/L			02/09/21 03:00	1
Dibromomethane	ND		0.20		ug/L			02/09/21 03:00	1
Ethylbenzene	ND		0.20		ug/L			02/09/21 03:00	1
m,p-Xylene	ND		0.50		ug/L			02/09/21 03:00	1
Methyl iodide	ND		0.50		ug/L			02/09/21 03:00	1
Methylene Chloride	ND		5.0		ug/L			02/09/21 03:00	1
o-Xylene	ND		0.50		ug/L			02/09/21 03:00	1
Styrene	ND		1.0		ug/L			02/09/21 03:00	1
Toluene	ND		0.20		ug/L			02/09/21 03:00	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 03:00	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/09/21 03:00	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/09/21 03:00	1
Trichloroethene	ND		0.20		ug/L			02/09/21 03:00	1
Vinyl acetate	ND		2.0		ug/L			02/09/21 03:00	1
Vinyl chloride	ND		0.020		ug/L			02/09/21 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*02/09/21 03:00*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/09/21 03:00*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*02/09/21 03:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/09/21 03:00*	*1*

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100786-1

Client Sample ID: 0121-12

Date Collected: 01/28/21 11:50
Date Received: 01/29/21 11:00

Lab Sample ID: 580-100786-2

Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20		ug/L			02/09/21 22:52	1
1,1-Dichloroethene	ND		0.20		ug/L			02/09/21 22:52	1
Carbon disulfide	ND		0.30		ug/L			02/09/21 22:52	1
Carbon tetrachloride	ND		0.20		ug/L			02/09/21 22:52	1
Tetrachloroethene	ND		0.50		ug/L			02/09/21 22:52	1
Trichlorofluoromethane	ND	*- *1	0.50		ug/L			02/09/21 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*02/09/21 22:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*02/09/21 22:52*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*02/09/21 22:52*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/09/21 22:52*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**85**		1.1		mg/L		02/08/21 12:41	02/08/21 21:39	1
Iron	ND		0.30		mg/L		02/08/21 12:41	02/08/21 21:39	1
Magnesium	**48**		1.1		mg/L		02/08/21 12:41	02/08/21 21:39	1
Manganese	ND		0.020		mg/L		02/08/21 12:41	02/08/21 21:39	1
Potassium	**5.3**		3.3		mg/L		02/08/21 12:41	02/08/21 21:39	1
Sodium	**34**		2.0		mg/L		02/08/21 12:41	02/08/21 21:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0034**		0.0010		mg/L		02/05/21 13:17	02/05/21 18:51	1
Antimony	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 18:51	1
Barium	**0.023**		0.0012		mg/L		02/05/21 13:17	02/05/21 18:51	1
Beryllium	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 18:51	1
Cadmium	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 18:51	1
Chromium	**0.0017**		0.00080		mg/L		02/05/21 13:17	02/05/21 18:51	1
Cobalt	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 18:51	1
Copper	**0.037**		0.0020		mg/L		02/05/21 13:17	02/05/21 18:51	1
Lead	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 18:51	1
Nickel	ND		0.0030		mg/L		02/05/21 13:17	02/05/21 18:51	1
Selenium	ND		0.0080		mg/L		02/05/21 13:17	02/05/21 18:51	1
Silver	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 18:51	1
Thallium	ND		0.0010		mg/L		02/05/21 13:17	02/05/21 18:51	1
Vanadium	ND		0.0040		mg/L		02/05/21 13:17	02/05/21 18:51	1
Zinc	**0.054**		0.0070		mg/L		02/05/21 13:17	02/05/21 18:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.71**		0.20		mg/L			02/01/21 09:35	1
Chloride	**63**	**F1**	1.5		mg/L			02/01/21 09:35	1
Sulfate	**45**	**F1**	1.5		mg/L			02/01/21 09:35	1
Ammonia	ND		0.50		mg/L		01/30/21 16:41	02/03/21 13:12	1
Nitrate Nitrite as N	**1.7**		0.10		mg/L			02/15/21 17:31	1
Total Organic Carbon	**3.6**		1.5		mg/L			02/05/21 00:22	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**330**		5.0		mg/L			02/01/21 13:20	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100786-1

Client Sample ID: 0121-12
Date Collected: 01/28/21 11:50
Date Received: 01/29/21 11:00

Lab Sample ID: 580-100786-2
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	**330**		5.0		mg/L			02/01/21 13:20	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			02/01/21 13:20	1
Total Dissolved Solids	**470**		10		mg/L			01/29/21 16:17	1
Chemical Oxygen Demand	ND		10		mg/L		01/30/21 14:31	01/30/21 18:46	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-349469/7
Matrix: Water
Analysis Batch: 349469

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			02/09/21 00:27	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			02/09/21 00:27	1
1,1,2-Trichloroethane	ND		0.20		ug/L			02/09/21 00:27	1
1,1-Dichloroethane	ND		0.20		ug/L			02/09/21 00:27	1
1,2,3-Trichloropropane	ND		0.20		ug/L			02/09/21 00:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			02/09/21 00:27	1
1,2-Dibromoethane	ND		0.10		ug/L			02/09/21 00:27	1
1,2-Dichlorobenzene	ND		0.30		ug/L			02/09/21 00:27	1
1,2-Dichloroethane	ND		0.20		ug/L			02/09/21 00:27	1
1,2-Dichloropropane	ND		0.20		ug/L			02/09/21 00:27	1
1,4-Dichlorobenzene	ND		0.30		ug/L			02/09/21 00:27	1
2-Butanone	ND		10		ug/L			02/09/21 00:27	1
2-Hexanone	ND		3.0		ug/L			02/09/21 00:27	1
4-Methyl-2-pentanone	ND		10		ug/L			02/09/21 00:27	1
Acetone	ND		10		ug/L			02/09/21 00:27	1
Acrylonitrile	ND		10		ug/L			02/09/21 00:27	1
Benzene	ND		0.20		ug/L			02/09/21 00:27	1
Bromochloromethane	ND		0.20		ug/L			02/09/21 00:27	1
Bromodichloromethane	ND		0.20		ug/L			02/09/21 00:27	1
Bromoform	ND		0.50		ug/L			02/09/21 00:27	1
Bromomethane	ND		0.50		ug/L			02/09/21 00:27	1
Chlorobenzene	ND		0.20		ug/L			02/09/21 00:27	1
Chloroethane	ND		0.50		ug/L			02/09/21 00:27	1
Chloroform	ND		0.20		ug/L			02/09/21 00:27	1
Chloromethane	ND		0.50		ug/L			02/09/21 00:27	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 00:27	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			02/09/21 00:27	1
Dibromochloromethane	ND		0.20		ug/L			02/09/21 00:27	1
Dibromomethane	ND		0.20		ug/L			02/09/21 00:27	1
Ethylbenzene	ND		0.20		ug/L			02/09/21 00:27	1
m,p-Xylene	ND		0.50		ug/L			02/09/21 00:27	1
Methyl iodide	ND		0.50		ug/L			02/09/21 00:27	1
Methylene Chloride	ND		5.0		ug/L			02/09/21 00:27	1
o-Xylene	ND		0.50		ug/L			02/09/21 00:27	1
Styrene	ND		1.0		ug/L			02/09/21 00:27	1
Toluene	ND		0.20		ug/L			02/09/21 00:27	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			02/09/21 00:27	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			02/09/21 00:27	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			02/09/21 00:27	1
Trichloroethene	ND		0.20		ug/L			02/09/21 00:27	1
Vinyl acetate	ND		2.0		ug/L			02/09/21 00:27	1
Vinyl chloride	ND		0.020		ug/L			02/09/21 00:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*02/09/21 00:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*02/09/21 00:27*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*02/09/21 00:27*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/09/21 00:27*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCS 580-349469/4
Matrix: Water
Analysis Batch: 349469

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	4.47		ug/L		89	79 - 127
1,1,2,2-Tetrachloroethane	5.00	5.17		ug/L		103	76 - 123
1,1,2-Trichloroethane	5.00	5.42		ug/L		108	80 - 127
1,1-Dichloroethane	5.00	4.29		ug/L		86	74 - 120
1,2,3-Trichloropropane	5.00	5.33		ug/L		107	75 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.68		ug/L		94	73 - 123
1,2-Dibromoethane	5.00	5.33		ug/L		107	80 - 126
1,2-Dichlorobenzene	5.00	4.82		ug/L		96	80 - 129
1,2-Dichloroethane	5.00	4.89		ug/L		98	74 - 120
1,2-Dichloropropane	5.00	5.25		ug/L		105	80 - 130
1,4-Dichlorobenzene	5.00	4.93		ug/L		99	80 - 129
2-Butanone	25.0	24.3		ug/L		97	57 - 136
2-Hexanone	25.0	27.0		ug/L		108	56 - 144
4-Methyl-2-pentanone	25.0	24.3		ug/L		97	78 - 127
Acetone	25.0	20.2		ug/L		81	49 - 150
Acrylonitrile	50.0	42.5		ug/L		85	62 - 145
Benzene	5.00	4.73		ug/L		95	73 - 120
Bromochloromethane	5.00	4.66		ug/L		93	79 - 131
Bromodichloromethane	5.00	5.23		ug/L		105	74 - 120
Bromoform	5.00	5.09		ug/L		102	69 - 125
Bromomethane	5.00	3.92		ug/L		78	68 - 131
Chlorobenzene	5.00	4.91		ug/L		98	80 - 123
Chloroethane	5.00	3.74		ug/L		75	70 - 135
Chloroform	5.00	4.48		ug/L		90	80 - 130
Chloromethane	5.00	3.77		ug/L		75	66 - 134
cis-1,2-Dichloroethene	5.00	4.38		ug/L		88	72 - 130
cis-1,3-Dichloropropene	5.00	5.39		ug/L		108	77 - 120
Dibromochloromethane	5.00	5.24		ug/L		105	76 - 126
Dibromomethane	5.00	5.57		ug/L		111	65 - 141
Ethylbenzene	5.00	4.51		ug/L		90	80 - 130
m,p-Xylene	5.00	4.52		ug/L		90	86 - 130
Methyl iodide	5.00	4.11		ug/L		82	60 - 133
Methylene Chloride	5.00	4.30	J	ug/L		86	68 - 134
o-Xylene	5.00	4.32		ug/L		86	80 - 133
Styrene	5.00	4.92		ug/L		98	74 - 136
Toluene	5.00	4.73		ug/L		95	80 - 126
trans-1,2-Dichloroethene	5.00	3.83		ug/L		77	63 - 133
trans-1,3-Dichloropropene	5.00	5.70		ug/L		114	71 - 128
trans-1,4-Dichloro-2-butene	5.00	3.59		ug/L		72	45 - 144
Trichloroethene	5.00	5.09		ug/L		102	72 - 136
Vinyl acetate	12.5	10.8		ug/L		86	60 - 138
Vinyl chloride	5.00	4.14		ug/L		83	69 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*94*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: LCSD 580-349469/5
Matrix: Water
Analysis Batch: 349469

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	4.41		ug/L		88	79 - 127	1	11
1,1,2,2-Tetrachloroethane			5.00	4.97		ug/L		99	76 - 123	4	10
1,1,2-Trichloroethane			5.00	5.02		ug/L		100	80 - 127	8	10
1,1-Dichloroethane			5.00	4.07		ug/L		81	74 - 120	5	10
1,2,3-Trichloropropane			5.00	4.85		ug/L		97	75 - 127	9	12
1,2-Dibromo-3-Chloropropane			5.00	4.44		ug/L		89	73 - 123	5	16
1,2-Dibromoethane			5.00	5.23		ug/L		105	80 - 126	2	11
1,2-Dichlorobenzene			5.00	4.57		ug/L		91	80 - 129	5	10
1,2-Dichloroethane			5.00	4.66		ug/L		93	74 - 120	5	10
1,2-Dichloropropane			5.00	5.06		ug/L		101	80 - 130	4	14
1,4-Dichlorobenzene			5.00	4.69		ug/L		94	80 - 129	5	11
2-Butanone			25.0	24.1		ug/L		96	57 - 136	1	23
2-Hexanone			25.0	26.6		ug/L		106	56 - 144	1	21
4-Methyl-2-pentanone			25.0	23.4		ug/L		93	78 - 127	4	12
Acetone			25.0	20.9		ug/L		84	49 - 150	3	24
Acrylonitrile			50.0	39.0		ug/L		78	62 - 145	9	14
Benzene			5.00	4.57		ug/L		91	73 - 120	4	10
Bromochloromethane			5.00	4.51		ug/L		90	79 - 131	3	10
Bromodichloromethane			5.00	5.05		ug/L		101	74 - 120	3	10
Bromoform			5.00	5.01		ug/L		100	69 - 125	2	10
Bromomethane			5.00	3.87		ug/L		77	68 - 131	1	18
Chlorobenzene			5.00	4.66		ug/L		93	80 - 123	5	12
Chloroethane			5.00	3.76		ug/L		75	70 - 135	1	20
Chloroform			5.00	4.27		ug/L		85	80 - 130	5	10
Chloromethane			5.00	3.50		ug/L		70	66 - 134	7	16
cis-1,2-Dichloroethene			5.00	4.23		ug/L		85	72 - 130	3	10
cis-1,3-Dichloropropene			5.00	5.21		ug/L		104	77 - 120	3	10
Dibromochloromethane			5.00	5.16		ug/L		103	76 - 126	2	10
Dibromomethane			5.00	5.29		ug/L		106	65 - 141	5	10
Ethylbenzene			5.00	4.29		ug/L		86	80 - 130	5	10
m,p-Xylene			5.00	4.34		ug/L		87	86 - 130	4	10
Methyl iodide			5.00	4.02		ug/L		80	60 - 133	2	10
Methylene Chloride			5.00	4.22	J	ug/L		84	68 - 134	2	18
o-Xylene			5.00	4.17		ug/L		83	80 - 133	4	10
Styrene			5.00	4.74		ug/L		95	74 - 136	4	10
Toluene			5.00	4.51		ug/L		90	80 - 126	5	20
trans-1,2-Dichloroethene			5.00	3.87		ug/L		77	63 - 133	1	17
trans-1,3-Dichloropropene			5.00	5.52		ug/L		110	71 - 128	3	16
trans-1,4-Dichloro-2-butene			5.00	3.59		ug/L		72	45 - 144	0	31
Trichloroethene			5.00	4.60		ug/L		92	72 - 136	10	14
Vinyl acetate			12.5	11.3		ug/L		91	60 - 138	5	22
Vinyl chloride			5.00	3.63		ug/L		73	69 - 128	13	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-349508/7
Matrix: Water
Analysis Batch: 349508

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			02/09/21 19:28	1
1,1-Dichloroethene	ND		0.20		ug/L			02/09/21 19:28	1
4-Methyl-2-pentanone	ND		10		ug/L			02/09/21 19:28	1
Acetone	ND		10		ug/L			02/09/21 19:28	1
Carbon disulfide	ND		0.30		ug/L			02/09/21 19:28	1
Carbon tetrachloride	ND		0.20		ug/L			02/09/21 19:28	1
Tetrachloroethene	ND		0.50		ug/L			02/09/21 19:28	1
Trichlorofluoromethane	ND		0.50		ug/L			02/09/21 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*02/09/21 19:28*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/09/21 19:28*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*02/09/21 19:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/09/21 19:28*	*1*

Lab Sample ID: LCS 580-349508/4
Matrix: Water
Analysis Batch: 349508

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	4.52		ug/L		90	79 - 121		
1,1-Dichloroethene			5.00	4.38		ug/L		88	79 - 120		
4-Methyl-2-pentanone			25.0	26.1		ug/L		105	78 - 127		
Acetone			25.0	20.8		ug/L		83	49 - 150		
Carbon disulfide			5.00	4.33		ug/L		87	75 - 128		
Carbon tetrachloride			5.00	4.61		ug/L		92	78 - 120		
Tetrachloroethene			5.00	5.64		ug/L		113	75 - 131		
Trichlorofluoromethane			5.00	4.46		ug/L		89	75 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 580-349508/5
Matrix: Water
Analysis Batch: 349508

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	4.81		ug/L		96	79 - 121	6	14
1,1-Dichloroethene			5.00	4.79		ug/L		96	79 - 120	9	17
4-Methyl-2-pentanone			25.0	23.9		ug/L		96	78 - 127	9	12
Acetone			25.0	19.1		ug/L		76	49 - 150	9	24
Carbon disulfide			5.00	4.74		ug/L		95	75 - 128	9	14
Carbon tetrachloride			5.00	4.92		ug/L		98	78 - 120	6	10
Tetrachloroethene			5.00	5.84		ug/L		117	75 - 131	4	20
Trichlorofluoromethane			5.00	3.27	*- *1	ug/L		65	75 - 120	31	13

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-349426/8-A
Matrix: Water
Analysis Batch: 349494

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 349426

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.1		mg/L		02/08/21 12:41	02/08/21 21:15	1
Iron	ND		0.30		mg/L		02/08/21 12:41	02/08/21 21:15	1
Magnesium	ND		1.1		mg/L		02/08/21 12:41	02/08/21 21:15	1
Manganese	ND		0.020		mg/L		02/08/21 12:41	02/08/21 21:15	1
Potassium	ND		3.3		mg/L		02/08/21 12:41	02/08/21 21:15	1
Sodium	ND		2.0		mg/L		02/08/21 12:41	02/08/21 21:15	1

Lab Sample ID: LCS 580-349426/9-A
Matrix: Water
Analysis Batch: 349494

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 349426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	20.0	22.1		mg/L		110	80 - 120
Iron	20.0	21.4		mg/L		107	80 - 120
Magnesium	20.0	21.9		mg/L		110	80 - 120
Manganese	1.00	0.922		mg/L		92	80 - 120
Potassium	20.0	18.7		mg/L		94	80 - 120
Sodium	20.0	22.1		mg/L		110	80 - 120

Lab Sample ID: LCSD 580-349426/10-A
Matrix: Water
Analysis Batch: 349494

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 349426

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	20.0	21.9		mg/L		110	80 - 120	1	20
Iron	20.0	21.3		mg/L		107	80 - 120	1	20
Magnesium	20.0	21.6		mg/L		108	80 - 120	2	20
Manganese	1.00	0.947		mg/L		95	80 - 120	3	20
Potassium	20.0	19.0		mg/L		95	80 - 120	1	20
Sodium	20.0	21.8		mg/L		109	80 - 120	1	20

Lab Sample ID: 580-100786-1 MS
Matrix: Water
Analysis Batch: 349494

Client Sample ID: 0121-11
Prep Type: Dissolved
Prep Batch: 349426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	82		20.0	103	4	mg/L		106	80 - 120
Iron	ND		20.0	20.7		mg/L		104	80 - 120
Magnesium	45		20.0	65.6		mg/L		103	80 - 120
Manganese	ND		1.00	1.02		mg/L		102	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-100786-1 MS
Matrix: Water
Analysis Batch: 349494

Client Sample ID: 0121-11
Prep Type: Dissolved
Prep Batch: 349426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Potassium	5.3		20.0	26.8		mg/L		107	80 - 120
Sodium	30		20.0	52.1		mg/L		109	80 - 120

Lab Sample ID: 580-100786-1 MSD
Matrix: Water
Analysis Batch: 349494

Client Sample ID: 0121-11
Prep Type: Dissolved
Prep Batch: 349426

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	82		20.0	103	4	mg/L		105	80 - 120	0	20
Iron	ND		20.0	21.5		mg/L		107	80 - 120	4	20
Magnesium	45		20.0	65.8		mg/L		104	80 - 120	0	20
Manganese	ND		1.00	1.00		mg/L		100	80 - 120	2	20
Potassium	5.3		20.0	26.4		mg/L		105	80 - 120	2	20
Sodium	30		20.0	52.4		mg/L		110	80 - 120	1	20

Lab Sample ID: 580-100786-1 DU
Matrix: Water
Analysis Batch: 349494

Client Sample ID: 0121-11
Prep Type: Dissolved
Prep Batch: 349426

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	82		80.0		mg/L		2	20
Iron	ND		ND		mg/L		NC	20
Magnesium	45		44.7		mg/L		0.6	20
Manganese	ND		ND		mg/L		NC	20
Potassium	5.3		5.05		mg/L		6	20
Sodium	30		29.9		mg/L		1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-349340/22-A
Matrix: Water
Analysis Batch: 349404

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 349340

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		02/05/21 13:17	02/05/21 17:55	1
Antimony	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 17:55	1
Barium	ND		0.0012		mg/L		02/05/21 13:17	02/05/21 17:55	1
Beryllium	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 17:55	1
Cadmium	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 17:55	1
Chromium	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 17:55	1
Cobalt	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 17:55	1
Copper	ND		0.0020		mg/L		02/05/21 13:17	02/05/21 17:55	1
Lead	ND		0.00080		mg/L		02/05/21 13:17	02/05/21 17:55	1
Nickel	ND		0.0030		mg/L		02/05/21 13:17	02/05/21 17:55	1
Selenium	ND		0.0080		mg/L		02/05/21 13:17	02/05/21 17:55	1
Silver	ND		0.00040		mg/L		02/05/21 13:17	02/05/21 17:55	1
Thallium	ND		0.0010		mg/L		02/05/21 13:17	02/05/21 17:55	1
Vanadium	ND		0.0040		mg/L		02/05/21 13:17	02/05/21 17:55	1
Zinc	ND		0.0070		mg/L		02/05/21 13:17	02/05/21 17:55	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-349340/23-A
Matrix: Water
Analysis Batch: 349404

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 349340

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.03		mg/L		103	80 - 120
Antimony	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	0.997		mg/L		100	80 - 120
Beryllium	1.00	0.975		mg/L		97	80 - 120
Cadmium	1.00	1.02		mg/L		102	80 - 120
Chromium	1.00	1.00		mg/L		100	80 - 120
Cobalt	1.00	1.03		mg/L		103	80 - 120
Copper	1.00	1.01		mg/L		101	80 - 120
Lead	1.00	1.02		mg/L		102	80 - 120
Nickel	1.00	1.00		mg/L		100	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	1.00	1.01		mg/L		101	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	1.00	1.01		mg/L		101	80 - 120
Zinc	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: LCSD 580-349340/24-A
Matrix: Water
Analysis Batch: 349404

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 349340

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	1.03		mg/L		103	80 - 120	0	20
Antimony	1.00	1.05		mg/L		105	80 - 120	0	20
Barium	1.00	1.00		mg/L		100	80 - 120	0	20
Beryllium	1.00	0.993		mg/L		99	80 - 120	2	20
Cadmium	1.00	1.01		mg/L		101	80 - 120	0	20
Chromium	1.00	0.995		mg/L		99	80 - 120	1	20
Cobalt	1.00	1.02		mg/L		102	80 - 120	1	20
Copper	1.00	1.02		mg/L		102	80 - 120	1	20
Lead	1.00	1.02		mg/L		102	80 - 120	0	20
Nickel	1.00	1.00		mg/L		100	80 - 120	0	20
Selenium	1.00	1.03		mg/L		103	80 - 120	0	20
Silver	1.00	1.02		mg/L		102	80 - 120	1	20
Thallium	1.00	1.05		mg/L		105	80 - 120	0	20
Vanadium	1.00	1.00		mg/L		100	80 - 120	1	20
Zinc	1.00	1.06		mg/L		106	80 - 120	1	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-348937/7
Matrix: Water
Analysis Batch: 348937

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			02/01/21 10:11	1
Chloride	ND		1.5		mg/L			02/01/21 10:11	1
Sulfate	ND		1.5		mg/L			02/01/21 10:11	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-348937/8
Matrix: Water
Analysis Batch: 348937

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	5.29		mg/L		106	90 - 110		
Chloride			50.0	50.4		mg/L		101	90 - 110		
Sulfate			50.0	49.8		mg/L		100	90 - 110		

Lab Sample ID: LCSD 580-348937/9
Matrix: Water
Analysis Batch: 348937

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	5.17		mg/L		103	90 - 110	2	15
Chloride			50.0	54.6		mg/L		109	90 - 110	8	15
Sulfate			50.0	50.2		mg/L		100	90 - 110	1	15

Lab Sample ID: 580-100786-2 MS
Matrix: Water
Analysis Batch: 348937

Client Sample ID: 0121-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	0.71		5.00	5.42		mg/L		94	90 - 110		
Chloride	63	F1	50.0	97.5	F1	mg/L		70	90 - 110		
Sulfate	45	F1	50.0	92.2		mg/L		95	90 - 110		

Lab Sample ID: 580-100786-2 MSD
Matrix: Water
Analysis Batch: 348937

Client Sample ID: 0121-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.71		5.00	5.59		mg/L		97	90 - 110	3	15
Chloride	63	F1	50.0	111		mg/L		97	90 - 110	13	15
Sulfate	45	F1	50.0	88.7	F1	mg/L		88	90 - 110	4	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-348888/1-A
Matrix: Water
Analysis Batch: 349135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		01/30/21 16:32	02/03/21 13:12	1

Lab Sample ID: LCS 580-348888/2-A
Matrix: Water
Analysis Batch: 349135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348888

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	2.05		mg/L		102	90 - 110		

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 280-526403/22
Matrix: Water
Analysis Batch: 526403

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			02/15/21 17:15	1

Lab Sample ID: LCS 280-526403/21
Matrix: Water
Analysis Batch: 526403

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	5.00	5.02		mg/L		100	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-348946/2
Matrix: Water
Analysis Batch: 348946

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 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-348862/1
Matrix: Water
Analysis Batch: 348862

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			01/29/21 15:54	1

Lab Sample ID: LCS 580-348862/2
Matrix: Water
Analysis Batch: 348862

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	916		mg/L		92	80 - 120

Method: SM 5220D - COD

Lab Sample ID: MB 580-348887/3-A
Matrix: Water
Analysis Batch: 348889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348887

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		01/30/21 14:31	01/30/21 18:46	1

Lab Sample ID: LCS 580-348887/4-A
Matrix: Water
Analysis Batch: 348889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	69.6		mg/L		93	80 - 120

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-348887/5-A
Matrix: Water
Analysis Batch: 348889

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 348887

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	69.3		mg/L		92	80 - 120	1	20

Method: SM 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-349375/14
Matrix: Water
Analysis Batch: 349375

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			02/04/21 22:32	1

Lab Sample ID: LCS 580-349375/15
Matrix: Water
Analysis Batch: 349375

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			10.0	10.8		mg/L		108	85 - 115		

Lab Sample ID: LCSD 580-349375/16
Matrix: Water
Analysis Batch: 349375

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			10.0	10.7		mg/L		107	85 - 115	1	20

Lab Sample ID: 580-100786-1 MS
Matrix: Water
Analysis Batch: 349375

Client Sample ID: 0121-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	3.0		10.0	13.8		mg/L		108	85 - 115		

Lab Sample ID: 580-100786-1 MSD
Matrix: Water
Analysis Batch: 349375

Client Sample ID: 0121-11
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	3.0		10.0	13.5		mg/L		104	85 - 115	3	20

Lab Sample ID: 580-100786-1 DU
Matrix: Water
Analysis Batch: 349375

Client Sample ID: 0121-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	3.0			2.47	F5	mg/L				21	20

Lab Chronicle

Client: SCS Engineers
Job ID: 580-100786-1
Project/Site: Coupeville Solid Waste Facility

Client Sample ID: 0121-11
Lab Sample ID: 580-100786-1
Date Collected: 01/28/21 11:15
Matrix: Water
Date Received: 01/29/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349469	02/09/21 02:35	CJ	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	349508	02/09/21 22:27	K1G	TAL SEA
Dissolved	Prep	3005A			349426	02/08/21 12:41	JCP	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 21:24	TMH	TAL SEA
Total Recoverable	Prep	3005A			349340	02/05/21 13:17	C1H	TAL SEA
Total Recoverable	Analysis	6020B		1	349404	02/05/21 18:47	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348937	02/01/21 09:24	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			348888	01/30/21 16:41	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349135	02/03/21 13:12	AAC	TAL SEA
Total/NA	Analysis	353.2		1	526403	02/15/21 17:29	SVC	TAL DEN
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:20	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 16:17	HCC	TAL SEA
Total/NA	Prep	SM 5220			348887	01/30/21 14:31	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348889	01/30/21 18:46	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349375	02/04/21 23:19	R1K	TAL SEA

Client Sample ID: 0121-12
Lab Sample ID: 580-100786-2
Date Collected: 01/28/21 11:50
Matrix: Water
Date Received: 01/29/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	349469	02/09/21 03:00	CJ	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	349508	02/09/21 22:52	K1G	TAL SEA
Dissolved	Prep	3005A			349426	02/08/21 12:41	JCP	TAL SEA
Dissolved	Analysis	6010D		1	349494	02/08/21 21:39	TMH	TAL SEA
Total Recoverable	Prep	3005A			349340	02/05/21 13:17	C1H	TAL SEA
Total Recoverable	Analysis	6020B		1	349404	02/05/21 18:51	FCW	TAL SEA
Total/NA	Analysis	300.0		1	348937	02/01/21 09:35	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			348888	01/30/21 16:41	MLT	TAL SEA
Total/NA	Analysis	350.1		1	349135	02/03/21 13:12	AAC	TAL SEA
Total/NA	Analysis	353.2		1	526403	02/15/21 17:31	SVC	TAL DEN
Total/NA	Analysis	SM 2320B		1	348946	02/01/21 13:20	AAC	TAL SEA
Total/NA	Analysis	SM 2540C		1	348862	01/29/21 16:17	HCC	TAL SEA
Total/NA	Prep	SM 5220			348887	01/30/21 14:31	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	348889	01/30/21 18:46	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	349375	02/05/21 00:22	R1K	TAL SEA

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL SEA = Eurofins TestAmerica, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-100786-1
Project/Site: Coupeville Solid Waste Facility

Laboratory: Eurofins TestAmerica, Seattle

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C553	02-18-21

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
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2-Butanone
8260C LL		Water	2-Hexanone
8260C LL		Water	4-Methyl-2-pentanone
8260C LL		Water	Acetone
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Ethylbenzene
8260C LL		Water	m,p-Xylene
8260C LL		Water	Methyl iodide
8260C LL		Water	Methylene Chloride
8260C LL		Water	o-Xylene
8260C LL		Water	Styrene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene
8260C LL		Water	trans-1,2-Dichloroethene

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-100786-1
Project/Site: Coupeville Solid Waste Facility

Laboratory: Eurofins TestAmerica, Seattle (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C553	02-18-21
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	trans-1,4-Dichloro-2-butene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl acetate	
8260C LL	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 5310B	Water	Total Organic Carbon	

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-100786-1
Project/Site: Coupeville Solid Waste Facility

Laboratory: Eurofins TestAmerica, Denver

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	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21 *
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	09-30-20 *
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-21 *
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	12-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	02-28-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility

Job ID: 580-100786-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-100786-1	0121-11	Water	01/28/21 11:15	01/29/21 11:00	
580-100786-2	0121-12	Water	01/28/21 11:50	01/29/21 11:00	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☐ Rush
☐ Short Hold

Chain of Custody Record

Client	Client Contact	Date	Chain of Custody Number
SCS Engineers	Dan V. / Sam G.	1/28/21	40301
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
2405 140th Ave NE #107	425-766-3362		
City / **State** / **Zip Code**	**Sampler**	**Lab Contact**	
Bellevue / WA / 98005	Sam G.	Nate Lewis	
Project Name and Location (State)	**Billing Contact**		
Coupeville Solid Waste Facility	Dan V.		
Contract/Purchase Order/Quote No.			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	COD	Cl, Fl, SO4	2+N	Alk, Carb, bicarb	total metals	Dissolved metals	Ammonia	TOC	VOCs	TDS	Special Instructions/ Conditions of Receipt
0121-11	1/28/21	1115		X			2	3	2	3			X	X	X	X	X	X	X	X	X	X	* Hold trip
0121-12	↓	1150		↓			2	3	2	3			X	X	X	X	X	X	X	X	X	X	blank for analysis
trip blank *	↓	–		↓						2													

Therm. ID: A1 Cor: 2.2 ° Unc: 2.8 °
Cooler Dsc: LG
Packing: Bags
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

580-100786 Chain of Custody

Loc: 580
100786

Cooler	Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
☐ Yes ☐ No Cooler Temp: ___	☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown	☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months	

Turn Around Time Required (business days)
☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By Sign/Print: Sam Graber	1/29/21	1100	1. Received By Sign/Print: Joshua Sloan	1/29/21	1100
2. Relinquished By Sign/Print			2. Received By Sign/Print		
3. Relinquished By Sign/Print			3. Received By Sign/Print		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

Eurofins TestAmerica, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 253-922-5047

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-86821.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 580-100786-1
Address: 4955 Yarrow Street,	Due Date Requested: 2/11/2021			
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: Coupeville Solid Waste Facility	Project #: 58009563			
Site: Island County-CSWF-Q1 & Q3	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 - 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/ (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
0121-11 (580-100786-1)	1/28/21	11:15 Pacific		Water			X	1	
0121-12 (580-100786-2)	1/28/21	11:50 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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]	2-12-21	TASC2	[signature]	2/15/21 0850	ETADEN
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: ☒ Yes ☐ No | Custody Seal No.: 1625856

Cooler Temperature(s) °C and Other Remarks: 1.2 IR1/ CF [illegible] CF-0.3

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-100786-1

Login Number: 100786
List Number: 1
Creator: Hobbs, Kenneth F

List Source: Eurofins TestAmerica, 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: 580-100786-1

Login Number: 100786
List Number: 2
Creator: Rystrom, Joshua R

List Source: Eurofins TestAmerica, Denver
List Creation: 02/15/21 12:58 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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?	N/A	
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.	N/A	
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. 2021 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04207033.14	**Site Name**	Island County Coupeville SWF
Data Validator	Sam Graber	**Data Level**	Level 2
Date	7/8/21	**DV Tier**	Tier 1
QA Document	CSWF Groundwater Sampling, Analysis, and Quality Assurance Project Plan (Revised September 2007)		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
580-102552-1	Original report was revised with the corrected chloride result for sample 0421-28.	Eurofins TestAmerica, Seattle – Tacoma, WA
580-102586-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-102552-1	X	X	X	X	X	X
580-102586-1	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	An electrical issue at the lab resulted in select sample containers exceeding 6 degrees Celsius. Reanalysis of select VOCs for select samples were effected. See case narrative for additional details (580-102586-1).
Metals	Acceptable	See case narrative for additional details.
General Chemistry	Acceptable	Method 300.0: Re-analysis of sample 0421-14 was performed outside of the analytical holding time due to required dilution (580-102586-1).
VOA Prep	Acceptable	See case narrative for additional details.

Field Quality Assurance Samples

Field QA Samples	Sample Group	Analytes	Notes
Field Replicates	580-102552-1	N/A	See detailed results below.
Trip Blank	580-102586-1	N/A	No detections.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
E	Sample result (0421-05) exceeded calibration range for trichlorofluoromethane	580-102586-1
F1	MS and/or MSD Recovery is outside acceptance limits.	580-102552-1, 580-102586-1
H	Sample was prepped or analyzed beyond the specified holding time	580-102586-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-102552-1, 580-102586-1
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentrations; therefore, control limits are not applicable.	580-102552-1, 580-102586-1
*-	LCS or LCSD is outside acceptance limits, low biased.	580-102552-1, 580-102586-1
*1	LDCS/LCSD RPD exceeds control limits.	580-102552-1
*+	LCS and/or LCSD is outside acceptance limit, high biased	580-102586-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)	N3D	N3D (Dup)	RPD (%)
Alkalinity	mg/L	460	450	2.2	270	270	0.0
Arsenic	mg/L	0.0027	0.0028	3.6	0.0081	0.0075	7.7
Barium	mg/L	0.027	0.027	0.0	0.032	0.029	9.8
Bicarbonate	mg/L	460	450	2.2	270	270	0.0
Calcium	mg/L	110	110	0.0	74	73	1.4
Chloride	mg/L	70	82	15.8	50	43	15.1
Fluoride	mg/L	0.3	0.2 U	40.0	0.28	0.21	28.6
Magnesium	mg/L	70	73	4.2	27	27	0.0
Manganese	mg/L	0.02 U	0.02 U	0.0	0.03	0.03	0.0
Nickel	mg/L	0.004	0.0041	2.5	0.003 U	0.003 U	0.0

Analyte	Units	N2D	N2D (Dup)	RPD (%)	N3D	N3D (Dup)	RPD (%)
Nitrate/Nitrite, Total	mg/L	3.7	3.9	5.3	0.4 U	0.4 U	0.0
Potassium	mg/L	8.5	8.5	0.0	6.4	6.3	1.6
Sodium	mg/L	39	41	5.0	22	21	4.7
Sulfate	mg/L	69	80	14.8	28	29	3.5
Total Dissolved Solids	mg/L	560	600	6.9	320	310	3.2
Total Organic Carbon	mg/L	2	2.1	4.9	1	1 U	0.0
Trichlorofluoromethane	ug/L	0.5 U	0.56	11.3	0.5 U	0.5 U	0.0

* 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.

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-102552-1
Client Project/Site: Coupeville 2Q21
Revision: 1

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
7/16/2021 1:46:16 PM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 5
Client Sample Results 6
QC Sample Results 48
Chronicle 71
Certification Summary 80
Sample Summary 82
Chain of Custody 83
Receipt Checklists 87

Job ID: 580-102552-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative
580-102552-1

Comments
This report has been revised to correct the chloride result for sample 0421-28 (580-102552-20).

Receipt
The samples were received on 4/20/2021 11:36 AM. 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 0.6º C, 2.2º C, 3.3º C, 3.4º C and 4.5º C.

GC/MS VOA
Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-355611 recovered outside control limits for the following analyte(s): 2-Butanone. 2-Butanone has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-355283 recovered outside control limits for the following analytes: 1,4-Dichlorobenzene, 1,2-Dichlorobenzene and Bromoform.

Method 8260C LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-355611 recovered outside control limits for the following analytes: Carbon tetrachloride, 1,2-Dichloroethane, Styrene, Dibromomethane, 1,1,2-Trichloroethane, 1,1,1-Trichloroethane, Bromoform, 1,1-Dichloroethane, Vinyl chloride, 2-Butanone, Chloromethane, Trichlorofluoromethane, Bromomethane and Chloroethane.

Method 8260C LL: The CCVIS for analytical batch 580-355301 recovered outside control limits for the following analyte(s): trans-1,4-Dichloro-2-butene, Acrylonitrile, Carbon disulfide and Vinyl acetate. trans-1,4-Dichloro-2-butene, Acrylonitrile, Carbon disulfide and Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260C LL: The CCV for analytical batch 580-355611 recovered outside control limits for the following analyte(s): 2-Butanone (MEK). 2-Butanone (MEK) has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260C LL: The continuing calibration verification (CCV) associated with batch 580-355283 recovered above the upper control limit for Acrylonitrile (20.2%D) and 2-Hexanone (22.9%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 580-355283/3).

Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-355283 was outside criteria for the following analyte(s): 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-355301 was outside criteria for the following analyte(s): 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-355611 was outside criteria for the following analyte(s): 1,1-Dichloroethene, Acetone, 2-Butanone, Chloroethane and trans-1,2-Dichloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-355362 was outside criteria for the following analyte: 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated.

Method 8260C LL: The CCV for analytical batch 580-355362 recovered outside control limits for the following analyte(s): 2-Butanone

Job ID: 580-102552-1 (Continued)

Laboratory: Eurofins FGS, Seattle (Continued)

(MEK). 2-Butanone (MEK) has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

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

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

General Chemistry
Method 350.1: The matrix spike (MS) recovery for preparation batch 580-354794 and analytical batch 580-354827 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: Reanalysis of the following sample was performed outside of the analytical holding time due to dilution: 0421-16 (580-102552-11).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-354914 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 5310B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-529992 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
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.

General Chemistry

Qualifier	Qualifier Description
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 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-27
Date Collected: 04/19/21 10:43
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-1
Matrix: Water

Method: 8260C LL - 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			04/28/21 19:44	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 19:44	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 19:44	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 19:44	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 19:44	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 19:44	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 19:44	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 19:44	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 19:44	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 19:44	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 19:44	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 19:44	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 19:44	1
2-Butanone	ND		10		ug/L			04/28/21 19:44	1
2-Hexanone	ND		3.0		ug/L			04/28/21 19:44	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 19:44	1
Acetone	ND		10		ug/L			04/28/21 19:44	1
Acrylonitrile	ND		10		ug/L			04/28/21 19:44	1
Benzene	ND		0.20		ug/L			04/28/21 19:44	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 19:44	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 19:44	1
Bromoform	ND		0.50		ug/L			04/28/21 19:44	1
Bromomethane	ND		0.50		ug/L			04/28/21 19:44	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 19:44	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 19:44	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 19:44	1
Chloroethane	ND		0.50		ug/L			04/28/21 19:44	1
Chloroform	ND		0.20		ug/L			04/28/21 19:44	1
Chloromethane	ND		0.50		ug/L			04/28/21 19:44	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 19:44	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 19:44	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 19:44	1
Dibromomethane	ND		0.20		ug/L			04/28/21 19:44	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 19:44	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 19:44	1
Methyl iodide	ND		0.50		ug/L			04/28/21 19:44	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 19:44	1
o-Xylene	ND		0.50		ug/L			04/28/21 19:44	1
Styrene	ND		1.0		ug/L			04/28/21 19:44	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 19:44	1
Toluene	ND		0.20		ug/L			04/28/21 19:44	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 19:44	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 19:44	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 19:44	1
Trichloroethene	ND		0.20		ug/L			04/28/21 19:44	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 19:44	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 19:44	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 19:44	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-27
Date Collected: 04/19/21 10:43
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*04/28/21 19:44*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/28/21 19:44*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*04/28/21 19:44*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/21 19:44*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		04/29/21 09:48	04/29/21 19:44	1
Iron	**0.90**		0.30		mg/L		04/29/21 09:48	04/29/21 19:44	1
Magnesium	**59**		0.50		mg/L		04/29/21 09:48	04/29/21 19:44	1
Manganese	**0.080**		0.020		mg/L		04/29/21 09:48	04/29/21 19:44	1
Potassium	**7.7**		3.3		mg/L		04/29/21 09:48	04/29/21 19:44	1
Sodium	**31**		0.50		mg/L		04/29/21 09:48	04/29/21 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0059**		0.0010		mg/L		04/26/21 16:41	04/29/21 02:02	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:02	1
Barium	**0.046**		0.0012		mg/L		04/26/21 16:41	04/29/21 02:02	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:02	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:02	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:02	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:02	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 02:02	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:02	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 02:02	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 02:02	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:02	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 02:02	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 02:02	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 02:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.30**		0.20		mg/L			04/21/21 10:29	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 10:29	1
Chloride	**69**		1.5		mg/L			04/21/21 10:29	1
Sulfate	**47**		1.5		mg/L			04/21/21 10:29	1
Ammonia	ND	F1	0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**6.6**	**F1**	1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**420**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**420**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**460**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-26
Date Collected: 04/19/21 11:45
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-2
Matrix: Water

Method: 8260C LL - 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			04/28/21 20:09	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 20:09	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 20:09	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 20:09	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 20:09	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 20:09	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 20:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 20:09	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 20:09	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 20:09	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 20:09	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 20:09	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 20:09	1
2-Butanone	ND		10		ug/L			04/28/21 20:09	1
2-Hexanone	ND		3.0		ug/L			04/28/21 20:09	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 20:09	1
Acetone	ND		10		ug/L			04/28/21 20:09	1
Acrylonitrile	ND		10		ug/L			04/28/21 20:09	1
Benzene	ND		0.20		ug/L			04/28/21 20:09	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 20:09	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 20:09	1
Bromoform	ND		0.50		ug/L			04/28/21 20:09	1
Bromomethane	ND		0.50		ug/L			04/28/21 20:09	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 20:09	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 20:09	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 20:09	1
Chloroethane	ND		0.50		ug/L			04/28/21 20:09	1
Chloroform	ND		0.20		ug/L			04/28/21 20:09	1
Chloromethane	ND		0.50		ug/L			04/28/21 20:09	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 20:09	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 20:09	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 20:09	1
Dibromomethane	ND		0.20		ug/L			04/28/21 20:09	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 20:09	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 20:09	1
Methyl iodide	ND		0.50		ug/L			04/28/21 20:09	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 20:09	1
o-Xylene	ND		0.50		ug/L			04/28/21 20:09	1
Styrene	ND		1.0		ug/L			04/28/21 20:09	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 20:09	1
Toluene	ND		0.20		ug/L			04/28/21 20:09	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 20:09	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 20:09	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 20:09	1
Trichloroethene	ND		0.20		ug/L			04/28/21 20:09	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 20:09	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 20:09	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 20:09	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-26
Date Collected: 04/19/21 11:45
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*04/28/21 20:09*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*04/28/21 20:09*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 20:09*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/21 20:09*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**32**		0.50		mg/L		04/29/21 09:48	04/29/21 20:13	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:13	1
Magnesium	**36**		0.50		mg/L		04/29/21 09:48	04/29/21 20:13	1
Manganese	**0.042**		0.020		mg/L		04/29/21 09:48	04/29/21 20:13	1
Potassium	**16**		3.3		mg/L		04/29/21 09:48	04/29/21 20:13	1
Sodium	**16**		0.50		mg/L		04/29/21 09:48	04/29/21 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.022**		0.0010		mg/L		04/26/21 16:41	04/29/21 02:44	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:44	1
Barium	**0.027**		0.0012		mg/L		04/26/21 16:41	04/29/21 02:44	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:44	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:44	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:44	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:44	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 02:44	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:44	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 02:44	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 02:44	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:44	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 02:44	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 02:44	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 02:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.45**		0.20		mg/L			04/21/21 10:53	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 10:53	1
Chloride	**46**		1.5		mg/L			04/21/21 10:53	1
Sulfate	**22**		1.5		mg/L			04/21/21 10:53	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.5**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**190**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**190**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**240**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-08
Date Collected: 04/19/21 13:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-3
Matrix: Water

Method: 8260C LL - 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			04/28/21 20:33	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 20:33	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 20:33	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 20:33	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 20:33	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 20:33	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 20:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 20:33	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 20:33	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 20:33	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 20:33	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 20:33	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 20:33	1
2-Butanone	ND		10		ug/L			04/28/21 20:33	1
2-Hexanone	ND		3.0		ug/L			04/28/21 20:33	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 20:33	1
Acetone	ND		10		ug/L			04/28/21 20:33	1
Acrylonitrile	ND		10		ug/L			04/28/21 20:33	1
Benzene	ND		0.20		ug/L			04/28/21 20:33	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 20:33	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 20:33	1
Bromoform	ND		0.50		ug/L			04/28/21 20:33	1
Bromomethane	ND		0.50		ug/L			04/28/21 20:33	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 20:33	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 20:33	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 20:33	1
Chloroethane	ND		0.50		ug/L			04/28/21 20:33	1
Chloroform	ND		0.20		ug/L			04/28/21 20:33	1
Chloromethane	ND		0.50		ug/L			04/28/21 20:33	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 20:33	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 20:33	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 20:33	1
Dibromomethane	ND		0.20		ug/L			04/28/21 20:33	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 20:33	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 20:33	1
Methyl iodide	ND		0.50		ug/L			04/28/21 20:33	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 20:33	1
o-Xylene	ND		0.50		ug/L			04/28/21 20:33	1
Styrene	ND		1.0		ug/L			04/28/21 20:33	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 20:33	1
Toluene	ND		0.20		ug/L			04/28/21 20:33	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 20:33	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 20:33	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 20:33	1
Trichloroethene	ND		0.20		ug/L			04/28/21 20:33	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 20:33	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 20:33	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 20:33	1

Client Sample ID: 0421-08
Date Collected: 04/19/21 13:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*04/28/21 20:33*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/28/21 20:33*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*04/28/21 20:33*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/28/21 20:33*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**41**		0.50		mg/L		04/29/21 09:48	04/29/21 20:16	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:16	1
Magnesium	**29**		0.50		mg/L		04/29/21 09:48	04/29/21 20:16	1
Manganese	**0.067**		0.020		mg/L		04/29/21 09:48	04/29/21 20:16	1
Potassium	**11**		3.3		mg/L		04/29/21 09:48	04/29/21 20:16	1
Sodium	**28**		0.50		mg/L		04/29/21 09:48	04/29/21 20:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.017**		0.0010		mg/L		04/26/21 16:41	04/29/21 02:48	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:48	1
Barium	**0.039**		0.0012		mg/L		04/26/21 16:41	04/29/21 02:48	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:48	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:48	1
Chromium	**0.00088**		0.00080		mg/L		04/26/21 16:41	04/29/21 02:48	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:48	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 02:48	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:48	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 02:48	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 02:48	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:48	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 02:48	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 02:48	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 02:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.56**		0.20		mg/L			04/21/21 11:16	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 11:16	1
Chloride	**36**		1.5		mg/L			04/21/21 11:16	1
Sulfate	**16**		1.5		mg/L			04/21/21 11:16	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**2.7**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**210**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**210**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**260**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-07
Date Collected: 04/19/21 14:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-4
Matrix: Water

Method: 8260C LL - 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			04/28/21 20:58	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 20:58	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 20:58	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 20:58	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 20:58	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 20:58	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 20:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 20:58	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 20:58	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 20:58	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 20:58	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 20:58	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 20:58	1
2-Butanone	ND		10		ug/L			04/28/21 20:58	1
2-Hexanone	ND		3.0		ug/L			04/28/21 20:58	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 20:58	1
Acetone	ND		10		ug/L			04/28/21 20:58	1
Acrylonitrile	ND		10		ug/L			04/28/21 20:58	1
Benzene	ND		0.20		ug/L			04/28/21 20:58	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 20:58	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 20:58	1
Bromoform	ND		0.50		ug/L			04/28/21 20:58	1
Bromomethane	ND		0.50		ug/L			04/28/21 20:58	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 20:58	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 20:58	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 20:58	1
Chloroethane	ND		0.50		ug/L			04/28/21 20:58	1
Chloroform	ND		0.20		ug/L			04/28/21 20:58	1
Chloromethane	ND		0.50		ug/L			04/28/21 20:58	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 20:58	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 20:58	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 20:58	1
Dibromomethane	ND		0.20		ug/L			04/28/21 20:58	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 20:58	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 20:58	1
Methyl iodide	ND		0.50		ug/L			04/28/21 20:58	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 20:58	1
o-Xylene	ND		0.50		ug/L			04/28/21 20:58	1
Styrene	ND		1.0		ug/L			04/28/21 20:58	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 20:58	1
Toluene	ND		0.20		ug/L			04/28/21 20:58	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 20:58	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 20:58	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 20:58	1
Trichloroethene	ND		0.20		ug/L			04/28/21 20:58	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 20:58	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 20:58	1
Vinyl chloride	**0.16**		0.020		ug/L			04/28/21 20:58	1

Client Sample ID: 0421-07
Date Collected: 04/19/21 14:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*04/28/21 20:58*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/28/21 20:58*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 20:58*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/21 20:58*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		0.50		mg/L		04/29/21 09:48	04/29/21 20:20	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:20	1
Magnesium	**58**		0.50		mg/L		04/29/21 09:48	04/29/21 20:20	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 20:20	1
Potassium	**6.8**		3.3		mg/L		04/29/21 09:48	04/29/21 20:20	1
Sodium	**31**		0.50		mg/L		04/29/21 09:48	04/29/21 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0026**		0.0010		mg/L		04/26/21 16:41	04/29/21 02:52	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:52	1
Barium	**0.051**		0.0012		mg/L		04/26/21 16:41	04/29/21 02:52	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:52	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:52	1
Chromium	**0.0055**		0.00080		mg/L		04/26/21 16:41	04/29/21 02:52	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:52	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 02:52	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:52	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 02:52	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 02:52	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:52	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 02:52	1
Vanadium	**0.0061**		0.0040		mg/L		04/26/21 16:41	04/29/21 02:52	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 02:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.24**		0.20		mg/L			04/21/21 11:28	1
Nitrate Nitrite as N	**5.3**		0.40		mg/L			04/21/21 11:28	1
Chloride	**33**		1.5		mg/L			04/21/21 11:28	1
Sulfate	**42**		1.5		mg/L			04/21/21 11:28	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	ND		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**550**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**550**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**530**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-03
Date Collected: 04/19/21 15:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-5
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/29/21 21:44	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/29/21 21:44	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/29/21 21:44	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/29/21 21:44	1
1,1-Dichloroethane	ND		0.20		ug/L			04/29/21 21:44	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/29/21 21:44	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/29/21 21:44	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/29/21 21:44	1
1,2-Dibromoethane	ND		0.10		ug/L			04/29/21 21:44	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/29/21 21:44	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/29/21 21:44	1
1,2-Dichloropropane	ND		0.20		ug/L			04/29/21 21:44	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/29/21 21:44	1
2-Butanone	ND	*- *1	10		ug/L			04/29/21 21:44	1
2-Hexanone	ND		3.0		ug/L			04/29/21 21:44	1
4-Methyl-2-pentanone	ND		10		ug/L			04/29/21 21:44	1
Acetone	ND		10		ug/L			04/29/21 21:44	1
Acrylonitrile	ND		10		ug/L			04/29/21 21:44	1
Benzene	ND		0.20		ug/L			04/29/21 21:44	1
Bromochloromethane	ND		0.20		ug/L			04/29/21 21:44	1
Bromodichloromethane	ND		0.20		ug/L			04/29/21 21:44	1
Bromoform	ND	*1	0.50		ug/L			04/29/21 21:44	1
Bromomethane	ND	*1	0.50		ug/L			04/29/21 21:44	1
Carbon disulfide	ND		0.30		ug/L			04/29/21 21:44	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/29/21 21:44	1
Chlorobenzene	ND		0.20		ug/L			04/29/21 21:44	1
Chloroethane	ND	*1	0.50		ug/L			04/29/21 21:44	1
Chloroform	ND		0.20		ug/L			04/29/21 21:44	1
Chloromethane	ND	*1	0.50		ug/L			04/29/21 21:44	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 21:44	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 21:44	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/29/21 21:44	1
Dibromomethane	ND	*1	0.20		ug/L			04/29/21 21:44	1
Ethylbenzene	ND		0.20		ug/L			04/29/21 21:44	1
m,p-Xylene	ND		0.50		ug/L			04/29/21 21:44	1
Methyl iodide	ND		0.50		ug/L			04/29/21 21:44	1
Methylene Chloride	ND		5.0		ug/L			04/29/21 21:44	1
o-Xylene	ND		0.50		ug/L			04/29/21 21:44	1
Styrene	ND	*1	1.0		ug/L			04/29/21 21:44	1
Tetrachloroethene	ND		0.50		ug/L			04/29/21 21:44	1
Toluene	ND		0.20		ug/L			04/29/21 21:44	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 21:44	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 21:44	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 21:44	1
Trichloroethene	ND		0.20		ug/L			04/29/21 21:44	1
Trichlorofluoromethane	ND	*1	0.50		ug/L			04/29/21 21:44	1
Vinyl acetate	ND		2.0		ug/L			04/29/21 21:44	1
Vinyl chloride	ND	*1	0.020		ug/L			04/29/21 21:44	1

Client Sample ID: 0421-03
Date Collected: 04/19/21 15:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*04/29/21 21:44*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*04/29/21 21:44*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*04/29/21 21:44*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/29/21 21:44*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**170**		0.50		mg/L		04/29/21 09:48	04/29/21 20:23	1
Iron	**1.8**		0.30		mg/L		04/29/21 09:48	04/29/21 20:23	1
Magnesium	**75**		0.50		mg/L		04/29/21 09:48	04/29/21 20:23	1
Manganese	**0.27**		0.020		mg/L		04/29/21 09:48	04/29/21 20:23	1
Potassium	**8.2**		3.3		mg/L		04/29/21 09:48	04/29/21 20:23	1
Sodium	**34**		0.50		mg/L		04/29/21 09:48	04/29/21 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0059**		0.0010		mg/L		04/26/21 16:41	04/29/21 02:56	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:56	1
Barium	**0.079**		0.0012		mg/L		04/26/21 16:41	04/29/21 02:56	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:56	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:56	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:56	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:56	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 02:56	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:56	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 02:56	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 02:56	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:56	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 02:56	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 02:56	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 02:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.22**		0.20		mg/L			04/21/21 11:51	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 11:51	1
Chloride	**29**		1.5		mg/L			04/21/21 11:51	1
Sulfate	**32**		1.5		mg/L			04/21/21 11:51	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.4**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**660**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**660**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**700**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-06
Date Collected: 04/19/21 16:10
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-6
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/29/21 22:09	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/29/21 22:09	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/29/21 22:09	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/29/21 22:09	1
1,1-Dichloroethane	ND		0.20		ug/L			04/29/21 22:09	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/29/21 22:09	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/29/21 22:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/29/21 22:09	1
1,2-Dibromoethane	ND		0.10		ug/L			04/29/21 22:09	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/29/21 22:09	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/29/21 22:09	1
1,2-Dichloropropane	ND		0.20		ug/L			04/29/21 22:09	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/29/21 22:09	1
2-Butanone	ND	*- *1	10		ug/L			04/29/21 22:09	1
2-Hexanone	ND		3.0		ug/L			04/29/21 22:09	1
4-Methyl-2-pentanone	ND		10		ug/L			04/29/21 22:09	1
Acetone	ND		10		ug/L			04/29/21 22:09	1
Acrylonitrile	ND		10		ug/L			04/29/21 22:09	1
Benzene	ND		0.20		ug/L			04/29/21 22:09	1
Bromochloromethane	ND		0.20		ug/L			04/29/21 22:09	1
Bromodichloromethane	ND		0.20		ug/L			04/29/21 22:09	1
Bromoform	ND	*1	0.50		ug/L			04/29/21 22:09	1
Bromomethane	ND	*1	0.50		ug/L			04/29/21 22:09	1
Carbon disulfide	ND		0.30		ug/L			04/29/21 22:09	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/29/21 22:09	1
Chlorobenzene	ND		0.20		ug/L			04/29/21 22:09	1
Chloroethane	ND	*1	0.50		ug/L			04/29/21 22:09	1
Chloroform	ND		0.20		ug/L			04/29/21 22:09	1
Chloromethane	ND	*1	0.50		ug/L			04/29/21 22:09	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 22:09	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 22:09	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/29/21 22:09	1
Dibromomethane	ND	*1	0.20		ug/L			04/29/21 22:09	1
Ethylbenzene	ND		0.20		ug/L			04/29/21 22:09	1
m,p-Xylene	ND		0.50		ug/L			04/29/21 22:09	1
Methyl iodide	ND		0.50		ug/L			04/29/21 22:09	1
Methylene Chloride	ND		5.0		ug/L			04/29/21 22:09	1
o-Xylene	ND		0.50		ug/L			04/29/21 22:09	1
Styrene	ND	*1	1.0		ug/L			04/29/21 22:09	1
Tetrachloroethene	ND		0.50		ug/L			04/29/21 22:09	1
Toluene	ND		0.20		ug/L			04/29/21 22:09	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 22:09	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 22:09	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 22:09	1
Trichloroethene	ND		0.20		ug/L			04/29/21 22:09	1
Trichlorofluoromethane	ND	*1	0.50		ug/L			04/29/21 22:09	1
Vinyl acetate	ND		2.0		ug/L			04/29/21 22:09	1
Vinyl chloride	ND	*1	0.020		ug/L			04/29/21 22:09	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-06
Date Collected: 04/19/21 16:10
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 120*		*04/29/21 22:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*04/29/21 22:09*	*1*
Dibromofluoromethane (Surr)	*115*		*80 - 120*		*04/29/21 22:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/29/21 22:09*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**52**		0.50		mg/L		04/29/21 09:48	04/29/21 20:26	1
Iron	**1.2**		0.30		mg/L		04/29/21 09:48	04/29/21 20:26	1
Magnesium	**28**		0.50		mg/L		04/29/21 09:48	04/29/21 20:26	1
Manganese	**0.30**		0.020		mg/L		04/29/21 09:48	04/29/21 20:26	1
Potassium	**5.6**		3.3		mg/L		04/29/21 09:48	04/29/21 20:26	1
Sodium	**24**		0.50		mg/L		04/29/21 09:48	04/29/21 20:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0048**		0.0010		mg/L		04/26/21 16:41	04/29/21 02:59	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:59	1
Barium	**0.073**		0.0012		mg/L		04/26/21 16:41	04/29/21 02:59	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:59	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:59	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 02:59	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:59	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 02:59	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:59	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 02:59	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 02:59	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 02:59	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 02:59	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 02:59	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 02:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.50**		0.20		mg/L			04/21/21 13:02	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 13:02	1
Chloride	**17**		1.5		mg/L			04/21/21 13:02	1
Sulfate	**27**		1.5		mg/L			04/21/21 13:02	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.1**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**240**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**240**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**180**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-01
Date Collected: 04/19/21 17:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-7
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/29/21 22:34	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/29/21 22:34	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/29/21 22:34	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/29/21 22:34	1
1,1-Dichloroethane	ND		0.20		ug/L			04/29/21 22:34	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/29/21 22:34	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/29/21 22:34	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/29/21 22:34	1
1,2-Dibromoethane	ND		0.10		ug/L			04/29/21 22:34	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/29/21 22:34	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/29/21 22:34	1
1,2-Dichloropropane	ND		0.20		ug/L			04/29/21 22:34	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/29/21 22:34	1
2-Butanone	ND	*- *1	10		ug/L			04/29/21 22:34	1
2-Hexanone	ND		3.0		ug/L			04/29/21 22:34	1
4-Methyl-2-pentanone	ND		10		ug/L			04/29/21 22:34	1
Acetone	ND		10		ug/L			04/29/21 22:34	1
Acrylonitrile	ND		10		ug/L			04/29/21 22:34	1
Benzene	ND		0.20		ug/L			04/29/21 22:34	1
Bromochloromethane	ND		0.20		ug/L			04/29/21 22:34	1
Bromodichloromethane	ND		0.20		ug/L			04/29/21 22:34	1
Bromoform	ND	*1	0.50		ug/L			04/29/21 22:34	1
Bromomethane	ND	*1	0.50		ug/L			04/29/21 22:34	1
Carbon disulfide	ND		0.30		ug/L			04/29/21 22:34	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/29/21 22:34	1
Chlorobenzene	ND		0.20		ug/L			04/29/21 22:34	1
Chloroethane	ND	*1	0.50		ug/L			04/29/21 22:34	1
Chloroform	ND		0.20		ug/L			04/29/21 22:34	1
Chloromethane	ND	*1	0.50		ug/L			04/29/21 22:34	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 22:34	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 22:34	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/29/21 22:34	1
Dibromomethane	ND	*1	0.20		ug/L			04/29/21 22:34	1
Ethylbenzene	ND		0.20		ug/L			04/29/21 22:34	1
m,p-Xylene	ND		0.50		ug/L			04/29/21 22:34	1
Methyl iodide	ND		0.50		ug/L			04/29/21 22:34	1
Methylene Chloride	ND		5.0		ug/L			04/29/21 22:34	1
o-Xylene	ND		0.50		ug/L			04/29/21 22:34	1
Styrene	ND	*1	1.0		ug/L			04/29/21 22:34	1
Tetrachloroethene	ND		0.50		ug/L			04/29/21 22:34	1
Toluene	ND		0.20		ug/L			04/29/21 22:34	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 22:34	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 22:34	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 22:34	1
Trichloroethene	ND		0.20		ug/L			04/29/21 22:34	1
Trichlorofluoromethane	ND	*1	0.50		ug/L			04/29/21 22:34	1
Vinyl acetate	ND		2.0		ug/L			04/29/21 22:34	1
Vinyl chloride	ND	*1	0.020		ug/L			04/29/21 22:34	1

Client Sample ID: 0421-01

Date Collected: 04/19/21 17:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*04/29/21 22:34*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*04/29/21 22:34*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*04/29/21 22:34*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/29/21 22:34*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**67**		0.50		mg/L		04/29/21 09:48	04/29/21 20:29	1
Iron	**0.71**		0.30		mg/L		04/29/21 09:48	04/29/21 20:29	1
Magnesium	**44**		0.50		mg/L		04/29/21 09:48	04/29/21 20:29	1
Manganese	**0.16**		0.020		mg/L		04/29/21 09:48	04/29/21 20:29	1
Potassium	**6.9**		3.3		mg/L		04/29/21 09:48	04/29/21 20:29	1
Sodium	**26**		0.50		mg/L		04/29/21 09:48	04/29/21 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0062**		0.0010		mg/L		04/26/21 16:41	04/29/21 03:03	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:03	1
Barium	**0.029**		0.0012		mg/L		04/26/21 16:41	04/29/21 03:03	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:03	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:03	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:03	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:03	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 03:03	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:03	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 03:03	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 03:03	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:03	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 03:03	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 03:03	1
Zinc	**0.17**		0.0070		mg/L		04/26/21 16:41	04/29/21 03:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.61**		0.20		mg/L			04/21/21 13:13	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 13:13	1
Chloride	**27**		1.5		mg/L			04/21/21 13:13	1
Sulfate	**27**		1.5		mg/L			04/21/21 13:13	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.2**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**330**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**330**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**360**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-15
Date Collected: 04/19/21 17:45
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-8
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/29/21 22:58	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/29/21 22:58	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/29/21 22:58	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/29/21 22:58	1
1,1-Dichloroethane	ND		0.20		ug/L			04/29/21 22:58	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/29/21 22:58	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/29/21 22:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/29/21 22:58	1
1,2-Dibromoethane	ND		0.10		ug/L			04/29/21 22:58	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/29/21 22:58	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/29/21 22:58	1
1,2-Dichloropropane	ND		0.20		ug/L			04/29/21 22:58	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/29/21 22:58	1
2-Butanone	ND	*- *1	10		ug/L			04/29/21 22:58	1
2-Hexanone	ND		3.0		ug/L			04/29/21 22:58	1
4-Methyl-2-pentanone	ND		10		ug/L			04/29/21 22:58	1
Acetone	ND		10		ug/L			04/29/21 22:58	1
Acrylonitrile	ND		10		ug/L			04/29/21 22:58	1
Benzene	ND		0.20		ug/L			04/29/21 22:58	1
Bromochloromethane	ND		0.20		ug/L			04/29/21 22:58	1
Bromodichloromethane	ND		0.20		ug/L			04/29/21 22:58	1
Bromoform	ND	*1	0.50		ug/L			04/29/21 22:58	1
Bromomethane	ND	*1	0.50		ug/L			04/29/21 22:58	1
Carbon disulfide	ND		0.30		ug/L			04/29/21 22:58	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/29/21 22:58	1
Chlorobenzene	ND		0.20		ug/L			04/29/21 22:58	1
Chloroethane	ND	*1	0.50		ug/L			04/29/21 22:58	1
Chloroform	ND		0.20		ug/L			04/29/21 22:58	1
Chloromethane	ND	*1	0.50		ug/L			04/29/21 22:58	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 22:58	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 22:58	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/29/21 22:58	1
Dibromomethane	ND	*1	0.20		ug/L			04/29/21 22:58	1
Ethylbenzene	ND		0.20		ug/L			04/29/21 22:58	1
m,p-Xylene	ND		0.50		ug/L			04/29/21 22:58	1
Methyl iodide	ND		0.50		ug/L			04/29/21 22:58	1
Methylene Chloride	ND		5.0		ug/L			04/29/21 22:58	1
o-Xylene	ND		0.50		ug/L			04/29/21 22:58	1
Styrene	ND	*1	1.0		ug/L			04/29/21 22:58	1
Tetrachloroethene	ND		0.50		ug/L			04/29/21 22:58	1
Toluene	ND		0.20		ug/L			04/29/21 22:58	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 22:58	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 22:58	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 22:58	1
Trichloroethene	ND		0.20		ug/L			04/29/21 22:58	1
Trichlorofluoromethane	ND	*1	0.50		ug/L			04/29/21 22:58	1
Vinyl acetate	ND		2.0		ug/L			04/29/21 22:58	1
Vinyl chloride	ND	*1	0.020		ug/L			04/29/21 22:58	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-15
Date Collected: 04/19/21 17:45
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 120*		*04/29/21 22:58*	*1*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*04/29/21 22:58*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*04/29/21 22:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/29/21 22:58*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**84**		0.50		mg/L		04/29/21 09:48	04/29/21 20:33	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:33	1
Magnesium	**47**		0.50		mg/L		04/29/21 09:48	04/29/21 20:33	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 20:33	1
Potassium	**5.8**		3.3		mg/L		04/29/21 09:48	04/29/21 20:33	1
Sodium	**30**		0.50		mg/L		04/29/21 09:48	04/29/21 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0036**		0.0010		mg/L		04/26/21 16:41	04/29/21 03:07	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:07	1
Barium	**0.022**		0.0012		mg/L		04/26/21 16:41	04/29/21 03:07	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:07	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:07	1
Chromium	**0.0026**		0.00080		mg/L		04/26/21 16:41	04/29/21 03:07	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:07	1
Copper	**0.0044**		0.0020		mg/L		04/26/21 16:41	04/29/21 03:07	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:07	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 03:07	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 03:07	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:07	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 03:07	1
Vanadium	**0.0065**		0.0040		mg/L		04/26/21 16:41	04/29/21 03:07	1
Zinc	**0.0075**		0.0070		mg/L		04/26/21 16:41	04/29/21 03:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			04/21/21 13:37	1
Nitrate Nitrite as N	**0.54**		0.40		mg/L			04/21/21 13:37	1
Chloride	**73**		1.5		mg/L			04/21/21 13:37	1
Sulfate	**71**		1.5		mg/L			04/21/21 13:37	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**2.0**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**290**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**290**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**310**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-10
Date Collected: 04/19/21 11:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-9
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/29/21 23:23	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/29/21 23:23	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/29/21 23:23	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/29/21 23:23	1
1,1-Dichloroethane	ND		0.20		ug/L			04/29/21 23:23	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/29/21 23:23	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/29/21 23:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/29/21 23:23	1
1,2-Dibromoethane	ND		0.10		ug/L			04/29/21 23:23	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/29/21 23:23	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/29/21 23:23	1
1,2-Dichloropropane	ND		0.20		ug/L			04/29/21 23:23	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/29/21 23:23	1
2-Butanone	ND	*- *1	10		ug/L			04/29/21 23:23	1
2-Hexanone	ND		3.0		ug/L			04/29/21 23:23	1
4-Methyl-2-pentanone	ND		10		ug/L			04/29/21 23:23	1
Acetone	ND		10		ug/L			04/29/21 23:23	1
Acrylonitrile	ND		10		ug/L			04/29/21 23:23	1
Benzene	ND		0.20		ug/L			04/29/21 23:23	1
Bromochloromethane	ND		0.20		ug/L			04/29/21 23:23	1
Bromodichloromethane	ND		0.20		ug/L			04/29/21 23:23	1
Bromoform	ND	*1	0.50		ug/L			04/29/21 23:23	1
Bromomethane	ND	*1	0.50		ug/L			04/29/21 23:23	1
Carbon disulfide	ND		0.30		ug/L			04/29/21 23:23	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/29/21 23:23	1
Chlorobenzene	ND		0.20		ug/L			04/29/21 23:23	1
Chloroethane	ND	*1	0.50		ug/L			04/29/21 23:23	1
Chloroform	ND		0.20		ug/L			04/29/21 23:23	1
Chloromethane	ND	*1	0.50		ug/L			04/29/21 23:23	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 23:23	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 23:23	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/29/21 23:23	1
Dibromomethane	ND	*1	0.20		ug/L			04/29/21 23:23	1
Ethylbenzene	ND		0.20		ug/L			04/29/21 23:23	1
m,p-Xylene	ND		0.50		ug/L			04/29/21 23:23	1
Methyl iodide	ND		0.50		ug/L			04/29/21 23:23	1
Methylene Chloride	ND		5.0		ug/L			04/29/21 23:23	1
o-Xylene	ND		0.50		ug/L			04/29/21 23:23	1
Styrene	ND	*1	1.0		ug/L			04/29/21 23:23	1
Tetrachloroethene	ND		0.50		ug/L			04/29/21 23:23	1
Toluene	ND		0.20		ug/L			04/29/21 23:23	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 23:23	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 23:23	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 23:23	1
Trichloroethene	ND		0.20		ug/L			04/29/21 23:23	1
Trichlorofluoromethane	ND	*1	0.50		ug/L			04/29/21 23:23	1
Vinyl acetate	ND		2.0		ug/L			04/29/21 23:23	1
Vinyl chloride	ND	*1	0.020		ug/L			04/29/21 23:23	1

Client Sample ID: 0421-10
Date Collected: 04/19/21 11:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-9
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 120*		*04/29/21 23:23*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*04/29/21 23:23*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*04/29/21 23:23*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/29/21 23:23*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**62**		0.50		mg/L		04/29/21 09:48	04/29/21 20:36	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:36	1
Magnesium	**36**		0.50		mg/L		04/29/21 09:48	04/29/21 20:36	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 20:36	1
Potassium	**6.4**		3.3		mg/L		04/29/21 09:48	04/29/21 20:36	1
Sodium	**26**		0.50		mg/L		04/29/21 09:48	04/29/21 20:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0075**		0.0010		mg/L		04/26/21 16:41	04/29/21 03:11	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:11	1
Barium	**0.018**		0.0012		mg/L		04/26/21 16:41	04/29/21 03:11	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:11	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:11	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:11	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:11	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 03:11	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:11	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 03:11	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 03:11	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:11	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 03:11	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 03:11	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 03:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.24**		0.20		mg/L			04/21/21 10:41	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 10:41	1
Chloride	**38**		1.5		mg/L			04/21/21 10:41	1
Sulfate	**38**		1.5		mg/L			04/21/21 10:41	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.1**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**240**		5.0		mg/L			04/22/21 15:16	1
Bicarbonate Alkalinity as CaCO3	**240**		5.0		mg/L			04/22/21 15:16	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/22/21 15:16	1
Total Dissolved Solids	**340**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-09
Date Collected: 04/19/21 12:33
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-10
Matrix: Water

Method: 8260C LL - 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			04/28/21 17:15	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 17:15	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 17:15	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 17:15	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 17:15	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 17:15	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 17:15	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 17:15	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 17:15	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 17:15	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 17:15	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 17:15	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 17:15	1
2-Butanone	ND		10		ug/L			04/28/21 17:15	1
2-Hexanone	ND		3.0		ug/L			04/28/21 17:15	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 17:15	1
Acetone	ND		10		ug/L			04/28/21 17:15	1
Acrylonitrile	ND		10		ug/L			04/28/21 17:15	1
Benzene	ND		0.20		ug/L			04/28/21 17:15	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 17:15	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 17:15	1
Bromoform	ND		0.50		ug/L			04/28/21 17:15	1
Bromomethane	ND		0.50		ug/L			04/28/21 17:15	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 17:15	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 17:15	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 17:15	1
Chloroethane	ND		0.50		ug/L			04/28/21 17:15	1
Chloroform	ND		0.20		ug/L			04/28/21 17:15	1
Chloromethane	ND		0.50		ug/L			04/28/21 17:15	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 17:15	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 17:15	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 17:15	1
Dibromomethane	ND		0.20		ug/L			04/28/21 17:15	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 17:15	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 17:15	1
Methyl iodide	ND		0.50		ug/L			04/28/21 17:15	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 17:15	1
o-Xylene	ND		0.50		ug/L			04/28/21 17:15	1
Styrene	ND		1.0		ug/L			04/28/21 17:15	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 17:15	1
Toluene	ND		0.20		ug/L			04/28/21 17:15	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 17:15	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 17:15	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 17:15	1
Trichloroethene	ND		0.20		ug/L			04/28/21 17:15	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 17:15	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 17:15	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 17:15	1

Client Sample ID: 0421-09
Date Collected: 04/19/21 12:33
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-10
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/28/21 17:15*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*04/28/21 17:15*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/28/21 17:15*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/21 17:15*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		04/29/21 09:48	04/29/21 20:39	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:39	1
Magnesium	**38**		0.50		mg/L		04/29/21 09:48	04/29/21 20:39	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 20:39	1
Potassium	**5.8**		3.3		mg/L		04/29/21 09:48	04/29/21 20:39	1
Sodium	**19**		0.50		mg/L		04/29/21 09:48	04/29/21 20:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0021**		0.0010		mg/L		04/26/21 16:41	04/29/21 03:15	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:15	1
Barium	**0.034**		0.0012		mg/L		04/26/21 16:41	04/29/21 03:15	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:15	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:15	1
Chromium	**0.0042**		0.00080		mg/L		04/26/21 16:41	04/29/21 03:15	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:15	1
Copper	**0.0022**		0.0020		mg/L		04/26/21 16:41	04/29/21 03:15	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:15	1
Nickel	**0.0043**		0.0030		mg/L		04/26/21 16:41	04/29/21 03:15	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 03:15	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:15	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 03:15	1
Vanadium	**0.0048**		0.0040		mg/L		04/26/21 16:41	04/29/21 03:15	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 03:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.37**		0.20		mg/L			04/21/21 11:04	1
Nitrate Nitrite as N	**7.8**		0.40		mg/L			04/21/21 11:04	1
Chloride	**26**		1.5		mg/L			04/21/21 11:04	1
Sulfate	**95**		1.5		mg/L			04/21/21 11:04	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.2**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**300**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**300**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**530**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-16
Date Collected: 04/19/21 14:04
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-11
Matrix: Water

Method: 8260C LL - 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			04/28/21 17:41	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 17:41	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 17:41	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 17:41	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 17:41	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 17:41	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 17:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 17:41	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 17:41	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 17:41	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 17:41	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 17:41	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 17:41	1
2-Butanone	ND		10		ug/L			04/28/21 17:41	1
2-Hexanone	ND		3.0		ug/L			04/28/21 17:41	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 17:41	1
Acetone	ND		10		ug/L			04/28/21 17:41	1
Acrylonitrile	ND		10		ug/L			04/28/21 17:41	1
Benzene	ND		0.20		ug/L			04/28/21 17:41	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 17:41	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 17:41	1
Bromoform	ND		0.50		ug/L			04/28/21 17:41	1
Bromomethane	ND		0.50		ug/L			04/28/21 17:41	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 17:41	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 17:41	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 17:41	1
Chloroethane	ND		0.50		ug/L			04/28/21 17:41	1
Chloroform	ND		0.20		ug/L			04/28/21 17:41	1
Chloromethane	ND		0.50		ug/L			04/28/21 17:41	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 17:41	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 17:41	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 17:41	1
Dibromomethane	ND		0.20		ug/L			04/28/21 17:41	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 17:41	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 17:41	1
Methyl iodide	ND		0.50		ug/L			04/28/21 17:41	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 17:41	1
o-Xylene	ND		0.50		ug/L			04/28/21 17:41	1
Styrene	ND		1.0		ug/L			04/28/21 17:41	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 17:41	1
Toluene	ND		0.20		ug/L			04/28/21 17:41	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 17:41	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 17:41	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 17:41	1
Trichloroethene	ND		0.20		ug/L			04/28/21 17:41	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 17:41	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 17:41	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 17:41	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-16
Date Collected: 04/19/21 14:04
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-11
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*04/28/21 17:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*04/28/21 17:41*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 17:41*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/21 17:41*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50		mg/L		04/29/21 09:48	04/29/21 20:42	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:42	1
Magnesium	**95**		0.50		mg/L		04/29/21 09:48	04/29/21 20:42	1
Manganese	**0.31**		0.020		mg/L		04/29/21 09:48	04/29/21 20:42	1
Potassium	**9.6**		3.3		mg/L		04/29/21 09:48	04/29/21 20:42	1
Sodium	**47**		0.50		mg/L		04/29/21 09:48	04/29/21 20:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0047**		0.0010		mg/L		04/26/21 16:41	04/29/21 01:58	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 01:58	1
Barium	**0.10**		0.0012		mg/L		04/26/21 16:41	04/29/21 01:58	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:58	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:58	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 01:58	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:58	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 01:58	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:58	1
Nickel	**0.0074**		0.0030		mg/L		04/26/21 16:41	04/29/21 01:58	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 01:58	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:58	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 01:58	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 01:58	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 01:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			04/21/21 11:39	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 11:39	1
Chloride	**130**		15		mg/L			04/21/21 15:45	10
Sulfate	**160**		15		mg/L			04/21/21 15:45	10
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**3.6**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**490**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**490**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**840**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-19
Date Collected: 04/19/21 15:11
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-12
Matrix: Water

Method: 8260C LL - 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			04/28/21 01:40	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 01:40	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 01:40	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 01:40	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 01:40	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 01:40	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 01:40	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 01:40	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 01:40	1
1,2-Dichlorobenzene	ND	*1	0.30		ug/L			04/28/21 01:40	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 01:40	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 01:40	1
1,4-Dichlorobenzene	ND	*1	0.30		ug/L			04/28/21 01:40	1
2-Butanone	ND		10		ug/L			04/28/21 01:40	1
2-Hexanone	ND		3.0		ug/L			04/28/21 01:40	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 01:40	1
Acetone	ND		10		ug/L			04/28/21 01:40	1
Acrylonitrile	ND		10		ug/L			04/28/21 01:40	1
Benzene	ND		0.20		ug/L			04/28/21 01:40	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 01:40	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 01:40	1
Bromoform	ND	*1	0.50		ug/L			04/28/21 01:40	1
Bromomethane	ND		0.50		ug/L			04/28/21 01:40	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 01:40	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 01:40	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 01:40	1
Chloroethane	ND		0.50		ug/L			04/28/21 01:40	1
Chloroform	ND		0.20		ug/L			04/28/21 01:40	1
Chloromethane	ND		0.50		ug/L			04/28/21 01:40	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 01:40	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 01:40	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 01:40	1
Dibromomethane	ND		0.20		ug/L			04/28/21 01:40	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 01:40	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 01:40	1
Methyl iodide	ND		0.50		ug/L			04/28/21 01:40	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 01:40	1
o-Xylene	ND		0.50		ug/L			04/28/21 01:40	1
Styrene	ND		1.0		ug/L			04/28/21 01:40	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 01:40	1
Toluene	ND		0.20		ug/L			04/28/21 01:40	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 01:40	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 01:40	1
Trichloroethene	ND		0.20		ug/L			04/28/21 01:40	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 01:40	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 01:40	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*04/28/21 01:40*	*1*

Client Sample ID: 0421-19
Date Collected: 04/19/21 15:11
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-12
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*04/28/21 01:40*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*04/28/21 01:40*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/21 01:40*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*04/28/21 18:05*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/28/21 18:05*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*04/28/21 18:05*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/28/21 18:05*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**74**		0.50		mg/L		04/29/21 09:48	04/29/21 20:52	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:52	1
Magnesium	**27**		0.50		mg/L		04/29/21 09:48	04/29/21 20:52	1
Manganese	**0.030**		0.020		mg/L		04/29/21 09:48	04/29/21 20:52	1
Potassium	**6.4**		3.3		mg/L		04/29/21 09:48	04/29/21 20:52	1
Sodium	**22**		0.50		mg/L		04/29/21 09:48	04/29/21 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0081**		0.0010		mg/L		04/26/21 16:41	04/29/21 03:34	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:34	1
Barium	**0.032**		0.0012		mg/L		04/26/21 16:41	04/29/21 03:34	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:34	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:34	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 03:34	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:34	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 03:34	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:34	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 03:34	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 03:34	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 03:34	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 03:34	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 03:34	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 03:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.28**		0.20		mg/L			04/21/21 12:03	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 12:03	1
Chloride	**50**		1.5		mg/L			04/21/21 12:03	1
Sulfate	**28**		1.5		mg/L			04/21/21 12:03	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.0**		1.0		mg/L			04/30/21 18:38	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-19
Date Collected: 04/19/21 15:11
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-12
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**270**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**270**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**320**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-29
Date Collected: 04/19/21 15:30
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-13
Matrix: Water

Method: 8260C LL - 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			04/28/21 18:30	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 18:30	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 18:30	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 18:30	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 18:30	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 18:30	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 18:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 18:30	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 18:30	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 18:30	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 18:30	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 18:30	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 18:30	1
2-Butanone	ND		10		ug/L			04/28/21 18:30	1
2-Hexanone	ND		3.0		ug/L			04/28/21 18:30	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 18:30	1
Acetone	ND		10		ug/L			04/28/21 18:30	1
Acrylonitrile	ND		10		ug/L			04/28/21 18:30	1
Benzene	ND		0.20		ug/L			04/28/21 18:30	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 18:30	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 18:30	1
Bromoform	ND		0.50		ug/L			04/28/21 18:30	1
Bromomethane	ND		0.50		ug/L			04/28/21 18:30	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 18:30	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 18:30	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 18:30	1
Chloroethane	ND		0.50		ug/L			04/28/21 18:30	1
Chloroform	ND		0.20		ug/L			04/28/21 18:30	1
Chloromethane	ND		0.50		ug/L			04/28/21 18:30	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 18:30	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 18:30	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 18:30	1
Dibromomethane	ND		0.20		ug/L			04/28/21 18:30	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 18:30	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 18:30	1
Methyl iodide	ND		0.50		ug/L			04/28/21 18:30	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 18:30	1
o-Xylene	ND		0.50		ug/L			04/28/21 18:30	1
Styrene	ND		1.0		ug/L			04/28/21 18:30	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 18:30	1
Toluene	ND		0.20		ug/L			04/28/21 18:30	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 18:30	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 18:30	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 18:30	1
Trichloroethene	ND		0.20		ug/L			04/28/21 18:30	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 18:30	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 18:30	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 18:30	1

Client Sample ID: 0421-29

Date Collected: 04/19/21 15:30
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-13

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*04/28/21 18:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/28/21 18:30*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*04/28/21 18:30*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/21 18:30*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**73**		0.50		mg/L		04/29/21 09:48	04/29/21 20:56	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:56	1
Magnesium	**27**		0.50		mg/L		04/29/21 09:48	04/29/21 20:56	1
Manganese	**0.030**		0.020		mg/L		04/29/21 09:48	04/29/21 20:56	1
Potassium	**6.3**		3.3		mg/L		04/29/21 09:48	04/29/21 20:56	1
Sodium	**21**		0.50		mg/L		04/29/21 09:48	04/29/21 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0075**		0.0010		mg/L		04/30/21 10:44	04/30/21 18:52	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 18:52	1
Barium	**0.029**		0.0012		mg/L		04/30/21 10:44	04/30/21 18:52	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:52	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:52	1
Chromium	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 18:52	1
Cobalt	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:52	1
Copper	ND		0.0020		mg/L		04/30/21 10:44	04/30/21 18:52	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:52	1
Nickel	ND		0.0030		mg/L		04/30/21 10:44	04/30/21 18:52	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 18:52	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:52	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 18:52	1
Vanadium	ND		0.0040		mg/L		04/30/21 10:44	04/30/21 18:52	1
Zinc	ND		0.0070		mg/L		04/30/21 10:44	04/30/21 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.21**		0.20		mg/L			04/21/21 12:15	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 12:15	1
Chloride	**43**		1.5		mg/L			04/21/21 12:15	1
Sulfate	**29**		1.5		mg/L			04/21/21 12:15	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	ND		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**270**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**270**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**310**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-20
Date Collected: 04/19/21 16:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-14
Matrix: Water

Method: 8260C LL - 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			04/28/21 18:55	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 18:55	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 18:55	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 18:55	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 18:55	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 18:55	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 18:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 18:55	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 18:55	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 18:55	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 18:55	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 18:55	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 18:55	1
2-Butanone	ND		10		ug/L			04/28/21 18:55	1
2-Hexanone	ND		3.0		ug/L			04/28/21 18:55	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 18:55	1
Acetone	ND		10		ug/L			04/28/21 18:55	1
Acrylonitrile	ND		10		ug/L			04/28/21 18:55	1
Benzene	ND		0.20		ug/L			04/28/21 18:55	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 18:55	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 18:55	1
Bromoform	ND		0.50		ug/L			04/28/21 18:55	1
Bromomethane	ND		0.50		ug/L			04/28/21 18:55	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 18:55	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 18:55	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 18:55	1
Chloroethane	ND		0.50		ug/L			04/28/21 18:55	1
Chloroform	ND		0.20		ug/L			04/28/21 18:55	1
Chloromethane	ND		0.50		ug/L			04/28/21 18:55	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 18:55	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 18:55	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 18:55	1
Dibromomethane	ND		0.20		ug/L			04/28/21 18:55	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 18:55	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 18:55	1
Methyl iodide	ND		0.50		ug/L			04/28/21 18:55	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 18:55	1
o-Xylene	ND		0.50		ug/L			04/28/21 18:55	1
Styrene	ND		1.0		ug/L			04/28/21 18:55	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 18:55	1
Toluene	ND		0.20		ug/L			04/28/21 18:55	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 18:55	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 18:55	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 18:55	1
Trichloroethene	ND		0.20		ug/L			04/28/21 18:55	1
Trichlorofluoromethane	**1.0**		0.50		ug/L			04/28/21 18:55	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 18:55	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 18:55	1

Client Sample ID: 0421-20
Date Collected: 04/19/21 16:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-14
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*04/28/21 18:55*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/28/21 18:55*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 18:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/21 18:55*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**130**		0.50		mg/L		04/29/21 09:48	04/29/21 20:59	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 20:59	1
Magnesium	**47**		0.50		mg/L		04/29/21 09:48	04/29/21 20:59	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 20:59	1
Potassium	**6.2**		3.3		mg/L		04/29/21 09:48	04/29/21 20:59	1
Sodium	**28**		0.50		mg/L		04/29/21 09:48	04/29/21 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0021**		0.0010		mg/L		04/30/21 10:44	04/30/21 18:56	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 18:56	1
Barium	**0.032**		0.0012		mg/L		04/30/21 10:44	04/30/21 18:56	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:56	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:56	1
Chromium	**0.0096**		0.00080		mg/L		04/30/21 10:44	04/30/21 18:56	1
Cobalt	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:56	1
Copper	ND		0.0020		mg/L		04/30/21 10:44	04/30/21 18:56	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:56	1
Nickel	ND		0.0030		mg/L		04/30/21 10:44	04/30/21 18:56	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 18:56	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:56	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 18:56	1
Vanadium	**0.0052**		0.0040		mg/L		04/30/21 10:44	04/30/21 18:56	1
Zinc	ND		0.0070		mg/L		04/30/21 10:44	04/30/21 18:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.23**		0.20		mg/L			04/21/21 12:50	1
Nitrate Nitrite as N	**7.0**		0.40		mg/L			04/21/21 12:50	1
Chloride	**33**		1.5		mg/L			04/21/21 12:50	1
Sulfate	**55**		1.5		mg/L			04/21/21 12:50	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.1**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**440**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**440**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**550**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-23
Date Collected: 04/19/21 17:38
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-15
Matrix: Water

Method: 8260C LL - 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			04/28/21 19:19	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 19:19	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 19:19	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 19:19	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 19:19	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 19:19	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 19:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 19:19	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 19:19	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 19:19	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 19:19	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 19:19	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 19:19	1
2-Butanone	ND		10		ug/L			04/28/21 19:19	1
2-Hexanone	ND		3.0		ug/L			04/28/21 19:19	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 19:19	1
Acetone	ND		10		ug/L			04/28/21 19:19	1
Acrylonitrile	ND		10		ug/L			04/28/21 19:19	1
Benzene	ND		0.20		ug/L			04/28/21 19:19	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 19:19	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 19:19	1
Bromoform	ND		0.50		ug/L			04/28/21 19:19	1
Bromomethane	ND		0.50		ug/L			04/28/21 19:19	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 19:19	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 19:19	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 19:19	1
Chloroethane	ND		0.50		ug/L			04/28/21 19:19	1
Chloroform	ND		0.20		ug/L			04/28/21 19:19	1
Chloromethane	ND		0.50		ug/L			04/28/21 19:19	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 19:19	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 19:19	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 19:19	1
Dibromomethane	ND		0.20		ug/L			04/28/21 19:19	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 19:19	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 19:19	1
Methyl iodide	ND		0.50		ug/L			04/28/21 19:19	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 19:19	1
o-Xylene	ND		0.50		ug/L			04/28/21 19:19	1
Styrene	ND		1.0		ug/L			04/28/21 19:19	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 19:19	1
Toluene	ND		0.20		ug/L			04/28/21 19:19	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 19:19	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 19:19	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 19:19	1
Trichloroethene	ND		0.20		ug/L			04/28/21 19:19	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 19:19	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 19:19	1
Vinyl chloride	**0.23**		0.020		ug/L			04/28/21 19:19	1

Client Sample ID: 0421-23
Date Collected: 04/19/21 17:38
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-15
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*04/28/21 19:19*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*04/28/21 19:19*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 19:19*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/28/21 19:19*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**180**		0.50		mg/L		04/29/21 09:48	04/29/21 21:02	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 21:02	1
Magnesium	**120**		0.50		mg/L		04/29/21 09:48	04/29/21 21:02	1
Manganese	**0.052**		0.020		mg/L		04/29/21 09:48	04/29/21 21:02	1
Potassium	**9.6**		3.3		mg/L		04/29/21 09:48	04/29/21 21:02	1
Sodium	**46**		0.50		mg/L		04/29/21 09:48	04/29/21 21:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0039**		0.0010		mg/L		04/30/21 10:44	04/30/21 19:00	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:00	1
Barium	**0.047**		0.0012		mg/L		04/30/21 10:44	04/30/21 19:00	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:00	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:00	1
Chromium	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:00	1
Cobalt	**0.00066**		0.00040		mg/L		04/30/21 10:44	04/30/21 19:00	1
Copper	ND		0.0020		mg/L		04/30/21 10:44	04/30/21 19:00	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:00	1
Nickel	**0.0054**		0.0030		mg/L		04/30/21 10:44	04/30/21 19:00	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 19:00	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:00	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 19:00	1
Vanadium	**0.0052**		0.0040		mg/L		04/30/21 10:44	04/30/21 19:00	1
Zinc	ND		0.0070		mg/L		04/30/21 10:44	04/30/21 19:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.88**		0.20		mg/L			04/21/21 13:25	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 13:25	1
Chloride	**78**		1.5		mg/L			04/21/21 13:25	1
Sulfate	**140**		15		mg/L			04/21/21 15:57	10
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.7**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**780**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**780**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**940**		10		mg/L			04/22/21 13:15	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-24
Date Collected: 04/19/21 18:23
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-16
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	14		0.80		mg/L			04/21/21 16:09	2

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: Trip Blank

Date Collected: 04/19/21 00:01
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-17

Matrix: Water

Method: 8260C LL - 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			04/28/21 01:14	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 01:14	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 01:14	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 01:14	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 01:14	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 01:14	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 01:14	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 01:14	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 01:14	1
1,2-Dichlorobenzene	ND	*1	0.30		ug/L			04/28/21 01:14	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 01:14	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 01:14	1
1,4-Dichlorobenzene	ND	*1	0.30		ug/L			04/28/21 01:14	1
2-Butanone	ND		10		ug/L			04/28/21 01:14	1
2-Hexanone	ND		3.0		ug/L			04/28/21 01:14	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 01:14	1
Acetone	ND		10		ug/L			04/28/21 01:14	1
Acrylonitrile	ND		10		ug/L			04/28/21 01:14	1
Benzene	ND		0.20		ug/L			04/28/21 01:14	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 01:14	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 01:14	1
Bromoform	ND	*1	0.50		ug/L			04/28/21 01:14	1
Bromomethane	ND		0.50		ug/L			04/28/21 01:14	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 01:14	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 01:14	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 01:14	1
Chloroethane	ND		0.50		ug/L			04/28/21 01:14	1
Chloroform	ND		0.20		ug/L			04/28/21 01:14	1
Chloromethane	ND		0.50		ug/L			04/28/21 01:14	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 01:14	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 01:14	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 01:14	1
Dibromomethane	ND		0.20		ug/L			04/28/21 01:14	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 01:14	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 01:14	1
Methyl iodide	ND		0.50		ug/L			04/28/21 01:14	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 01:14	1
o-Xylene	ND		0.50		ug/L			04/28/21 01:14	1
Styrene	ND		1.0		ug/L			04/28/21 01:14	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 01:14	1
Toluene	ND		0.20		ug/L			04/28/21 01:14	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 01:14	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 01:14	1
Trichloroethene	ND		0.20		ug/L			04/28/21 01:14	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 01:14	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 01:14	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*04/28/21 01:14*	*1*

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: Trip Blank

Date Collected: 04/19/21 00:01
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-17

Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*04/28/21 01:14*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 01:14*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/28/21 01:14*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*04/29/21 01:09*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*04/29/21 01:09*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*04/29/21 01:09*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/29/21 01:09*	*1*

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-25
Date Collected: 04/20/21 09:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-18
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/30/21 02:41	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/30/21 02:41	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 02:41	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 02:41	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 02:41	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/30/21 02:41	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 02:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 02:41	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 02:41	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 02:41	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/30/21 02:41	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 02:41	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 02:41	1
2-Butanone	ND	*- *1	10		ug/L			04/30/21 02:41	1
2-Hexanone	ND		3.0		ug/L			04/30/21 02:41	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 02:41	1
Acetone	ND		10		ug/L			04/30/21 02:41	1
Acrylonitrile	ND		10		ug/L			04/30/21 02:41	1
Benzene	ND		0.20		ug/L			04/30/21 02:41	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 02:41	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 02:41	1
Bromoform	ND	*1	0.50		ug/L			04/30/21 02:41	1
Bromomethane	ND	*1	0.50		ug/L			04/30/21 02:41	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 02:41	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/30/21 02:41	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 02:41	1
Chloroethane	ND	*1	0.50		ug/L			04/30/21 02:41	1
Chloroform	ND		0.20		ug/L			04/30/21 02:41	1
Chloromethane	ND	*1	0.50		ug/L			04/30/21 02:41	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 02:41	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 02:41	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/30/21 02:41	1
Dibromomethane	ND	*1	0.20		ug/L			04/30/21 02:41	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 02:41	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 02:41	1
Methyl iodide	ND		0.50		ug/L			04/30/21 02:41	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 02:41	1
o-Xylene	ND		0.50		ug/L			04/30/21 02:41	1
Styrene	ND	*1	1.0		ug/L			04/30/21 02:41	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 02:41	1
Toluene	ND		0.20		ug/L			04/30/21 02:41	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 02:41	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 02:41	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/30/21 02:41	1
Trichloroethene	ND		0.20		ug/L			04/30/21 02:41	1
Trichlorofluoromethane	ND	*1	0.50		ug/L			04/30/21 02:41	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 02:41	1
Vinyl chloride	ND	*1	0.020		ug/L			04/30/21 02:41	1

Client Sample ID: 0421-25
Date Collected: 04/20/21 09:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-18
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*04/30/21 02:41*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*04/30/21 02:41*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/30/21 02:41*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/30/21 02:41*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**85**		0.50		mg/L		04/29/21 09:48	04/29/21 21:06	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 21:06	1
Magnesium	**49**		0.50		mg/L		04/29/21 09:48	04/29/21 21:06	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 21:06	1
Potassium	**5.8**		3.3		mg/L		04/29/21 09:48	04/29/21 21:06	1
Sodium	**33**		0.50		mg/L		04/29/21 09:48	04/29/21 21:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0030**		0.0010		mg/L		04/30/21 10:44	04/30/21 19:03	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:03	1
Barium	**0.022**		0.0012		mg/L		04/30/21 10:44	04/30/21 19:03	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:03	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:03	1
Chromium	**0.0015**		0.00080		mg/L		04/30/21 10:44	04/30/21 19:03	1
Cobalt	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:03	1
Copper	**0.038**		0.0020		mg/L		04/30/21 10:44	04/30/21 19:03	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:03	1
Nickel	ND		0.0030		mg/L		04/30/21 10:44	04/30/21 19:03	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 19:03	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:03	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 19:03	1
Vanadium	ND		0.0040		mg/L		04/30/21 10:44	04/30/21 19:03	1
Zinc	**0.037**		0.0070		mg/L		04/30/21 10:44	04/30/21 19:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.28**		0.20		mg/L			04/21/21 14:00	1
Nitrate Nitrite as N	**2.0**		0.40		mg/L			04/21/21 14:00	1
Chloride	**62**		1.5		mg/L			04/21/21 14:00	1
Sulfate	**53**		1.5		mg/L			04/21/21 14:00	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**2.2**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**330**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**330**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**460**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:15	04/21/21 18:19	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-17
Date Collected: 04/20/21 09:02
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-19
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/30/21 03:06	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/30/21 03:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 03:06	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 03:06	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 03:06	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/30/21 03:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 03:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 03:06	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 03:06	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 03:06	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/30/21 03:06	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 03:06	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 03:06	1
2-Butanone	ND	*- *1	10		ug/L			04/30/21 03:06	1
2-Hexanone	ND		3.0		ug/L			04/30/21 03:06	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 03:06	1
Acetone	ND		10		ug/L			04/30/21 03:06	1
Acrylonitrile	ND		10		ug/L			04/30/21 03:06	1
Benzene	ND		0.20		ug/L			04/30/21 03:06	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 03:06	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 03:06	1
Bromoform	ND	*1	0.50		ug/L			04/30/21 03:06	1
Bromomethane	ND	*1	0.50		ug/L			04/30/21 03:06	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 03:06	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/30/21 03:06	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 03:06	1
Chloroethane	ND	*1	0.50		ug/L			04/30/21 03:06	1
Chloroform	ND		0.20		ug/L			04/30/21 03:06	1
Chloromethane	ND	*1	0.50		ug/L			04/30/21 03:06	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 03:06	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 03:06	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/30/21 03:06	1
Dibromomethane	ND	*1	0.20		ug/L			04/30/21 03:06	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 03:06	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 03:06	1
Methyl iodide	ND		0.50		ug/L			04/30/21 03:06	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 03:06	1
o-Xylene	ND		0.50		ug/L			04/30/21 03:06	1
Styrene	ND	*1	1.0		ug/L			04/30/21 03:06	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 03:06	1
Toluene	ND		0.20		ug/L			04/30/21 03:06	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 03:06	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 03:06	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/30/21 03:06	1
Trichloroethene	ND		0.20		ug/L			04/30/21 03:06	1
Trichlorofluoromethane	ND	*1	0.50		ug/L			04/30/21 03:06	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 03:06	1
Vinyl chloride	ND	*1	0.020		ug/L			04/30/21 03:06	1

Client Sample ID: 0421-17
Date Collected: 04/20/21 09:02
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-19
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*04/30/21 03:06*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*04/30/21 03:06*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*04/30/21 03:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/30/21 03:06*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		04/29/21 09:48	04/29/21 21:09	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 21:09	1
Magnesium	**70**		0.50		mg/L		04/29/21 09:48	04/29/21 21:09	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 21:09	1
Potassium	**8.5**		3.3		mg/L		04/29/21 09:48	04/29/21 21:09	1
Sodium	**39**		0.50		mg/L		04/29/21 09:48	04/29/21 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0027**		0.0010		mg/L		04/30/21 10:44	04/30/21 19:07	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:07	1
Barium	**0.027**		0.0012		mg/L		04/30/21 10:44	04/30/21 19:07	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:07	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:07	1
Chromium	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:07	1
Cobalt	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:07	1
Copper	ND		0.0020		mg/L		04/30/21 10:44	04/30/21 19:07	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:07	1
Nickel	**0.0040**		0.0030		mg/L		04/30/21 10:44	04/30/21 19:07	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 19:07	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:07	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 19:07	1
Vanadium	ND		0.0040		mg/L		04/30/21 10:44	04/30/21 19:07	1
Zinc	ND		0.0070		mg/L		04/30/21 10:44	04/30/21 19:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.30**		0.20		mg/L			04/21/21 14:12	1
Nitrate Nitrite as N	**3.7**		0.40		mg/L			04/21/21 14:12	1
Chloride	**70**		1.5		mg/L			04/21/21 14:12	1
Sulfate	**69**		1.5		mg/L			04/21/21 14:12	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**2.0**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**460**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**460**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**560**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-28
Date Collected: 04/20/21 09:30
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-20
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/30/21 03:31	1
1,1,1-Trichloroethane	ND	*1	0.20		ug/L			04/30/21 03:31	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 03:31	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 03:31	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 03:31	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/30/21 03:31	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 03:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 03:31	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 03:31	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 03:31	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/30/21 03:31	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 03:31	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 03:31	1
2-Butanone	ND	*- *1	10		ug/L			04/30/21 03:31	1
2-Hexanone	ND		3.0		ug/L			04/30/21 03:31	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 03:31	1
Acetone	ND		10		ug/L			04/30/21 03:31	1
Acrylonitrile	ND		10		ug/L			04/30/21 03:31	1
Benzene	ND		0.20		ug/L			04/30/21 03:31	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 03:31	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 03:31	1
Bromoform	ND	*1	0.50		ug/L			04/30/21 03:31	1
Bromomethane	ND	*1	0.50		ug/L			04/30/21 03:31	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 03:31	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/30/21 03:31	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 03:31	1
Chloroethane	ND	*1	0.50		ug/L			04/30/21 03:31	1
Chloroform	ND		0.20		ug/L			04/30/21 03:31	1
Chloromethane	ND	*1	0.50		ug/L			04/30/21 03:31	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 03:31	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 03:31	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/30/21 03:31	1
Dibromomethane	ND	*1	0.20		ug/L			04/30/21 03:31	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 03:31	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 03:31	1
Methyl iodide	ND		0.50		ug/L			04/30/21 03:31	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 03:31	1
o-Xylene	ND		0.50		ug/L			04/30/21 03:31	1
Styrene	ND	*1	1.0		ug/L			04/30/21 03:31	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 03:31	1
Toluene	ND		0.20		ug/L			04/30/21 03:31	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 03:31	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 03:31	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/30/21 03:31	1
Trichloroethene	ND		0.20		ug/L			04/30/21 03:31	1
Trichlorofluoromethane	**0.56**	***1**	0.50		ug/L			04/30/21 03:31	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 03:31	1
Vinyl chloride	ND	*1	0.020		ug/L			04/30/21 03:31	1

Client Sample ID: 0421-28
Date Collected: 04/20/21 09:30
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-20
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 120*		*04/30/21 03:31*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*04/30/21 03:31*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*04/30/21 03:31*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/30/21 03:31*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		04/29/21 09:48	04/29/21 21:12	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 21:12	1
Magnesium	**73**		0.50		mg/L		04/29/21 09:48	04/29/21 21:12	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 21:12	1
Potassium	**8.5**		3.3		mg/L		04/29/21 09:48	04/29/21 21:12	1
Sodium	**41**		0.50		mg/L		04/29/21 09:48	04/29/21 21:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0028**		0.0010		mg/L		04/30/21 10:44	04/30/21 19:11	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:11	1
Barium	**0.027**		0.0012		mg/L		04/30/21 10:44	04/30/21 19:11	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:11	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:11	1
Chromium	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:11	1
Cobalt	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:11	1
Copper	ND		0.0020		mg/L		04/30/21 10:44	04/30/21 19:11	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:11	1
Nickel	**0.0041**		0.0030		mg/L		04/30/21 10:44	04/30/21 19:11	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 19:11	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:11	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 19:11	1
Vanadium	ND		0.0040		mg/L		04/30/21 10:44	04/30/21 19:11	1
Zinc	ND		0.0070		mg/L		04/30/21 10:44	04/30/21 19:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			04/21/21 14:24	1
Nitrate Nitrite as N	**3.9**		0.40		mg/L			04/21/21 14:24	1
Chloride	**82**		1.5		mg/L			04/21/21 14:24	1
Sulfate	**80**		1.5		mg/L			04/21/21 14:24	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**2.1**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**450**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**450**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**600**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-18
Date Collected: 04/20/21 10:02
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-21
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	*1	0.30		ug/L			04/30/21 03:56	1
1,1,1-Trichloroethane	**0.39**	***1**	0.20		ug/L			04/30/21 03:56	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 03:56	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 03:56	1
1,1-Dichloroethane	**0.36**		0.20		ug/L			04/30/21 03:56	1
1,1-Dichloroethene	ND	*1	0.20		ug/L			04/30/21 03:56	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 03:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 03:56	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 03:56	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 03:56	1
1,2-Dichloroethane	ND	*1	0.20		ug/L			04/30/21 03:56	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 03:56	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 03:56	1
2-Butanone	ND	*- *1	10		ug/L			04/30/21 03:56	1
2-Hexanone	ND		3.0		ug/L			04/30/21 03:56	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 03:56	1
Acetone	ND		10		ug/L			04/30/21 03:56	1
Acrylonitrile	ND		10		ug/L			04/30/21 03:56	1
Benzene	ND		0.20		ug/L			04/30/21 03:56	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 03:56	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 03:56	1
Bromoform	ND	*1	0.50		ug/L			04/30/21 03:56	1
Bromomethane	ND	*1	0.50		ug/L			04/30/21 03:56	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 03:56	1
Carbon tetrachloride	ND	*1	0.20		ug/L			04/30/21 03:56	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 03:56	1
Chloroethane	ND	*1	0.50		ug/L			04/30/21 03:56	1
Chloroform	ND		0.20		ug/L			04/30/21 03:56	1
Chloromethane	ND	*1	0.50		ug/L			04/30/21 03:56	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 03:56	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 03:56	1
Dibromochloromethane	ND	*1	0.20		ug/L			04/30/21 03:56	1
Dibromomethane	ND	*1	0.20		ug/L			04/30/21 03:56	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 03:56	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 03:56	1
Methyl iodide	ND		0.50		ug/L			04/30/21 03:56	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 03:56	1
o-Xylene	ND		0.50		ug/L			04/30/21 03:56	1
Styrene	ND	*1	1.0		ug/L			04/30/21 03:56	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 03:56	1
Toluene	ND		0.20		ug/L			04/30/21 03:56	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 03:56	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 03:56	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/30/21 03:56	1
Trichloroethene	ND		0.20		ug/L			04/30/21 03:56	1
Trichlorofluoromethane	**3.2**	***1**	0.50		ug/L			04/30/21 03:56	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 03:56	1
Vinyl chloride	ND	*1	0.020		ug/L			04/30/21 03:56	1

Client Sample ID: 0421-18
Date Collected: 04/20/21 10:02
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-21
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*04/30/21 03:56*	*1*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*04/30/21 03:56*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*04/30/21 03:56*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/30/21 03:56*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**140**		0.50		mg/L		04/29/21 09:48	04/29/21 21:15	1
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 21:15	1
Magnesium	**71**		0.50		mg/L		04/29/21 09:48	04/29/21 21:15	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 21:15	1
Potassium	**9.4**		3.3		mg/L		04/29/21 09:48	04/29/21 21:15	1
Sodium	**30**		0.50		mg/L		04/29/21 09:48	04/29/21 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**		0.0010		mg/L		04/30/21 10:44	04/30/21 19:15	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 19:15	1
Barium	**0.041**		0.0012		mg/L		04/30/21 10:44	04/30/21 19:15	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:15	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:15	1
Chromium	**0.0014**		0.00080		mg/L		04/30/21 10:44	04/30/21 19:15	1
Cobalt	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:15	1
Copper	ND		0.0020		mg/L		04/30/21 10:44	04/30/21 19:15	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:15	1
Nickel	**0.0033**		0.0030		mg/L		04/30/21 10:44	04/30/21 19:15	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 19:15	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 19:15	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 19:15	1
Vanadium	**0.0040**		0.0040		mg/L		04/30/21 10:44	04/30/21 19:15	1
Zinc	ND		0.0070		mg/L		04/30/21 10:44	04/30/21 19:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.22**		0.20		mg/L			04/21/21 14:35	1
Nitrate Nitrite as N	**7.4**	**F1**	0.40		mg/L			04/21/21 14:35	1
Chloride	**23**		1.5		mg/L			04/21/21 14:35	1
Sulfate	**50**	**F1**	1.5		mg/L			04/21/21 14:35	1
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1
Total Organic Carbon	**1.3**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**550**		5.0		mg/L			04/27/21 13:40	1
Bicarbonate Alkalinity as CaCO3	**550**		5.0		mg/L			04/27/21 13:40	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/27/21 13:40	1
Total Dissolved Solids	**640**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-355283/7
Matrix: Water
Analysis Batch: 355283

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			04/28/21 00:50	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 00:50	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 00:50	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 00:50	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 00:50	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 00:50	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 00:50	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 00:50	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 00:50	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 00:50	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 00:50	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 00:50	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 00:50	1
2-Butanone	ND		10		ug/L			04/28/21 00:50	1
2-Hexanone	ND		3.0		ug/L			04/28/21 00:50	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 00:50	1
Acetone	ND		10		ug/L			04/28/21 00:50	1
Acrylonitrile	ND		10		ug/L			04/28/21 00:50	1
Benzene	ND		0.20		ug/L			04/28/21 00:50	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 00:50	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 00:50	1
Bromoform	ND		0.50		ug/L			04/28/21 00:50	1
Bromomethane	ND		0.50		ug/L			04/28/21 00:50	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 00:50	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 00:50	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 00:50	1
Chloroethane	ND		0.50		ug/L			04/28/21 00:50	1
Chloroform	ND		0.20		ug/L			04/28/21 00:50	1
Chloromethane	ND		0.50		ug/L			04/28/21 00:50	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 00:50	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 00:50	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 00:50	1
Dibromomethane	ND		0.20		ug/L			04/28/21 00:50	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 00:50	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 00:50	1
Methyl iodide	ND		0.50		ug/L			04/28/21 00:50	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 00:50	1
o-Xylene	ND		0.50		ug/L			04/28/21 00:50	1
Styrene	ND		1.0		ug/L			04/28/21 00:50	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 00:50	1
Toluene	ND		0.20		ug/L			04/28/21 00:50	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 00:50	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 00:50	1
Trichloroethene	ND		0.20		ug/L			04/28/21 00:50	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 00:50	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 00:50	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 00:50	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-355283/7
Matrix: Water
Analysis Batch: 355283

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*04/28/21 00:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*04/28/21 00:50*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 00:50*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/21 00:50*	*1*

Lab Sample ID: LCS 580-355283/4
Matrix: Water
Analysis Batch: 355283

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	4.95		ug/L		99	79 - 127
1,1,1-Trichloroethane	5.00	5.31		ug/L		106	79 - 121
1,1,2,2-Tetrachloroethane	5.00	5.89		ug/L		118	76 - 123
1,1,2-Trichloroethane	5.00	5.73		ug/L		115	80 - 127
1,1-Dichloroethane	5.00	5.40		ug/L		108	74 - 120
1,1-Dichloroethene	5.00	5.36		ug/L		107	79 - 120
1,2,3-Trichloropropane	5.00	6.25		ug/L		125	75 - 127
1,2-Dibromo-3-Chloropropane	5.00	5.28		ug/L		106	73 - 123
1,2-Dibromoethane	5.00	5.98		ug/L		120	80 - 126
1,2-Dichlorobenzene	5.00	5.64		ug/L		113	80 - 129
1,2-Dichloroethane	5.00	5.52		ug/L		110	74 - 120
1,2-Dichloropropane	5.00	5.48		ug/L		110	80 - 130
1,4-Dichlorobenzene	5.00	5.61		ug/L		112	80 - 129
2-Butanone	25.0	30.9		ug/L		123	57 - 136
2-Hexanone	25.0	32.1		ug/L		129	56 - 144
4-Methyl-2-pentanone	25.0	31.6		ug/L		127	78 - 127
Acetone	25.0	27.8		ug/L		111	49 - 150
Acrylonitrile	50.0	64.5		ug/L		129	62 - 145
Benzene	5.00	5.49		ug/L		110	73 - 120
Bromochloromethane	5.00	5.43		ug/L		109	79 - 131
Bromodichloromethane	5.00	5.40		ug/L		108	74 - 120
Bromoform	5.00	4.74		ug/L		95	69 - 125
Bromomethane	5.00	5.14		ug/L		103	68 - 131
Carbon disulfide	5.00	5.70		ug/L		114	75 - 128
Carbon tetrachloride	5.00	5.23		ug/L		105	78 - 120
Chlorobenzene	5.00	5.33		ug/L		107	80 - 123
Chloroethane	5.00	5.19		ug/L		104	70 - 135
Chloroform	5.00	5.38		ug/L		108	80 - 130
Chloromethane	5.00	5.56		ug/L		111	66 - 134
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	72 - 130
cis-1,3-Dichloropropene	5.00	5.49		ug/L		110	77 - 120
Dibromochloromethane	5.00	5.20		ug/L		104	76 - 126
Dibromomethane	5.00	5.59		ug/L		112	65 - 141
Ethylbenzene	5.00	5.47		ug/L		109	80 - 130
m,p-Xylene	5.00	5.65		ug/L		113	86 - 130
Methyl iodide	5.00	5.40		ug/L		108	60 - 133
Methylene Chloride	5.00	5.58		ug/L		112	68 - 134
o-Xylene	5.00	5.36		ug/L		107	80 - 133

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355283/4
Matrix: Water
Analysis Batch: 355283

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	5.49		ug/L		110	74 - 136
Tetrachloroethene	5.00	5.19		ug/L		104	75 - 131
Toluene	5.00	5.49		ug/L		110	80 - 126
trans-1,2-Dichloroethene	5.00	5.20		ug/L		104	63 - 133
trans-1,3-Dichloropropene	5.00	5.59		ug/L		112	71 - 128
Trichloroethene	5.00	5.05		ug/L		101	72 - 136
Trichlorofluoromethane	5.00	5.04		ug/L		101	75 - 120
Vinyl acetate	12.5	12.5		ug/L		100	60 - 138
Vinyl chloride	5.00	5.85		ug/L		117	69 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-355283/5
Matrix: Water
Analysis Batch: 355283

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	4.62		ug/L		92	79 - 127	7	11
1,1,1-Trichloroethane	5.00	4.97		ug/L		99	79 - 121	6	14
1,1,2,2-Tetrachloroethane	5.00	5.32		ug/L		106	76 - 123	10	10
1,1,2-Trichloroethane	5.00	5.39		ug/L		108	80 - 127	6	10
1,1-Dichloroethane	5.00	5.06		ug/L		101	74 - 120	6	10
1,1-Dichloroethene	5.00	5.00		ug/L		100	79 - 120	7	17
1,2,3-Trichloropropane	5.00	5.67		ug/L		113	75 - 127	10	12
1,2-Dibromo-3-Chloropropane	5.00	4.96		ug/L		99	73 - 123	6	16
1,2-Dibromoethane	5.00	5.65		ug/L		113	80 - 126	6	11
1,2-Dichlorobenzene	5.00	5.01	*1	ug/L		100	80 - 129	12	10
1,2-Dichloroethane	5.00	5.20		ug/L		104	74 - 120	6	10
1,2-Dichloropropane	5.00	5.16		ug/L		103	80 - 130	6	14
1,4-Dichlorobenzene	5.00	4.99	*1	ug/L		100	80 - 129	12	11
2-Butanone	25.0	30.4		ug/L		122	57 - 136	1	23
2-Hexanone	25.0	30.8		ug/L		123	56 - 144	4	21
4-Methyl-2-pentanone	25.0	30.1		ug/L		120	78 - 127	5	12
Acetone	25.0	29.4		ug/L		118	49 - 150	6	24
Acrylonitrile	50.0	62.6		ug/L		125	62 - 145	3	14
Benzene	5.00	5.11		ug/L		102	73 - 120	7	10
Bromochloromethane	5.00	5.19		ug/L		104	79 - 131	5	10
Bromodichloromethane	5.00	5.08		ug/L		102	74 - 120	6	10
Bromoform	5.00	4.18	*1	ug/L		84	69 - 125	13	10
Bromomethane	5.00	5.09		ug/L		102	68 - 131	1	18
Carbon disulfide	5.00	5.30		ug/L		106	75 - 128	7	14
Carbon tetrachloride	5.00	4.87		ug/L		97	78 - 120	7	10
Chlorobenzene	5.00	4.96		ug/L		99	80 - 123	7	12
Chloroethane	5.00	4.85		ug/L		97	70 - 135	7	20

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-355283/5
Matrix: Water
Analysis Batch: 355283

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	5.03		ug/L		101	80 - 130	7	10
Chloromethane			5.00	5.42		ug/L		108	66 - 134	3	16
cis-1,2-Dichloroethene			5.00	4.82		ug/L		96	72 - 130	7	10
cis-1,3-Dichloropropene			5.00	5.04		ug/L		101	77 - 120	9	10
Dibromochloromethane			5.00	4.83		ug/L		97	76 - 126	7	10
Dibromomethane			5.00	5.31		ug/L		106	65 - 141	5	10
Ethylbenzene			5.00	5.04		ug/L		101	80 - 130	8	10
m,p-Xylene			5.00	5.19		ug/L		104	86 - 130	8	10
Methyl iodide			5.00	5.03		ug/L		101	60 - 133	7	10
Methylene Chloride			5.00	5.33		ug/L		107	68 - 134	5	18
o-Xylene			5.00	4.92		ug/L		98	80 - 133	9	10
Styrene			5.00	5.04		ug/L		101	74 - 136	9	10
Tetrachloroethene			5.00	4.83		ug/L		97	75 - 131	7	20
Toluene			5.00	5.12		ug/L		102	80 - 126	7	20
trans-1,2-Dichloroethene			5.00	4.85		ug/L		97	63 - 133	7	17
trans-1,3-Dichloropropene			5.00	5.23		ug/L		105	71 - 128	7	16
Trichloroethene			5.00	4.76		ug/L		95	72 - 136	6	14
Trichlorofluoromethane			5.00	4.75		ug/L		95	75 - 120	6	13
Vinyl acetate			12.5	11.3		ug/L		90	60 - 138	10	22
Vinyl chloride			5.00	5.63		ug/L		113	69 - 128	4	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 580-355301/7
Matrix: Water
Analysis Batch: 355301

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			04/28/21 11:53	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/28/21 11:53	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/28/21 11:53	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/28/21 11:53	1
1,1-Dichloroethane	ND		0.20		ug/L			04/28/21 11:53	1
1,1-Dichloroethene	ND		0.20		ug/L			04/28/21 11:53	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/28/21 11:53	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/28/21 11:53	1
1,2-Dibromoethane	ND		0.10		ug/L			04/28/21 11:53	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/28/21 11:53	1
1,2-Dichloroethane	ND		0.20		ug/L			04/28/21 11:53	1
1,2-Dichloropropane	ND		0.20		ug/L			04/28/21 11:53	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/28/21 11:53	1
2-Butanone	ND		10		ug/L			04/28/21 11:53	1
2-Hexanone	ND		3.0		ug/L			04/28/21 11:53	1
4-Methyl-2-pentanone	ND		10		ug/L			04/28/21 11:53	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-355301/7
Matrix: Water
Analysis Batch: 355301

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			04/28/21 11:53	1
Acrylonitrile	ND		10		ug/L			04/28/21 11:53	1
Benzene	ND		0.20		ug/L			04/28/21 11:53	1
Bromochloromethane	ND		0.20		ug/L			04/28/21 11:53	1
Bromodichloromethane	ND		0.20		ug/L			04/28/21 11:53	1
Bromoform	ND		0.50		ug/L			04/28/21 11:53	1
Bromomethane	ND		0.50		ug/L			04/28/21 11:53	1
Carbon disulfide	ND		0.30		ug/L			04/28/21 11:53	1
Carbon tetrachloride	ND		0.20		ug/L			04/28/21 11:53	1
Chlorobenzene	ND		0.20		ug/L			04/28/21 11:53	1
Chloroethane	ND		0.50		ug/L			04/28/21 11:53	1
Chloroform	ND		0.20		ug/L			04/28/21 11:53	1
Chloromethane	ND		0.50		ug/L			04/28/21 11:53	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 11:53	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 11:53	1
Dibromochloromethane	ND		0.20		ug/L			04/28/21 11:53	1
Dibromomethane	ND		0.20		ug/L			04/28/21 11:53	1
Ethylbenzene	ND		0.20		ug/L			04/28/21 11:53	1
m,p-Xylene	ND		0.50		ug/L			04/28/21 11:53	1
Methyl iodide	ND		0.50		ug/L			04/28/21 11:53	1
Methylene Chloride	ND		5.0		ug/L			04/28/21 11:53	1
o-Xylene	ND		0.50		ug/L			04/28/21 11:53	1
Styrene	ND		1.0		ug/L			04/28/21 11:53	1
Tetrachloroethene	ND		0.50		ug/L			04/28/21 11:53	1
Toluene	ND		0.20		ug/L			04/28/21 11:53	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/28/21 11:53	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/28/21 11:53	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/28/21 11:53	1
Trichloroethene	ND		0.20		ug/L			04/28/21 11:53	1
Trichlorofluoromethane	ND		0.50		ug/L			04/28/21 11:53	1
Vinyl acetate	ND		2.0		ug/L			04/28/21 11:53	1
Vinyl chloride	ND		0.020		ug/L			04/28/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*04/28/21 11:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/28/21 11:53*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*04/28/21 11:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/28/21 11:53*	*1*

Lab Sample ID: LCS 580-355301/4
Matrix: Water
Analysis Batch: 355301

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	4.87		ug/L		97	79 - 127
1,1,1-Trichloroethane	5.00	5.36		ug/L		107	79 - 121
1,1,2,2-Tetrachloroethane	5.00	5.79		ug/L		116	76 - 123
1,1,2-Trichloroethane	5.00	5.60		ug/L		112	80 - 127

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355301/4
Matrix: Water
Analysis Batch: 355301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	5.00	5.33		ug/L		107	74 - 120
1,1-Dichloroethene	5.00	5.43		ug/L		109	79 - 120
1,2,3-Trichloropropane	5.00	5.95		ug/L		119	75 - 127
1,2-Dibromo-3-Chloropropane	5.00	5.20		ug/L		104	73 - 123
1,2-Dibromoethane	5.00	5.76		ug/L		115	80 - 126
1,2-Dichlorobenzene	5.00	5.35		ug/L		107	80 - 129
1,2-Dichloroethane	5.00	5.34		ug/L		107	74 - 120
1,2-Dichloropropane	5.00	5.31		ug/L		106	80 - 130
1,4-Dichlorobenzene	5.00	5.40		ug/L		108	80 - 129
2-Butanone	25.0	29.4		ug/L		118	57 - 136
2-Hexanone	25.0	30.8		ug/L		123	56 - 144
4-Methyl-2-pentanone	25.0	30.3		ug/L		121	78 - 127
Acetone	25.0	26.7		ug/L		107	49 - 150
Acrylonitrile	50.0	61.5		ug/L		123	62 - 145
Benzene	5.00	5.42		ug/L		108	73 - 120
Bromochloromethane	5.00	5.31		ug/L		106	79 - 131
Bromodichloromethane	5.00	5.39		ug/L		108	74 - 120
Bromoform	5.00	5.06		ug/L		101	69 - 125
Bromomethane	5.00	5.11		ug/L		102	68 - 131
Carbon disulfide	5.00	5.94		ug/L		119	75 - 128
Carbon tetrachloride	5.00	5.30		ug/L		106	78 - 120
Chlorobenzene	5.00	5.23		ug/L		105	80 - 123
Chloroethane	5.00	5.16		ug/L		103	70 - 135
Chloroform	5.00	5.23		ug/L		105	80 - 130
Chloromethane	5.00	5.66		ug/L		113	66 - 134
cis-1,2-Dichloroethene	5.00	5.11		ug/L		102	72 - 130
cis-1,3-Dichloropropene	5.00	5.52		ug/L		110	77 - 120
Dibromochloromethane	5.00	5.37		ug/L		107	76 - 126
Dibromomethane	5.00	5.47		ug/L		109	65 - 141
Ethylbenzene	5.00	5.39		ug/L		108	80 - 130
m,p-Xylene	5.00	5.57		ug/L		111	86 - 130
Methyl iodide	5.00	5.34		ug/L		107	60 - 133
Methylene Chloride	5.00	5.35		ug/L		107	68 - 134
o-Xylene	5.00	5.23		ug/L		105	80 - 133
Styrene	5.00	5.42		ug/L		108	74 - 136
Tetrachloroethene	5.00	5.19		ug/L		104	75 - 131
Toluene	5.00	5.36		ug/L		107	80 - 126
trans-1,2-Dichloroethene	5.00	5.15		ug/L		103	63 - 133
trans-1,3-Dichloropropene	5.00	5.79		ug/L		116	71 - 128
trans-1,4-Dichloro-2-butene	5.00	3.94		ug/L		79	45 - 144
Trichloroethene	5.00	4.87		ug/L		97	72 - 136
Trichlorofluoromethane	5.00	5.14		ug/L		103	75 - 120
Vinyl acetate	12.5	15.6		ug/L		125	60 - 138
Vinyl chloride	5.00	5.55		ug/L		111	69 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355301/4
Matrix: Water
Analysis Batch: 355301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-355301/5
Matrix: Water
Analysis Batch: 355301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			5.00	4.86		ug/L		97	79 - 127	0	11
1,1,1-Trichloroethane			5.00	5.13		ug/L		103	79 - 121	4	14
1,1,2,2-Tetrachloroethane			5.00	5.97		ug/L		119	76 - 123	3	10
1,1,2-Trichloroethane			5.00	5.53		ug/L		111	80 - 127	1	10
1,1-Dichloroethane			5.00	5.21		ug/L		104	74 - 120	2	10
1,1-Dichloroethene			5.00	5.15		ug/L		103	79 - 120	5	17
1,2,3-Trichloropropane			5.00	5.96		ug/L		119	75 - 127	0	12
1,2-Dibromo-3-Chloropropane			5.00	5.32		ug/L		106	73 - 123	2	16
1,2-Dibromoethane			5.00	5.73		ug/L		115	80 - 126	0	11
1,2-Dichlorobenzene			5.00	5.35		ug/L		107	80 - 129	0	10
1,2-Dichloroethane			5.00	5.24		ug/L		105	74 - 120	2	10
1,2-Dichloropropane			5.00	5.22		ug/L		104	80 - 130	2	14
1,4-Dichlorobenzene			5.00	5.38		ug/L		108	80 - 129	0	11
2-Butanone			25.0	30.5		ug/L		122	57 - 136	4	23
2-Hexanone			25.0	31.7		ug/L		127	56 - 144	3	21
4-Methyl-2-pentanone			25.0	30.4		ug/L		122	78 - 127	1	12
Acetone			25.0	28.6		ug/L		115	49 - 150	7	24
Acrylonitrile			50.0	62.2		ug/L		124	62 - 145	1	14
Benzene			5.00	5.23		ug/L		105	73 - 120	3	10
Bromochloromethane			5.00	5.25		ug/L		105	79 - 131	1	10
Bromodichloromethane			5.00	5.24		ug/L		105	74 - 120	3	10
Bromoform			5.00	4.77		ug/L		95	69 - 125	6	10
Bromomethane			5.00	5.35		ug/L		107	68 - 131	5	18
Carbon disulfide			5.00	5.67		ug/L		113	75 - 128	5	14
Carbon tetrachloride			5.00	5.02		ug/L		100	78 - 120	5	10
Chlorobenzene			5.00	5.12		ug/L		102	80 - 123	2	12
Chloroethane			5.00	5.16		ug/L		103	70 - 135	0	20
Chloroform			5.00	5.13		ug/L		103	80 - 130	2	10
Chloromethane			5.00	5.46		ug/L		109	66 - 134	4	16
cis-1,2-Dichloroethene			5.00	4.96		ug/L		99	72 - 130	3	10
cis-1,3-Dichloropropene			5.00	5.36		ug/L		107	77 - 120	3	10
Dibromochloromethane			5.00	5.20		ug/L		104	76 - 126	3	10
Dibromomethane			5.00	5.37		ug/L		107	65 - 141	2	10
Ethylbenzene			5.00	5.26		ug/L		105	80 - 130	3	10
m,p-Xylene			5.00	5.40		ug/L		108	86 - 130	3	10
Methyl iodide			5.00	5.13		ug/L		103	60 - 133	4	10
Methylene Chloride			5.00	5.26		ug/L		105	68 - 134	2	18
o-Xylene			5.00	5.12		ug/L		102	80 - 133	2	10
Styrene			5.00	5.22		ug/L		104	74 - 136	4	10
Tetrachloroethene			5.00	5.08		ug/L		102	75 - 131	2	20

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-355301/5
Matrix: Water
Analysis Batch: 355301

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
Toluene			5.00	5.22		ug/L		104	80 - 126	3	20
trans-1,2-Dichloroethene			5.00	5.04		ug/L		101	63 - 133	2	17
trans-1,3-Dichloropropene			5.00	5.66		ug/L		113	71 - 128	2	16
trans-1,4-Dichloro-2-butene			5.00	2.94		ug/L		59	45 - 144	29	31
Trichloroethene			5.00	4.75		ug/L		95	72 - 136	2	14
Trichlorofluoromethane			5.00	5.03		ug/L		101	75 - 120	2	13
Vinyl acetate			12.5	15.0		ug/L		120	60 - 138	4	22
Vinyl chloride			5.00	5.90		ug/L		118	69 - 128	6	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 580-355362/6
Matrix: Water
Analysis Batch: 355362

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 00:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*04/29/21 00:44*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*04/29/21 00:44*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*04/29/21 00:44*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/29/21 00:44*	*1*

Lab Sample ID: LCS 580-355362/3
Matrix: Water
Analysis Batch: 355362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,4-Dichloro-2-butene			5.00	4.50		ug/L		90	45 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-355362/4
Matrix: Water
Analysis Batch: 355362

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
trans-1,4-Dichloro-2-butene			5.00	4.43		ug/L		89	45 - 144	2	31

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-355362/4
Matrix: Water
Analysis Batch: 355362

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)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 580-355611/6
Matrix: Water
Analysis Batch: 355611

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			04/29/21 21:19	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/29/21 21:19	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/29/21 21:19	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/29/21 21:19	1
1,1-Dichloroethane	ND		0.20		ug/L			04/29/21 21:19	1
1,1-Dichloroethene	ND		0.20		ug/L			04/29/21 21:19	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/29/21 21:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/29/21 21:19	1
1,2-Dibromoethane	ND		0.10		ug/L			04/29/21 21:19	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/29/21 21:19	1
1,2-Dichloroethane	ND		0.20		ug/L			04/29/21 21:19	1
1,2-Dichloropropane	ND		0.20		ug/L			04/29/21 21:19	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/29/21 21:19	1
2-Butanone	ND		10		ug/L			04/29/21 21:19	1
2-Hexanone	ND		3.0		ug/L			04/29/21 21:19	1
4-Methyl-2-pentanone	ND		10		ug/L			04/29/21 21:19	1
Acetone	ND		10		ug/L			04/29/21 21:19	1
Acrylonitrile	ND		10		ug/L			04/29/21 21:19	1
Benzene	ND		0.20		ug/L			04/29/21 21:19	1
Bromochloromethane	ND		0.20		ug/L			04/29/21 21:19	1
Bromodichloromethane	ND		0.20		ug/L			04/29/21 21:19	1
Bromoform	ND		0.50		ug/L			04/29/21 21:19	1
Bromomethane	ND		0.50		ug/L			04/29/21 21:19	1
Carbon disulfide	ND		0.30		ug/L			04/29/21 21:19	1
Carbon tetrachloride	ND		0.20		ug/L			04/29/21 21:19	1
Chlorobenzene	ND		0.20		ug/L			04/29/21 21:19	1
Chloroethane	ND		0.50		ug/L			04/29/21 21:19	1
Chloroform	ND		0.20		ug/L			04/29/21 21:19	1
Chloromethane	ND		0.50		ug/L			04/29/21 21:19	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 21:19	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 21:19	1
Dibromochloromethane	ND		0.20		ug/L			04/29/21 21:19	1
Dibromomethane	ND		0.20		ug/L			04/29/21 21:19	1
Ethylbenzene	ND		0.20		ug/L			04/29/21 21:19	1
m,p-Xylene	ND		0.50		ug/L			04/29/21 21:19	1
Methyl iodide	ND		0.50		ug/L			04/29/21 21:19	1
Methylene Chloride	ND		5.0		ug/L			04/29/21 21:19	1
o-Xylene	ND		0.50		ug/L			04/29/21 21:19	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-355611/6
Matrix: Water
Analysis Batch: 355611

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			04/29/21 21:19	1
Tetrachloroethene	ND		0.50		ug/L			04/29/21 21:19	1
Toluene	ND		0.20		ug/L			04/29/21 21:19	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/29/21 21:19	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/29/21 21:19	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/29/21 21:19	1
Trichloroethene	ND		0.20		ug/L			04/29/21 21:19	1
Trichlorofluoromethane	ND		0.50		ug/L			04/29/21 21:19	1
Vinyl acetate	ND		2.0		ug/L			04/29/21 21:19	1
Vinyl chloride	ND		0.020		ug/L			04/29/21 21:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*04/29/21 21:19*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*04/29/21 21:19*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*04/29/21 21:19*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/29/21 21:19*	*1*

Lab Sample ID: LCS 580-355611/3
Matrix: Water
Analysis Batch: 355611

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	5.22		ug/L		104	79 - 127
1,1,1-Trichloroethane	5.00	5.31		ug/L		106	79 - 121
1,1,2,2-Tetrachloroethane	5.00	5.45		ug/L		109	76 - 123
1,1,2-Trichloroethane	5.00	5.06		ug/L		101	80 - 127
1,1-Dichloroethane	5.00	5.31		ug/L		106	74 - 120
1,1-Dichloroethene	5.00	5.52		ug/L		110	79 - 120
1,2,3-Trichloropropane	5.00	5.35		ug/L		107	75 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.39		ug/L		88	73 - 123
1,2-Dibromoethane	5.00	4.88		ug/L		98	80 - 126
1,2-Dichlorobenzene	5.00	5.35		ug/L		107	80 - 129
1,2-Dichloroethane	5.00	5.11		ug/L		102	74 - 120
1,2-Dichloropropane	5.00	5.30		ug/L		106	80 - 130
1,4-Dichlorobenzene	5.00	5.54		ug/L		111	80 - 129
2-Butanone	25.0	22.5		ug/L		90	57 - 136
2-Hexanone	25.0	22.2		ug/L		89	56 - 144
4-Methyl-2-pentanone	25.0	22.9		ug/L		91	78 - 127
Acetone	25.0	20.1		ug/L		81	49 - 150
Acrylonitrile	50.0	40.7		ug/L		81	62 - 145
Benzene	5.00	5.24		ug/L		105	73 - 120
Bromochloromethane	5.00	5.43		ug/L		109	79 - 131
Bromodichloromethane	5.00	5.22		ug/L		104	74 - 120
Bromoform	5.00	4.84		ug/L		97	69 - 125
Bromomethane	5.00	6.08		ug/L		122	68 - 131
Carbon disulfide	5.00	4.81		ug/L		96	75 - 128
Carbon tetrachloride	5.00	5.25		ug/L		105	78 - 120
Chlorobenzene	5.00	5.56		ug/L		111	80 - 123

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355611/3
Matrix: Water
Analysis Batch: 355611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloroethane			5.00	5.89		ug/L		118	70 - 135		
Chloroform			5.00	5.37		ug/L		107	80 - 130		
Chloromethane			5.00	5.48		ug/L		110	66 - 134		
cis-1,2-Dichloroethene			5.00	5.17		ug/L		103	72 - 130		
cis-1,3-Dichloropropene			5.00	4.66		ug/L		93	77 - 120		
Dibromochloromethane			5.00	5.39		ug/L		108	76 - 126		
Dibromomethane			5.00	5.46		ug/L		109	65 - 141		
Ethylbenzene			5.00	5.50		ug/L		110	80 - 130		
m,p-Xylene			5.00	5.36		ug/L		107	86 - 130		
Methyl iodide			5.00	5.51		ug/L		110	60 - 133		
Methylene Chloride			5.00	5.88		ug/L		118	68 - 134		
o-Xylene			5.00	5.34		ug/L		107	80 - 133		
Styrene			5.00	5.60		ug/L		112	74 - 136		
Tetrachloroethene			5.00	5.43		ug/L		109	75 - 131		
Toluene			5.00	5.38		ug/L		108	80 - 126		
trans-1,2-Dichloroethene			5.00	5.10		ug/L		102	63 - 133		
trans-1,3-Dichloropropene			5.00	4.73		ug/L		95	71 - 128		
trans-1,4-Dichloro-2-butene			5.00	4.42		ug/L		88	45 - 144		
Trichloroethene			5.00	5.12		ug/L		102	72 - 136		
Trichlorofluoromethane			5.00	5.55		ug/L		111	75 - 120		
Vinyl acetate			12.5	12.0		ug/L		96	60 - 138		
Vinyl chloride			5.00	5.75		ug/L		115	69 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-355611/4
Matrix: Water
Analysis Batch: 355611

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	4.59	*1	ug/L		92	79 - 127	13	11
1,1,1-Trichloroethane			5.00	4.56	*1	ug/L		91	79 - 121	15	14
1,1,2,2-Tetrachloroethane			5.00	5.00		ug/L		100	76 - 123	9	10
1,1,2-Trichloroethane			5.00	4.62		ug/L		92	80 - 127	9	10
1,1-Dichloroethane			5.00	4.99		ug/L		100	74 - 120	6	10
1,1-Dichloroethene			5.00	4.43	*1	ug/L		89	79 - 120	22	17
1,2,3-Trichloropropane			5.00	5.02		ug/L		100	75 - 127	6	12
1,2-Dibromo-3-Chloropropane			5.00	3.92		ug/L		78	73 - 123	11	16
1,2-Dibromoethane			5.00	4.64		ug/L		93	80 - 126	5	11
1,2-Dichlorobenzene			5.00	4.93		ug/L		99	80 - 129	8	10
1,2-Dichloroethane			5.00	4.59	*1	ug/L		92	74 - 120	11	10
1,2-Dichloropropane			5.00	4.75		ug/L		95	80 - 130	11	14
1,4-Dichlorobenzene			5.00	5.21		ug/L		104	80 - 129	6	11
2-Butanone			25.0	8.42	J *- *1	ug/L		34	57 - 136	91	23

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-355611/4
Matrix: Water
Analysis Batch: 355611

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
2-Hexanone			25.0	19.2		ug/L		77	56 - 144	15	21
4-Methyl-2-pentanone			25.0	20.7		ug/L		83	78 - 127	10	12
Acetone			25.0	20.2		ug/L		81	49 - 150	0	24
Acrylonitrile			50.0	37.7		ug/L		75	62 - 145	8	14
Benzene			5.00	5.04		ug/L		101	73 - 120	4	10
Bromochloromethane			5.00	4.94		ug/L		99	79 - 131	10	10
Bromodichloromethane			5.00	4.73		ug/L		95	74 - 120	10	10
Bromoform			5.00	4.07	*1	ug/L		81	69 - 125	17	10
Bromomethane			5.00	4.48	*1	ug/L		90	68 - 131	30	18
Carbon disulfide			5.00	4.56		ug/L		91	75 - 128	6	14
Carbon tetrachloride			5.00	4.71	*1	ug/L		94	78 - 120	11	10
Chlorobenzene			5.00	5.09		ug/L		102	80 - 123	9	12
Chloroethane			5.00	4.07	*1	ug/L		81	70 - 135	37	20
Chloroform			5.00	4.89		ug/L		98	80 - 130	9	10
Chloromethane			5.00	4.17	*1	ug/L		83	66 - 134	27	16
cis-1,2-Dichloroethene			5.00	4.80		ug/L		96	72 - 130	7	10
cis-1,3-Dichloropropene			5.00	4.32		ug/L		86	77 - 120	8	10
Dibromochloromethane			5.00	4.75	*1	ug/L		95	76 - 126	13	10
Dibromomethane			5.00	4.74	*1	ug/L		95	65 - 141	14	10
Ethylbenzene			5.00	5.01		ug/L		100	80 - 130	9	10
m,p-Xylene			5.00	5.11		ug/L		102	86 - 130	5	10
Methyl iodide			5.00	5.05		ug/L		101	60 - 133	9	10
Methylene Chloride			5.00	5.08		ug/L		102	68 - 134	15	18
o-Xylene			5.00	4.82		ug/L		96	80 - 133	10	10
Styrene			5.00	4.99	*1	ug/L		100	74 - 136	12	10
Tetrachloroethene			5.00	5.08		ug/L		102	75 - 131	7	20
Toluene			5.00	5.08		ug/L		102	80 - 126	6	20
trans-1,2-Dichloroethene			5.00	4.91		ug/L		98	63 - 133	4	17
trans-1,3-Dichloropropene			5.00	4.52		ug/L		90	71 - 128	5	16
trans-1,4-Dichloro-2-butene			5.00	4.31		ug/L		86	45 - 144	2	31
Trichloroethene			5.00	4.80		ug/L		96	72 - 136	6	14
Trichlorofluoromethane			5.00	4.13	*1	ug/L		83	75 - 120	30	13
Vinyl acetate			12.5	11.2		ug/L		90	60 - 138	7	22
Vinyl chloride			5.00	4.48	*1	ug/L		90	69 - 128	25	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-355406/23-A
Matrix: Water
Analysis Batch: 355490

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 355406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		04/29/21 09:48	04/29/21 19:35	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 580-355406/23-A
Matrix: Water
Analysis Batch: 355490

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 355406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.30		mg/L		04/29/21 09:48	04/29/21 19:35	1
Magnesium	ND		0.50		mg/L		04/29/21 09:48	04/29/21 19:35	1
Manganese	ND		0.020		mg/L		04/29/21 09:48	04/29/21 19:35	1
Potassium	ND		3.3		mg/L		04/29/21 09:48	04/29/21 19:35	1
Sodium	ND		0.50		mg/L		04/29/21 09:48	04/29/21 19:35	1

Lab Sample ID: LCS 580-355406/24-A
Matrix: Water
Analysis Batch: 355490

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 355406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	20.0	21.6		mg/L		108	80 - 120
Iron	20.0	19.9		mg/L		100	80 - 120
Magnesium	20.0	21.6		mg/L		108	80 - 120
Manganese	1.00	1.01		mg/L		101	80 - 120
Potassium	20.0	21.2		mg/L		106	80 - 120
Sodium	20.0	21.2		mg/L		106	80 - 120

Lab Sample ID: LCSD 580-355406/25-A
Matrix: Water
Analysis Batch: 355490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 355406

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	20.0	21.7		mg/L		109	80 - 120	0	20
Iron	20.0	20.3		mg/L		102	80 - 120	2	20
Magnesium	20.0	21.5		mg/L		107	80 - 120	1	20
Manganese	1.00	1.03		mg/L		103	80 - 120	2	20
Potassium	20.0	21.6		mg/L		108	80 - 120	2	20
Sodium	20.0	21.1		mg/L		105	80 - 120	1	20

Lab Sample ID: 580-102552-1 MS
Matrix: Water
Analysis Batch: 355490

Client Sample ID: 0421-27
Prep Type: Dissolved
Prep Batch: 355406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	110		20.0	122	4	mg/L		86	80 - 120
Iron	0.90		20.0	20.7		mg/L		99	80 - 120
Magnesium	59		20.0	77.0		mg/L		89	80 - 120
Manganese	0.080		1.00	1.09		mg/L		101	80 - 120
Potassium	7.7		20.0	28.4		mg/L		103	80 - 120
Sodium	31		20.0	49.9		mg/L		96	80 - 120

Lab Sample ID: 580-102552-1 MSD
Matrix: Water
Analysis Batch: 355490

Client Sample ID: 0421-27
Prep Type: Dissolved
Prep Batch: 355406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	110		20.0	126	4	mg/L		106	80 - 120	3	20
Iron	0.90		20.0	21.0		mg/L		100	80 - 120	1	20
Magnesium	59		20.0	79.5		mg/L		101	80 - 120	3	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-102552-1 MSD
Matrix: Water
Analysis Batch: 355490

Client Sample ID: 0421-27
Prep Type: Dissolved
Prep Batch: 355406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.080		1.00	1.10		mg/L		102	80 - 120	1	20
Potassium	7.7		20.0	29.1		mg/L		107	80 - 120	3	20
Sodium	31		20.0	51.4		mg/L		104	80 - 120	3	20

Lab Sample ID: 580-102552-1 DU
Matrix: Water
Analysis Batch: 355490

Client Sample ID: 0421-27
Prep Type: Dissolved
Prep Batch: 355406

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	110		109		mg/L		3	20
Iron	0.90		0.885		mg/L		2	20
Magnesium	59		61.0		mg/L		3	20
Manganese	0.080		0.0845		mg/L		5	20
Potassium	7.7		8.02		mg/L		3	20
Sodium	31		31.5		mg/L		3	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-355143/22-A
Matrix: Water
Analysis Batch: 355428

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 01:54	1
Antimony	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 01:54	1
Barium	ND		0.0012		mg/L		04/26/21 16:41	04/29/21 01:54	1
Beryllium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:54	1
Cadmium	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:54	1
Chromium	ND		0.00080		mg/L		04/26/21 16:41	04/29/21 01:54	1
Cobalt	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:54	1
Copper	ND		0.0020		mg/L		04/26/21 16:41	04/29/21 01:54	1
Lead	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:54	1
Nickel	ND		0.0030		mg/L		04/26/21 16:41	04/29/21 01:54	1
Selenium	ND		0.0080		mg/L		04/26/21 16:41	04/29/21 01:54	1
Silver	ND		0.00040		mg/L		04/26/21 16:41	04/29/21 01:54	1
Thallium	ND		0.0010		mg/L		04/26/21 16:41	04/29/21 01:54	1
Vanadium	ND		0.0040		mg/L		04/26/21 16:41	04/29/21 01:54	1
Zinc	ND		0.0070		mg/L		04/26/21 16:41	04/29/21 01:54	1

Lab Sample ID: LCS 580-355143/23-A
Matrix: Water
Analysis Batch: 355428

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.06		mg/L		106	80 - 120
Antimony	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.03		mg/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-355143/23-A
Matrix: Water
Analysis Batch: 355428

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cobalt			1.00	1.04		mg/L		104	80 - 120		
Copper			1.00	1.03		mg/L		103	80 - 120		
Lead			1.00	0.970		mg/L		97	80 - 120		
Nickel			1.00	1.02		mg/L		102	80 - 120		
Selenium			1.00	1.05		mg/L		105	80 - 120		
Silver			1.00	1.05		mg/L		105	80 - 120		
Thallium			1.00	0.972		mg/L		97	80 - 120		
Vanadium			1.00	1.04		mg/L		104	80 - 120		
Zinc			1.00	1.00		mg/L		100	80 - 120		

Lab Sample ID: LCSD 580-355143/24-A
Matrix: Water
Analysis Batch: 355428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			1.00	1.05		mg/L		105	80 - 120	1	20
Antimony			1.00	1.07		mg/L		107	80 - 120	2	20
Barium			1.00	1.02		mg/L		102	80 - 120	0	20
Beryllium			1.00	1.01		mg/L		101	80 - 120	1	20
Cadmium			1.00	1.05		mg/L		105	80 - 120	1	20
Chromium			1.00	1.03		mg/L		103	80 - 120	1	20
Cobalt			1.00	1.06		mg/L		106	80 - 120	2	20
Copper			1.00	1.03		mg/L		103	80 - 120	0	20
Lead			1.00	0.978		mg/L		98	80 - 120	1	20
Nickel			1.00	1.05		mg/L		105	80 - 120	3	20
Selenium			1.00	0.983		mg/L		98	80 - 120	6	20
Silver			1.00	1.06		mg/L		106	80 - 120	1	20
Thallium			1.00	0.986		mg/L		99	80 - 120	1	20
Vanadium			1.00	1.05		mg/L		105	80 - 120	0	20
Zinc			1.00	0.973		mg/L		97	80 - 120	3	20

Lab Sample ID: 580-102552-1 MS
Matrix: Water
Analysis Batch: 355428

Client Sample ID: 0421-27
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	0.0059		1.00	1.04		mg/L		103	80 - 120		
Antimony	ND		1.00	1.04		mg/L		104	80 - 120		
Barium	0.046		1.00	1.04		mg/L		99	80 - 120		
Beryllium	ND		1.00	0.997		mg/L		100	80 - 120		
Cadmium	ND		1.00	1.03		mg/L		103	80 - 120		
Chromium	ND		1.00	1.02		mg/L		102	80 - 120		
Cobalt	ND		1.00	1.03		mg/L		103	80 - 120		
Copper	ND		1.00	0.984		mg/L		98	80 - 120		
Lead	ND		1.00	0.954		mg/L		95	80 - 120		
Nickel	ND		1.00	1.02		mg/L		102	80 - 120		
Selenium	ND		1.00	0.938		mg/L		94	80 - 120		
Silver	ND		1.00	1.02		mg/L		102	80 - 120		
Thallium	ND		1.00	0.945		mg/L		95	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-102552-1 MS
Matrix: Water
Analysis Batch: 355428

Client Sample ID: 0421-27
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	ND		1.00	1.03		mg/L		103	80 - 120
Zinc	ND		1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: 580-102552-1 MSD
Matrix: Water
Analysis Batch: 355428

Client Sample ID: 0421-27
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0059		1.00	1.11		mg/L		111	80 - 120	7	20
Antimony	ND		1.00	1.10		mg/L		110	80 - 120	5	20
Barium	0.046		1.00	1.11		mg/L		106	80 - 120	7	20
Beryllium	ND		1.00	1.04		mg/L		104	80 - 120	4	20
Cadmium	ND		1.00	1.08		mg/L		108	80 - 120	5	20
Chromium	ND		1.00	1.07		mg/L		107	80 - 120	5	20
Cobalt	ND		1.00	1.07		mg/L		107	80 - 120	4	20
Copper	ND		1.00	1.05		mg/L		105	80 - 120	7	20
Lead	ND		1.00	1.00		mg/L		100	80 - 120	5	20
Nickel	ND		1.00	1.09		mg/L		109	80 - 120	7	20
Selenium	ND		1.00	0.981		mg/L		98	80 - 120	4	20
Silver	ND		1.00	1.07		mg/L		107	80 - 120	5	20
Thallium	ND		1.00	1.01		mg/L		101	80 - 120	7	20
Vanadium	ND		1.00	1.08		mg/L		108	80 - 120	5	20
Zinc	ND		1.00	1.07		mg/L		106	80 - 120	4	20

Lab Sample ID: 580-102552-1 DU
Matrix: Water
Analysis Batch: 355428

Client Sample ID: 0421-27
Prep Type: Total Recoverable
Prep Batch: 355143

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.0059		0.00595		mg/L		0.8	20
Antimony	ND		ND		mg/L		NC	20
Barium	0.046		0.0477		mg/L		3	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
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: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-355496/22-A
Matrix: Water
Analysis Batch: 355602

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 355496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 18:02	1
Antimony	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 18:02	1
Barium	ND		0.0012		mg/L		04/30/21 10:44	04/30/21 18:02	1
Beryllium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:02	1
Cadmium	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:02	1
Chromium	ND		0.00080		mg/L		04/30/21 10:44	04/30/21 18:02	1
Cobalt	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:02	1
Copper	ND		0.0020		mg/L		04/30/21 10:44	04/30/21 18:02	1
Lead	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:02	1
Nickel	ND		0.0030		mg/L		04/30/21 10:44	04/30/21 18:02	1
Selenium	ND		0.0080		mg/L		04/30/21 10:44	04/30/21 18:02	1
Silver	ND		0.00040		mg/L		04/30/21 10:44	04/30/21 18:02	1
Thallium	ND		0.0010		mg/L		04/30/21 10:44	04/30/21 18:02	1
Vanadium	ND		0.0040		mg/L		04/30/21 10:44	04/30/21 18:02	1
Zinc	ND		0.0070		mg/L		04/30/21 10:44	04/30/21 18:02	1

Lab Sample ID: LCS 580-355496/23-A
Matrix: Water
Analysis Batch: 355602

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 355496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.925		mg/L		93	80 - 120
Antimony	1.00	0.929		mg/L		93	80 - 120
Barium	1.00	0.930		mg/L		93	80 - 120
Beryllium	1.00	0.932		mg/L		93	80 - 120
Cadmium	1.00	0.938		mg/L		94	80 - 120
Chromium	1.00	0.942		mg/L		94	80 - 120
Cobalt	1.00	0.940		mg/L		94	80 - 120
Copper	1.00	0.929		mg/L		93	80 - 120
Lead	1.00	0.941		mg/L		94	80 - 120
Nickel	1.00	0.937		mg/L		94	80 - 120
Selenium	1.00	0.961		mg/L		96	80 - 120
Silver	1.00	0.942		mg/L		94	80 - 120
Thallium	1.00	0.936		mg/L		94	80 - 120
Vanadium	1.00	0.934		mg/L		93	80 - 120
Zinc	1.00	0.939		mg/L		94	80 - 120

Lab Sample ID: LCSD 580-355496/24-A
Matrix: Water
Analysis Batch: 355602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 355496

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	0.931		mg/L		93	80 - 120	1	20
Antimony	1.00	0.939		mg/L		94	80 - 120	1	20
Barium	1.00	0.941		mg/L		94	80 - 120	1	20
Beryllium	1.00	0.934		mg/L		93	80 - 120	0	20
Cadmium	1.00	0.939		mg/L		94	80 - 120	0	20
Chromium	1.00	0.939		mg/L		94	80 - 120	0	20
Cobalt	1.00	0.935		mg/L		94	80 - 120	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-355496/24-A
Matrix: Water
Analysis Batch: 355602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 355496

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper			1.00	0.927		mg/L		93	80 - 120	0	20
Lead			1.00	0.943		mg/L		94	80 - 120	0	20
Nickel			1.00	0.939		mg/L		94	80 - 120	0	20
Selenium			1.00	0.968		mg/L		97	80 - 120	1	20
Silver			1.00	0.939		mg/L		94	80 - 120	0	20
Thallium			1.00	0.933		mg/L		93	80 - 120	0	20
Vanadium			1.00	0.935		mg/L		94	80 - 120	0	20
Zinc			1.00	0.923		mg/L		92	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-354913/31
Matrix: Water
Analysis Batch: 354913

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			04/21/21 16:21	1
Chloride	ND		1.5		mg/L			04/21/21 16:21	1
Sulfate	ND		1.5		mg/L			04/21/21 16:21	1

Lab Sample ID: LCS 580-354913/32
Matrix: Water
Analysis Batch: 354913

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	4.91		mg/L		98	90 - 110		
Chloride			50.0	51.8		mg/L		104	90 - 110		
Sulfate			50.0	49.8		mg/L		100	90 - 110		

Lab Sample ID: LCSD 580-354913/37
Matrix: Water
Analysis Batch: 354913

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	4.64		mg/L		93	90 - 110	6	15
Chloride			50.0	46.6		mg/L		93	90 - 110	10	15
Sulfate			50.0	54.8		mg/L		110	90 - 110	10	15

Lab Sample ID: 580-102552-21 MS
Matrix: Water
Analysis Batch: 354913

Client Sample ID: 0421-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	0.22		5.00	5.46		mg/L		105	90 - 110		
Chloride	23		50.0	69.7		mg/L		92	90 - 110		
Sulfate	50	F1	50.0	112	F1	mg/L		123	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-102552-21 MSD — **Client Sample ID: 0421-18**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354913

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.22		5.00	5.70		mg/L		110	90 - 110	4	15
Chloride	23		50.0	69.0		mg/L		91	90 - 110	1	15
Sulfate	50	F1	50.0	97.5		mg/L		94	90 - 110	14	15

Lab Sample ID: MB 580-354914/32 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354914

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 16:21	1

Lab Sample ID: LCS 580-354914/33 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354914

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	10.0	10.4		mg/L		104	90 - 110

Lab Sample ID: LCSD 580-354914/38 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354914

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	10.0	9.60		mg/L		96	90 - 110	8	15

Lab Sample ID: 580-102552-21 MS — **Client Sample ID: 0421-18**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354914

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	7.4	F1	10.0	16.9		mg/L		95	90 - 110

Lab Sample ID: 580-102552-21 MSD — **Client Sample ID: 0421-18**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354914

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	7.4	F1	10.0	16.2	F1	mg/L		88	90 - 110	4	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-354794/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354827 — **Prep Batch: 354794**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		04/21/21 14:04	04/21/21 19:17	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 580-354794/2-A
Matrix: Water
Analysis Batch: 354827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 354794

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	2.12		mg/L		106	90 - 110		

Lab Sample ID: 580-102552-1 MS
Matrix: Water
Analysis Batch: 354827

Client Sample ID: 0421-27
Prep Type: Total/NA
Prep Batch: 354794

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	ND	F1	2.00	1.97	F1	mg/L		83	90 - 110		

Lab Sample ID: 580-102552-1 MSD
Matrix: Water
Analysis Batch: 354827

Client Sample ID: 0421-27
Prep Type: Total/NA
Prep Batch: 354794

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND	F1	2.00	2.19		mg/L		94	90 - 110	11	20

Lab Sample ID: 580-102552-1 DU
Matrix: Water
Analysis Batch: 354827

Client Sample ID: 0421-27
Prep Type: Total/NA
Prep Batch: 354794

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	ND	F1	ND		mg/L		NC	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-354903/2
Matrix: Water
Analysis Batch: 354903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			100	95.8		mg/L		96	85 - 115		

Lab Sample ID: LCSD 580-354903/3
Matrix: Water
Analysis Batch: 354903

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	93.6		mg/L		94	85 - 115	2	20

Lab Sample ID: LCS 580-355212/2
Matrix: Water
Analysis Batch: 355212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			100	94.9		mg/L		95	85 - 115		

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 580-102552-10 DU
Matrix: Water
Analysis Batch: 355212

Client Sample ID: 0421-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	300		308		mg/L		2	17
Bicarbonate Alkalinity as CaCO3	300		308		mg/L		2	20
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC	20
Hydroxide Alkalinity as CaCO3	ND		ND		mg/L		NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-354889/1
Matrix: Water
Analysis Batch: 354889

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			04/22/21 13:15	1

Lab Sample ID: LCS 580-354889/2
Matrix: Water
Analysis Batch: 354889

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	1160		mg/L		116	80 - 120

Lab Sample ID: MB 580-354910/2
Matrix: Water
Analysis Batch: 354910

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			04/22/21 15:41	1

Lab Sample ID: LCS 580-354910/3
Matrix: Water
Analysis Batch: 354910

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	1010		mg/L		101	80 - 120

Method: SM 5220D - COD

Lab Sample ID: MB 580-354791/3-A
Matrix: Water
Analysis Batch: 354825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 354791

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		04/21/21 13:13	04/21/21 18:19	1

Lab Sample ID: LCS 580-354791/4-A
Matrix: Water
Analysis Batch: 354825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 354791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	77.6		mg/L		104	80 - 120

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-354791/5-A
Matrix: Water
Analysis Batch: 354825

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 354791

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	72.9		mg/L		97	80 - 120	6	20

Lab Sample ID: MB 580-354896/3-A
Matrix: Water
Analysis Batch: 354930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 354896

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:13	04/22/21 18:34	1

Lab Sample ID: LCS 580-354896/4-A
Matrix: Water
Analysis Batch: 354930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 354896

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			75.0	69.6		mg/L		93	80 - 120		

Lab Sample ID: LCSD 580-354896/5-A
Matrix: Water
Analysis Batch: 354930

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 354896

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	68.2		mg/L		91	80 - 120	2	20

Lab Sample ID: 580-102552-1 MS
Matrix: Water
Analysis Batch: 354930

Client Sample ID: 0421-27
Prep Type: Total/NA
Prep Batch: 354896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	ND		25.0	24.8		mg/L		99	75 - 125		

Lab Sample ID: 580-102552-1 DU
Matrix: Water
Analysis Batch: 354930

Client Sample ID: 0421-27
Prep Type: Total/NA
Prep Batch: 354896

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 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 400-529992/5
Matrix: Water
Analysis Batch: 529992

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			04/30/21 18:38	1

Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 400-529992/6
Matrix: Water
Analysis Batch: 529992

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	20.0	19.0		mg/L		95	85 - 115

Lab Sample ID: MRL 400-529992/3
Matrix: Water
Analysis Batch: 529992

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	ND		mg/L		89	50 - 150

Lab Sample ID: 580-102552-1 MS
Matrix: Water
Analysis Batch: 529992

Client Sample ID: 0421-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	6.6	F1	5.00	1.44	F1	mg/L		-104	76 - 117

Lab Sample ID: 580-102552-1 MSD
Matrix: Water
Analysis Batch: 529992

Client Sample ID: 0421-27
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	6.6	F1	5.00	1.42	F1	mg/L		-104	76 - 117	1	16

Lab Sample ID: 580-102552-11 MS
Matrix: Water
Analysis Batch: 529992

Client Sample ID: 0421-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	3.6		5.00	8.64		mg/L		101	76 - 117

Lab Sample ID: 580-102552-11 MSD
Matrix: Water
Analysis Batch: 529992

Client Sample ID: 0421-16
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	3.6		5.00	8.81		mg/L		105	76 - 117	2	16

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-27
Date Collected: 04/19/21 10:43
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 19:44	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 19:44	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 02:02	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 10:29	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 10:29	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-26
Date Collected: 04/19/21 11:45
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 20:09	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:13	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 02:44	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 10:53	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 10:53	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-08
Date Collected: 04/19/21 13:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 20:33	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:16	TMH	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-08

Date Collected: 04/19/21 13:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 02:48	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 11:16	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 11:16	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-07

Date Collected: 04/19/21 14:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 20:58	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:20	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 02:52	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 11:28	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 11:28	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-03

Date Collected: 04/19/21 15:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/29/21 21:44	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:23	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 02:56	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 11:51	AAC	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-03
Date Collected: 04/19/21 15:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	354914	04/21/21 11:51	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-06
Date Collected: 04/19/21 16:10
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/29/21 22:09	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:26	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 02:59	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 13:02	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 13:02	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-01
Date Collected: 04/19/21 17:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/29/21 22:34	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:29	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 03:03	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 13:13	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 13:13	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-01
Date Collected: 04/19/21 17:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-15
Date Collected: 04/19/21 17:45
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/29/21 22:58	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:33	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 03:07	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 13:37	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 13:37	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-10
Date Collected: 04/19/21 11:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/29/21 23:23	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:36	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 03:11	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 10:41	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 10:41	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	354903	04/22/21 15:16	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-10
Date Collected: 04/19/21 11:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-09
Date Collected: 04/19/21 12:33
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 17:15	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:39	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 03:15	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 11:04	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 11:04	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-16
Date Collected: 04/19/21 14:04
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 17:41	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:42	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 01:58	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 11:39	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 11:39	AAC	FGS SEA
Total/NA	Analysis	300.0		10	354913	04/21/21 15:45	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA

Client Sample ID: 0421-16

Lab Sample ID: 580-102552-11

Date Collected: 04/19/21 14:04

Matrix: Water

Date Received: 04/20/21 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-19

Lab Sample ID: 580-102552-12

Date Collected: 04/19/21 15:11

Matrix: Water

Date Received: 04/20/21 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355283	04/28/21 01:40	K1G	FGS SEA
Total/NA	Analysis	8260C LL	RA	1	355301	04/28/21 18:05	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:52	TMH	FGS SEA
Total Recoverable	Prep	3005A			355143	04/26/21 16:41	JLS	FGS SEA
Total Recoverable	Analysis	6020B		1	355428	04/29/21 03:34	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 12:03	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 12:03	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-29

Lab Sample ID: 580-102552-13

Date Collected: 04/19/21 15:30

Matrix: Water

Date Received: 04/20/21 11:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 18:30	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:56	TMH	FGS SEA
Total Recoverable	Prep	3005A			355496	04/30/21 10:44	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	355602	04/30/21 18:52	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 12:15	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 12:15	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-20
Date Collected: 04/19/21 16:05
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 18:55	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 20:59	TMH	FGS SEA
Total Recoverable	Prep	3005A			355496	04/30/21 10:44	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	355602	04/30/21 18:56	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 12:50	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 12:50	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-23
Date Collected: 04/19/21 17:38
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355301	04/28/21 19:19	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 21:02	TMH	FGS SEA
Total Recoverable	Prep	3005A			355496	04/30/21 10:44	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	355602	04/30/21 19:00	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 13:25	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 13:25	AAC	FGS SEA
Total/NA	Analysis	300.0		10	354913	04/21/21 15:57	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354889	04/22/21 13:15	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-24
Date Collected: 04/19/21 18:23
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		2	354914	04/21/21 16:09	AAC	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: Trip Blank
Date Collected: 04/19/21 00:01
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL	RA	1	355362	04/29/21 01:09	K1G	FGS SEA
Total/NA	Analysis	8260C LL		1	355283	04/28/21 01:14	K1G	FGS SEA

Client Sample ID: 0421-25
Date Collected: 04/20/21 09:00
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/30/21 02:41	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 21:06	TMH	FGS SEA
Total Recoverable	Prep	3005A			355496	04/30/21 10:44	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	355602	04/30/21 19:03	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 14:00	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 14:00	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	FGS SEA
Total/NA	Prep	SM 5220			354791	04/21/21 13:15	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354825	04/21/21 18:19	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-17
Date Collected: 04/20/21 09:02
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/30/21 03:06	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 21:09	TMH	FGS SEA
Total Recoverable	Prep	3005A			355496	04/30/21 10:44	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	355602	04/30/21 19:07	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 14:12	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 14:12	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	FGS SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Client Sample ID: 0421-28

Date Collected: 04/20/21 09:30
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/30/21 03:31	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 21:12	TMH	FGS SEA
Total Recoverable	Prep	3005A			355496	04/30/21 10:44	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	355602	04/30/21 19:11	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 14:24	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 14:24	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	FGS SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-18

Date Collected: 04/20/21 10:02
Date Received: 04/20/21 11:36

Lab Sample ID: 580-102552-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355611	04/30/21 03:56	K1G	FGS SEA
Dissolved	Prep	3005A			355406	04/29/21 09:48	JCP	FGS SEA
Dissolved	Analysis	6010D		1	355490	04/29/21 21:15	TMH	FGS SEA
Total Recoverable	Prep	3005A			355496	04/30/21 10:44	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	355602	04/30/21 19:15	FCW	FGS SEA
Total/NA	Analysis	300.0		1	354913	04/21/21 14:35	AAC	FGS SEA
Total/NA	Analysis	300.0		1	354914	04/21/21 14:35	AAC	FGS SEA
Total/NA	Prep	Distill/Ammonia			354794	04/21/21 14:04	MLT	FGS SEA
Total/NA	Analysis	350.1		1	354827	04/21/21 19:17	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	355212	04/27/21 13:40	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	FGS SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Laboratory: Eurofins FGS, 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	07-13-21

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
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2-Butanone
8260C LL		Water	2-Hexanone
8260C LL		Water	4-Methyl-2-pentanone
8260C LL		Water	Acetone
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Ethylbenzene
8260C LL		Water	m,p-Xylene
8260C LL		Water	Methyl iodide
8260C LL		Water	Methylene Chloride
8260C LL		Water	o-Xylene
8260C LL		Water	Styrene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Laboratory: Eurofins FGS, Seattle (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-21
8260C LL	Water	trans-1,2-Dichloroethene	
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	trans-1,4-Dichloro-2-butene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl acetate	
8260C LL	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 TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-21-00056	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville 2Q21

Job ID: 580-102552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-102552-1	0421-27	Water	04/19/21 10:43	04/20/21 11:36	
580-102552-2	0421-26	Water	04/19/21 11:45	04/20/21 11:36	
580-102552-3	0421-08	Water	04/19/21 13:00	04/20/21 11:36	
580-102552-4	0421-07	Water	04/19/21 14:00	04/20/21 11:36	
580-102552-5	0421-03	Water	04/19/21 15:05	04/20/21 11:36	
580-102552-6	0421-06	Water	04/19/21 16:10	04/20/21 11:36	
580-102552-7	0421-01	Water	04/19/21 17:05	04/20/21 11:36	
580-102552-8	0421-15	Water	04/19/21 17:45	04/20/21 11:36	
580-102552-9	0421-10	Water	04/19/21 11:05	04/20/21 11:36	
580-102552-10	0421-09	Water	04/19/21 12:33	04/20/21 11:36	
580-102552-11	0421-16	Water	04/19/21 14:04	04/20/21 11:36	
580-102552-12	0421-19	Water	04/19/21 15:11	04/20/21 11:36	
580-102552-13	0421-29	Water	04/19/21 15:30	04/20/21 11:36	
580-102552-14	0421-20	Water	04/19/21 16:05	04/20/21 11:36	
580-102552-15	0421-23	Water	04/19/21 17:38	04/20/21 11:36	
580-102552-16	0421-24	Water	04/19/21 18:23	04/20/21 11:36	
580-102552-17	Trip Blank	Water	04/19/21 00:01	04/20/21 11:36	
580-102552-18	0421-25	Water	04/20/21 09:00	04/20/21 11:36	
580-102552-19	0421-17	Water	04/20/21 09:02	04/20/21 11:36	
580-102552-20	0421-28	Water	04/20/21 09:30	04/20/21 11:36	
580-102552-21	0421-18	Water	04/20/21 10:02	04/20/21 11:36	

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

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102552

Client Information	Sampler: SG + AL	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-42914-13705.1
Client Contact: Mr. Sam Graber	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: WA	Page: Page 1 of 2
Company: SCS Engineers	PWSID:			Job #: 04207033.14
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: 425-289-5455(Tel)	PO #: Purchase Order not required			
Email: SGraber@scsengineers.com	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Washington	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	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, 5220D	2320B, 300.0_28D, 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	353.2 - (MOD) Nitrogen, Nitrate-Nitrite				Total Number of containers	Special Instructions/Note:
				Preservation Code:		X	X	S	N	D	D	S	A	N	N	S					
-1	0421-27	4/19/21	1043	G	Water	Y	N	X	X	X	X	X	X	X	X	XX				10	
	0421-26		1145		Water																
-3	0421-08		1300		Water																
	0421-07		1400		Water																
-5	0421-03		1505		Water																
	0421-06		1610		Water																
-7	0421-01		1705		Water																
	0421-15		1745		Water																
-9	0421-10		1105		Water																
	0421-09		1233		Water																
-11	0421-16	↓	1404	↓	Water	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					↓	

580-102552 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
		4/20/21	SCS		4/20/21 1136	EFGS
	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:

Picked up at Coupville waste facility. JCS 4/20/21

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

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102552

Client Information	Sampler: SG + AL	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-42914-13705.3
Client Contact: Mr. Sam Graber	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: WA	Page: Page 2 of 3
Company: SCS Engineers	PWSID:			Job #: 04207033.14
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: 425-289-5455(Tel)	PO #: Purchase Order not required			
Email: SGraber@scsengineers.com	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Washington	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	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, 5220D	2320B, 300.0_28D, 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	353.2 - (MOD) Nitrogen, Nitrate-Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	D	D	S	A	N	N	S	X	
0421-19	4/19/21	1511	G	Water	Y	N	X	X	X	X	X	X	X	X		10	
-13 0421-29		1530		Water													
-14 0421-20		1605		Water													
-15 0421-23		1738		Water													
0421-24		1823		Water												2	
-17 Trip blank		-	-	Water								X				2	
0421-25	4/20/21	900	G	Water	Y	N	X	X	X	X	X	X	X	X		10	
-19 0421-17		902		Water													
0421-28		930		Water													
-21 0421-18		1002		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
		4/20/21	SCS		4/20/21 1150	EFGS
	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:

Picked up at Coupville waste facility JS 4/20/21

Therm. ID: A1 Cor: 2.2 ° Unc: 2.4 °
Cooler Dsc: LB
Packing: Bag
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: A1 Cor: 0.6 ° Unc: 0.8 °
Cooler Dsc: LB
Packing: Bag
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: IR8 Cor: 4.5 ° Unc: 5.0 °
Cooler Dsc: LB
Packing: Bag
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: IR8 Cor: 3.4 ° Unc: 3.9 °
Cooler Dsc: LB
Packing: Bag
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: IR8 Cor: 3.3 ° Unc: 3.9 °
Cooler Dsc: LB
Packing: Bag
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-89507.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 580-102552-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 5/3/2021			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Island County-CSWF-Q1 & Q3	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 - 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)	SM5310B/ Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
0421-27 (580-102552-1)	4/19/21	10:43 Pacific		Water			X	1	
0421-26 (580-102552-2)	4/19/21	11:45 Pacific		Water			X	1	
0421-08 (580-102552-3)	4/19/21	13:00 Pacific		Water			X	1	
0421-07 (580-102552-4)	4/19/21	14:00 Pacific		Water			X	1	
0421-03 (580-102552-5)	4/19/21	15:05 Pacific		Water			X	1	
0421-06 (580-102552-6)	4/19/21	16:10 Pacific		Water			X	1	
0421-01 (580-102552-7)	4/19/21	17:05 Pacific		Water			X	1	
0421-15 (580-102552-8)	4/19/21	17:45 Pacific		Water			X	1	
0421-10 (580-102552-9)	4/19/21	11:05 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out 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 Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Frontier Global Sciences 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
	Tom Blanton	4/28/21	EFGS			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by: Brandon Wentte	Date/Time: 4/29/21 9:18	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.8 C IR9

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-102552-1

Login Number: 102552
List Number: 1
Creator: Blankinship, Tom X

List Source: Eurofins FGS, Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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: 580-102552-1

Login Number: 102552
List Number: 2
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, Pensacola
List Creation: 04/29/21 01:59 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.	N/A	
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	2.8°C IR9
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.	N/A	
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").	N/A	
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

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-102586-1
Client Project/Site: Coupeville Solid Waste Facility Groundwa

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
5/6/2021 4:10:23 PM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 5
Client Sample Results 6
QC Sample Results 35
Chronicle 50
Certification Summary 55
Sample Summary 57
Chain of Custody 58
Receipt Checklists 61

Job ID: 580-102586-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative
580-102586-1

Comments
No additional comments.

Receipt
The samples were received on 4/21/2021 11:14 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 2.3º C, 4.0º C and 4.1º C.

Receipt Exceptions
The following sample(s) was received at the laboratory without a sample collection time documented on the chain of custody: The trip blank does not have a date or time on the COC or container. The default date of 04/20/2021 was given to the trip blank and the default time of 00:01.

GC/MS VOA
Method 8260C LL: An electrical issue resulting in a breaker tripping affected one of the storage refrigerators. Additionally there was a failure of the wireless temperature monitoring system. Due to these two issues, the temperatures of the lab's volatile waters refrigerated storage unit could not be maintained below 6ºC. This exceedance occurred sometime during the weekend of May 1st. The highest temperature recorded was 20.8. The following samples and analyses were affected:

Sample ID	Affected Analyses
0421-02	Re-analysis for Bromoform, Chloromethane and Trans-1,4-Dichloro-2-Butene
0421-04	Re-analysis for Bromoform, Chloromethane and Trans-1,4-Dichloro-2-Butene
0421-05	Re-analysis for Bromoform, Chloromethane, Trichlorofluoromethane and Trans-1,4-Dichloro-2-Butene
0421-11	Re-analysis for Bromoform, Chloromethane, Trichloroethene and Trans-1,4-Dichloro-2-Butene
0421-12	Re-analysis for Bromoform, Chloromethane, Trichloroethene and Trans-1,4-Dichloro-2-Butene
0421-13	Re-analysis for Bromoform, Chloromethane and Trans-1,4-Dichloro-2-Butene
0421-14	Re-analysis for Bromoform, Chloromethane, Trichlorofluoromethane and Trans-1,4-Dichloro-2-Butene
0421-21	Re-analysis for Bromoform, Chloromethane and Trans-1,4-Dichloro-2-Butene
0421-22	Re-analysis for Bromoform, Chloromethane and Trans-1,4-Dichloro-2-Butene
Trip Blank	Re-analysis for Bromoform, Chloromethane and Trans-1,4-Dichloro-2-Butene

Method 8260C LL: The analyte Trichlorofluoromethane was detected above the upper calibration limit for sample 580-102586-6. A dilution was performed during the sample's holding time but was too dilute to detect Trichlorofluoromethane. Therefore, this data is being reported as primary and the proper dilution performed outside of holding time is being reported as secondary.

Method 8260C LL: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-355634 recovered outside control limits for the following analytes: Bromoform, Chloromethane and trans-1,4-Dichloro-2-butene. Vinyl chloride, Bromoform and trans-1,4-Dichloro-2-butene has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260C LL: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-355672 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C LL: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-355781 recovered outside control limits for the following analytes: Chloromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C LL: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-355634 was outside criteria for the following analyte(s): 2-Butanone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C LL: The continuing calibration verification (CCV) associated with batch 580-355672 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been

Job ID: 580-102586-1 (Continued)

Laboratory: Eurofins FGS, Seattle (Continued)

reported. The associated sample is impacted: (CCVIS 580-355672/3).

Method 8260C LL: The continuing calibration verification (CCV) associated with batch 580-355672 recovered outside acceptance criteria, low biased, for trans-1,4-Dichloro-2-butene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Methods 8260C LL, 8260D: The continuing calibration verification (CCV) associated with batch 580-355781 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 580-355781/3).

Method 8260C LL: The CCV for analytical batch 580-355634 recovered outside control limits for the following analytes: Chloromethane, Bromoform and trans-1,4-Dichloro-2-butene.Chloromethane, Bromoform and trans-1,4-Dichloro-2-butene has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

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

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

General Chemistry
Method 300.0: Reanalysis of the following sample was performed outside of the analytical holding time due to dilution: 0421-14 (580-102586-7).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-354916 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-354915 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 580-354989 and analytical batch 580-355011 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 580-355528 and analytical batch 580-355546 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time
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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time

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: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-11
Lab Sample ID: 580-102586-1
Date Collected: 04/20/21 10:55
Matrix: Water
Date Received: 04/21/21 11:14

Method: 8260C LL - 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			04/30/21 04:13	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 04:13	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 04:13	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 04:13	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 04:13	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 04:13	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 04:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 04:13	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 04:13	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 04:13	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 04:13	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 04:13	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 04:13	1
2-Butanone	ND		10		ug/L			04/30/21 04:13	1
2-Hexanone	ND		3.0		ug/L			04/30/21 04:13	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 04:13	1
Acetone	ND		10		ug/L			04/30/21 04:13	1
Acrylonitrile	ND		10		ug/L			04/30/21 04:13	1
Benzene	ND		0.20		ug/L			04/30/21 04:13	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 04:13	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 04:13	1
Bromomethane	ND		0.50		ug/L			04/30/21 04:13	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 04:13	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 04:13	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 04:13	1
Chloroethane	ND		0.50		ug/L			04/30/21 04:13	1
Chloroform	ND		0.20		ug/L			04/30/21 04:13	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 04:13	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 04:13	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 04:13	1
Dibromomethane	ND		0.20		ug/L			04/30/21 04:13	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 04:13	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 04:13	1
Methyl iodide	ND		0.50		ug/L			04/30/21 04:13	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 04:13	1
o-Xylene	ND		0.50		ug/L			04/30/21 04:13	1
Styrene	ND		1.0		ug/L			04/30/21 04:13	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 04:13	1
Toluene	ND		0.20		ug/L			04/30/21 04:13	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 04:13	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 04:13	1
Trichlorofluoromethane	ND		0.50		ug/L			04/30/21 04:13	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 04:13	1
Vinyl chloride	ND		0.020		ug/L			04/30/21 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/30/21 04:13*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*04/30/21 04:13*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/30/21 04:13*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/30/21 04:13*	*1*

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-11
Date Collected: 04/20/21 10:55
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-1
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/03/21 16:12	1
Chloromethane	ND	*+	0.50		ug/L			05/03/21 16:12	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/03/21 16:12	1
Trichloroethene	ND		0.20		ug/L			05/03/21 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/03/21 16:12*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/03/21 16:12*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/03/21 16:12*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/03/21 16:12*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**130**		0.50		mg/L		05/01/21 10:37	05/03/21 16:57	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 16:57	1
Magnesium	**98**		0.50		mg/L		05/01/21 10:37	05/03/21 16:57	1
Manganese	**0.16**		0.020		mg/L		05/01/21 10:37	05/03/21 16:57	1
Potassium	**11**		3.3		mg/L		05/01/21 10:37	05/03/21 16:57	1
Sodium	**50**		0.50		mg/L		05/01/21 10:37	05/03/21 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0035**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:15	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:15	1
Barium	**0.084**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:15	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:15	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:15	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:15	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:15	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 16:15	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:15	1
Nickel	**0.0089**		0.0030		mg/L		05/01/21 11:04	05/03/21 16:15	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:15	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:15	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:15	1
Vanadium	ND		0.0040		mg/L		05/01/21 11:04	05/03/21 16:15	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.21**		0.20		mg/L			04/21/21 17:19	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 17:19	1
Chloride	**95**		1.5		mg/L			04/21/21 17:19	1
Sulfate	**75**		1.5		mg/L			04/21/21 17:19	1
Ammonia	ND	F1	0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**2.6**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**540**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**540**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-11
Lab Sample ID: 580-102586-1
Date Collected: 04/20/21 10:55
Matrix: Water
Date Received: 04/21/21 11:14

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**760**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-12
Lab Sample ID: 580-102586-2
Date Collected: 04/20/21 12:45
Matrix: Water
Date Received: 04/21/21 11:14

Method: 8260C LL - 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			04/30/21 04:38	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 04:38	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 04:38	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 04:38	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 04:38	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 04:38	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 04:38	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 04:38	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 04:38	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 04:38	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 04:38	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 04:38	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 04:38	1
2-Butanone	ND		10		ug/L			04/30/21 04:38	1
2-Hexanone	ND		3.0		ug/L			04/30/21 04:38	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 04:38	1
Acetone	ND		10		ug/L			04/30/21 04:38	1
Acrylonitrile	ND		10		ug/L			04/30/21 04:38	1
Benzene	ND		0.20		ug/L			04/30/21 04:38	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 04:38	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 04:38	1
Bromomethane	ND		0.50		ug/L			04/30/21 04:38	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 04:38	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 04:38	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 04:38	1
Chloroethane	ND		0.50		ug/L			04/30/21 04:38	1
Chloroform	ND		0.20		ug/L			04/30/21 04:38	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 04:38	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 04:38	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 04:38	1
Dibromomethane	ND		0.20		ug/L			04/30/21 04:38	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 04:38	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 04:38	1
Methyl iodide	ND		0.50		ug/L			04/30/21 04:38	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 04:38	1
o-Xylene	ND		0.50		ug/L			04/30/21 04:38	1
Styrene	ND		1.0		ug/L			04/30/21 04:38	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 04:38	1
Toluene	ND		0.20		ug/L			04/30/21 04:38	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 04:38	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 04:38	1
Trichlorofluoromethane	ND		0.50		ug/L			04/30/21 04:38	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 04:38	1
Vinyl chloride	ND		0.020		ug/L			04/30/21 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/30/21 04:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/21 04:38*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*04/30/21 04:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/30/21 04:38*	*1*

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-12
Date Collected: 04/20/21 12:45
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-2
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/03/21 16:37	1
Chloromethane	ND	*+	0.50		ug/L			05/03/21 16:37	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/03/21 16:37	1
Trichloroethene	ND		0.20		ug/L			05/03/21 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/03/21 16:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/03/21 16:37*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/03/21 16:37*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/03/21 16:37*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**79**		0.50		mg/L		05/01/21 10:37	05/03/21 17:25	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 17:25	1
Magnesium	**56**		0.50		mg/L		05/01/21 10:37	05/03/21 17:25	1
Manganese	**0.17**		0.020		mg/L		05/01/21 10:37	05/03/21 17:25	1
Potassium	**7.6**		3.3		mg/L		05/01/21 10:37	05/03/21 17:25	1
Sodium	**38**		0.50		mg/L		05/01/21 10:37	05/03/21 17:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0081**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:19	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:19	1
Barium	**0.042**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:19	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:19	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:19	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:19	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:19	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 16:19	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:19	1
Nickel	ND		0.0030		mg/L		05/01/21 11:04	05/03/21 16:19	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:19	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:19	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:19	1
Vanadium	ND		0.0040		mg/L		05/01/21 11:04	05/03/21 16:19	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.26**		0.20		mg/L			04/21/21 18:18	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 18:18	1
Chloride	**68**		1.5		mg/L			04/21/21 18:18	1
Sulfate	**33**		1.5		mg/L			04/21/21 18:18	1
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**2.4**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**330**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**330**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-12
Lab Sample ID: 580-102586-2
Date Collected: 04/20/21 12:45
Matrix: Water
Date Received: 04/21/21 11:14

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**500**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client Sample ID: 0421-13
Date Collected: 04/20/21 13:32
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-3
Matrix: Water

Method: 8260C LL - 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			04/30/21 05:03	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 05:03	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 05:03	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 05:03	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 05:03	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 05:03	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 05:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 05:03	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 05:03	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 05:03	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 05:03	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 05:03	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 05:03	1
2-Butanone	ND		10		ug/L			04/30/21 05:03	1
2-Hexanone	ND		3.0		ug/L			04/30/21 05:03	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 05:03	1
Acetone	ND		10		ug/L			04/30/21 05:03	1
Acrylonitrile	ND		10		ug/L			04/30/21 05:03	1
Benzene	ND		0.20		ug/L			04/30/21 05:03	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 05:03	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 05:03	1
Bromomethane	ND		0.50		ug/L			04/30/21 05:03	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 05:03	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 05:03	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 05:03	1
Chloroethane	ND		0.50		ug/L			04/30/21 05:03	1
Chloroform	ND		0.20		ug/L			04/30/21 05:03	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 05:03	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 05:03	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 05:03	1
Dibromomethane	ND		0.20		ug/L			04/30/21 05:03	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 05:03	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 05:03	1
Methyl iodide	ND		0.50		ug/L			04/30/21 05:03	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 05:03	1
o-Xylene	ND		0.50		ug/L			04/30/21 05:03	1
Styrene	ND		1.0		ug/L			04/30/21 05:03	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 05:03	1
Toluene	ND		0.20		ug/L			04/30/21 05:03	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 05:03	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 05:03	1
Trichloroethene	ND		0.20		ug/L			04/30/21 05:03	1
Trichlorofluoromethane	ND		0.50		ug/L			04/30/21 05:03	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 05:03	1
Vinyl chloride	ND		0.020		ug/L			04/30/21 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*04/30/21 05:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/21 05:03*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/30/21 05:03*	*1*

Client Sample ID: 0421-13
Date Collected: 04/20/21 13:32
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-3
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/30/21 05:03*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/03/21 17:02	1
Chloromethane	ND	*+	0.50		ug/L			05/03/21 17:02	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/03/21 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/03/21 17:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/03/21 17:02*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/03/21 17:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/03/21 17:02*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**85**		0.50		mg/L		05/01/21 10:37	05/03/21 17:29	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 17:29	1
Magnesium	**57**		0.50		mg/L		05/01/21 10:37	05/03/21 17:29	1
Manganese	**0.22**		0.020		mg/L		05/01/21 10:37	05/03/21 17:29	1
Potassium	**7.0**		3.3		mg/L		05/01/21 10:37	05/03/21 17:29	1
Sodium	**38**		0.50		mg/L		05/01/21 10:37	05/03/21 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0062**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:23	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:23	1
Barium	**0.032**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:23	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:23	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:23	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:23	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:23	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 16:23	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:23	1
Nickel	ND		0.0030		mg/L		05/01/21 11:04	05/03/21 16:23	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:23	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:23	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:23	1
Vanadium	ND		0.0040		mg/L		05/01/21 11:04	05/03/21 16:23	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.25**		0.20		mg/L			04/21/21 18:29	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 18:29	1
Chloride	**72**		1.5		mg/L			04/21/21 18:29	1
Sulfate	**32**		1.5		mg/L			04/21/21 18:29	1
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**2.3**		1.0		mg/L			04/30/21 18:38	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-13
Date Collected: 04/20/21 13:32
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-3
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**350**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**350**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**480**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client Sample ID: 0421-22
Date Collected: 04/20/21 14:48
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-4
Matrix: Water

Method: 8260C LL - 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			04/30/21 05:27	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 05:27	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 05:27	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 05:27	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 05:27	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 05:27	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 05:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 05:27	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 05:27	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 05:27	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 05:27	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 05:27	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 05:27	1
2-Butanone	ND		10		ug/L			04/30/21 05:27	1
2-Hexanone	ND		3.0		ug/L			04/30/21 05:27	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 05:27	1
Acetone	ND		10		ug/L			04/30/21 05:27	1
Acrylonitrile	ND		10		ug/L			04/30/21 05:27	1
Benzene	ND		0.20		ug/L			04/30/21 05:27	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 05:27	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 05:27	1
Bromomethane	ND		0.50		ug/L			04/30/21 05:27	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 05:27	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 05:27	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 05:27	1
Chloroethane	ND		0.50		ug/L			04/30/21 05:27	1
Chloroform	ND		0.20		ug/L			04/30/21 05:27	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 05:27	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 05:27	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 05:27	1
Dibromomethane	ND		0.20		ug/L			04/30/21 05:27	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 05:27	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 05:27	1
Methyl iodide	ND		0.50		ug/L			04/30/21 05:27	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 05:27	1
o-Xylene	ND		0.50		ug/L			04/30/21 05:27	1
Styrene	ND		1.0		ug/L			04/30/21 05:27	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 05:27	1
Toluene	ND		0.20		ug/L			04/30/21 05:27	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 05:27	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 05:27	1
Trichloroethene	ND		0.20		ug/L			04/30/21 05:27	1
Trichlorofluoromethane	**2.3**		0.50		ug/L			04/30/21 05:27	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 05:27	1
Vinyl chloride	**0.031**		0.020		ug/L			04/30/21 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*04/30/21 05:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*04/30/21 05:27*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*04/30/21 05:27*	*1*

Client Sample ID: 0421-22
Date Collected: 04/20/21 14:48
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-4
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*04/30/21 05:27*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/03/21 17:26	1
Chloromethane	ND	*+	0.50		ug/L			05/03/21 17:26	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/03/21 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/03/21 17:26*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/03/21 17:26*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/03/21 17:26*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/03/21 17:26*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		0.50		mg/L		05/01/21 10:37	05/03/21 17:32	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 17:32	1
Magnesium	**66**		0.50		mg/L		05/01/21 10:37	05/03/21 17:32	1
Manganese	**0.50**		0.020		mg/L		05/01/21 10:37	05/03/21 17:32	1
Potassium	**7.4**		3.3		mg/L		05/01/21 10:37	05/03/21 17:32	1
Sodium	**32**		0.50		mg/L		05/01/21 10:37	05/03/21 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0014**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:26	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:26	1
Barium	**0.052**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:26	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:26	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:26	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:26	1
Cobalt	**0.00098**		0.00040		mg/L		05/01/21 11:04	05/03/21 16:26	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 16:26	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:26	1
Nickel	**0.0053**		0.0030		mg/L		05/01/21 11:04	05/03/21 16:26	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:26	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:26	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:26	1
Vanadium	ND		0.0040		mg/L		05/01/21 11:04	05/03/21 16:26	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.23**		0.20		mg/L			04/21/21 18:53	1
Nitrate Nitrite as N	**8.3**		0.40		mg/L			04/21/21 18:53	1
Chloride	**25**		1.5		mg/L			04/21/21 18:53	1
Sulfate	**72**		1.5		mg/L			04/21/21 18:53	1
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**1.2**		1.0		mg/L			04/30/21 18:38	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-22
Date Collected: 04/20/21 14:48
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-4
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**530**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**530**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**700**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:14	04/22/21 18:34	1

Client Sample ID: 0421-21
Date Collected: 04/20/21 15:48
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-5
Matrix: Water

Method: 8260C LL - 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			04/30/21 05:52	1
1,1,1-Trichloroethane	**0.42**		0.20		ug/L			04/30/21 05:52	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 05:52	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 05:52	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 05:52	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 05:52	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 05:52	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 05:52	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 05:52	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 05:52	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 05:52	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 05:52	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 05:52	1
2-Butanone	ND		10		ug/L			04/30/21 05:52	1
2-Hexanone	ND		3.0		ug/L			04/30/21 05:52	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 05:52	1
Acetone	ND		10		ug/L			04/30/21 05:52	1
Acrylonitrile	ND		10		ug/L			04/30/21 05:52	1
Benzene	ND		0.20		ug/L			04/30/21 05:52	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 05:52	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 05:52	1
Bromomethane	ND		0.50		ug/L			04/30/21 05:52	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 05:52	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 05:52	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 05:52	1
Chloroethane	ND		0.50		ug/L			04/30/21 05:52	1
Chloroform	ND		0.20		ug/L			04/30/21 05:52	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 05:52	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 05:52	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 05:52	1
Dibromomethane	ND		0.20		ug/L			04/30/21 05:52	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 05:52	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 05:52	1
Methyl iodide	ND		0.50		ug/L			04/30/21 05:52	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 05:52	1
o-Xylene	ND		0.50		ug/L			04/30/21 05:52	1
Styrene	ND		1.0		ug/L			04/30/21 05:52	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 05:52	1
Toluene	ND		0.20		ug/L			04/30/21 05:52	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 05:52	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 05:52	1
Trichloroethene	ND		0.20		ug/L			04/30/21 05:52	1
Trichlorofluoromethane	**2.8**		0.50		ug/L			04/30/21 05:52	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 05:52	1
Vinyl chloride	**24**		0.020		ug/L			04/30/21 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*04/30/21 05:52*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/21 05:52*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/30/21 05:52*	*1*

Client Sample ID: 0421-21
Date Collected: 04/20/21 15:48
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-5
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/30/21 05:52*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/03/21 17:51	1
Chloromethane	ND	*+	0.50		ug/L			05/03/21 17:51	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/03/21 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/03/21 17:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/03/21 17:51*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/03/21 17:51*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/03/21 17:51*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**180**		0.50		mg/L		05/01/21 10:37	05/03/21 17:35	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 17:35	1
Magnesium	**89**		0.50		mg/L		05/01/21 10:37	05/03/21 17:35	1
Manganese	**0.064**		0.020		mg/L		05/01/21 10:37	05/03/21 17:35	1
Potassium	**8.7**		3.3		mg/L		05/01/21 10:37	05/03/21 17:35	1
Sodium	**36**		0.50		mg/L		05/01/21 10:37	05/03/21 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0020**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:30	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:30	1
Barium	**0.039**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:30	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:30	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:30	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:30	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:30	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 16:30	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:30	1
Nickel	**0.0074**		0.0030		mg/L		05/01/21 11:04	05/03/21 16:30	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:30	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:30	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:30	1
Vanadium	**0.0064**		0.0040		mg/L		05/01/21 11:04	05/03/21 16:30	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			04/21/21 19:16	1
Nitrate Nitrite as N	**8.8**	**F1**	0.40		mg/L			04/21/21 19:16	1
Chloride	**42**	**F1**	1.5		mg/L			04/21/21 19:16	1
Sulfate	**78**	**F1**	1.5		mg/L			04/21/21 19:16	1
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**2.2**		1.0		mg/L			04/30/21 18:38	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-21
Date Collected: 04/20/21 15:48
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-5
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**630**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**630**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**840**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:48	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility Groundwa

Job ID: 580-102586-1

Client Sample ID: 0421-05
Date Collected: 04/20/21 11:44
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-6
Matrix: Water

Method: 8260C LL - 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			04/30/21 06:17	1
1,1,1-Trichloroethane	**0.69**		0.20		ug/L			04/30/21 06:17	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 06:17	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 06:17	1
1,1-Dichloroethane	**3.1**		0.20		ug/L			04/30/21 06:17	1
1,1-Dichloroethene	**0.51**		0.20		ug/L			04/30/21 06:17	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 06:17	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 06:17	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 06:17	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 06:17	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 06:17	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 06:17	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 06:17	1
2-Butanone	ND		10		ug/L			04/30/21 06:17	1
2-Hexanone	ND		3.0		ug/L			04/30/21 06:17	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 06:17	1
Acetone	ND		10		ug/L			04/30/21 06:17	1
Acrylonitrile	ND		10		ug/L			04/30/21 06:17	1
Benzene	ND		0.20		ug/L			04/30/21 06:17	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 06:17	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 06:17	1
Bromoform	ND	*-	0.50		ug/L			04/30/21 06:17	1
Bromomethane	ND		0.50		ug/L			04/30/21 06:17	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 06:17	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 06:17	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 06:17	1
Chloroethane	ND		0.50		ug/L			04/30/21 06:17	1
Chloroform	ND		0.20		ug/L			04/30/21 06:17	1
Chloromethane	ND	*+	0.50		ug/L			04/30/21 06:17	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 06:17	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 06:17	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 06:17	1
Dibromomethane	ND		0.20		ug/L			04/30/21 06:17	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 06:17	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 06:17	1
Methyl iodide	ND		0.50		ug/L			04/30/21 06:17	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 06:17	1
o-Xylene	ND		0.50		ug/L			04/30/21 06:17	1
Styrene	ND		1.0		ug/L			04/30/21 06:17	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 06:17	1
Toluene	ND		0.20		ug/L			04/30/21 06:17	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 06:17	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 06:17	1
trans-1,4-Dichloro-2-butene	ND	*-	2.0		ug/L			04/30/21 06:17	1
Trichloroethene	ND		0.20		ug/L			04/30/21 06:17	1
Trichlorofluoromethane	**96**	**E**	0.50		ug/L			04/30/21 06:17	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 06:17	1
Vinyl chloride	**2.9**		0.020		ug/L			04/30/21 06:17	1

Client Sample ID: 0421-05
Date Collected: 04/20/21 11:44
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*04/30/21 06:17*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*04/30/21 06:17*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*04/30/21 06:17*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/30/21 06:17*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**85**	**H**	2.5		ug/L			05/05/21 17:56	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/05/21 17:56*	*5*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*05/05/21 17:56*	*5*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/05/21 17:56*	*5*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/05/21 17:56*	*5*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**270**		0.50		mg/L		05/01/21 10:37	05/03/21 17:38	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 17:38	1
Magnesium	**110**		0.50		mg/L		05/01/21 10:37	05/03/21 17:38	1
Manganese	**0.79**		0.020		mg/L		05/01/21 10:37	05/03/21 17:38	1
Potassium	**9.9**		3.3		mg/L		05/01/21 10:37	05/03/21 17:38	1
Sodium	**39**		0.50		mg/L		05/01/21 10:37	05/03/21 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0020**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:34	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:34	1
Barium	**0.064**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:34	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:34	1
Cadmium	**0.00068**		0.00040		mg/L		05/01/21 11:04	05/03/21 16:34	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:34	1
Cobalt	**0.0029**		0.00040		mg/L		05/01/21 11:04	05/03/21 16:34	1
Copper	**0.0029**		0.0020		mg/L		05/01/21 11:04	05/03/21 16:34	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:34	1
Nickel	**0.031**		0.0030		mg/L		05/01/21 11:04	05/03/21 16:34	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:34	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:34	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:34	1
Vanadium	**0.014**		0.0040		mg/L		05/01/21 11:04	05/03/21 16:34	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			04/21/21 17:54	1
Nitrate Nitrite as N	**1.1**		0.40		mg/L			04/21/21 17:54	1
Chloride	**60**		1.5		mg/L			04/21/21 17:54	1
Sulfate	**340**		15		mg/L			04/22/21 14:46	10
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**20**		1.0		mg/L			04/30/21 18:38	1

Client Sample Results

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-05
Date Collected: 04/20/21 11:44
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-6
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**760**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**760**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**1300**		20		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	**47**		10		mg/L		04/22/21 14:48	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility Groundwa

Job ID: 580-102586-1

Client Sample ID: 0421-14
Date Collected: 04/20/21 12:44
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-7
Matrix: Water

Method: 8260C LL - 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			04/30/21 06:42	1
1,1,1-Trichloroethane	**0.39**		0.20		ug/L			04/30/21 06:42	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 06:42	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 06:42	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 06:42	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 06:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 06:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 06:42	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 06:42	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 06:42	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 06:42	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 06:42	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 06:42	1
2-Butanone	ND		10		ug/L			04/30/21 06:42	1
2-Hexanone	ND		3.0		ug/L			04/30/21 06:42	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 06:42	1
Acetone	ND		10		ug/L			04/30/21 06:42	1
Acrylonitrile	ND		10		ug/L			04/30/21 06:42	1
Benzene	ND		0.20		ug/L			04/30/21 06:42	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 06:42	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 06:42	1
Bromomethane	ND		0.50		ug/L			04/30/21 06:42	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 06:42	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 06:42	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 06:42	1
Chloroethane	ND		0.50		ug/L			04/30/21 06:42	1
Chloroform	ND		0.20		ug/L			04/30/21 06:42	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 06:42	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 06:42	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 06:42	1
Dibromomethane	ND		0.20		ug/L			04/30/21 06:42	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 06:42	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 06:42	1
Methyl iodide	ND		0.50		ug/L			04/30/21 06:42	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 06:42	1
o-Xylene	ND		0.50		ug/L			04/30/21 06:42	1
Styrene	ND		1.0		ug/L			04/30/21 06:42	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 06:42	1
Toluene	ND		0.20		ug/L			04/30/21 06:42	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 06:42	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 06:42	1
Trichloroethene	ND		0.20		ug/L			04/30/21 06:42	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 06:42	1
Vinyl chloride	ND		0.020		ug/L			04/30/21 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/30/21 06:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/21 06:42*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/30/21 06:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/30/21 06:42*	*1*

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility Groundwa

Job ID: 580-102586-1

Client Sample ID: 0421-14

Date Collected: 04/20/21 12:44
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-7

Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/04/21 13:24	1
Chloromethane	ND	*+	0.50		ug/L			05/04/21 13:24	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/04/21 13:24	1
Trichlorofluoromethane	**4.0**		0.50		ug/L			05/04/21 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/04/21 13:24*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/04/21 13:24*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*05/04/21 13:24*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/04/21 13:24*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50		mg/L		05/01/21 10:37	05/03/21 17:42	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 17:42	1
Magnesium	**69**		0.50		mg/L		05/01/21 10:37	05/03/21 17:42	1
Manganese	ND		0.020		mg/L		05/01/21 10:37	05/03/21 17:42	1
Potassium	**6.2**		3.3		mg/L		05/01/21 10:37	05/03/21 17:42	1
Sodium	**27**		0.50		mg/L		05/01/21 10:37	05/03/21 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0022**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:53	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:53	1
Barium	**0.029**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:53	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:53	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:53	1
Chromium	**0.011**		0.00080		mg/L		05/01/21 11:04	05/03/21 16:53	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:53	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 16:53	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:53	1
Nickel	**0.0039**		0.0030		mg/L		05/01/21 11:04	05/03/21 16:53	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:53	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:53	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:53	1
Vanadium	**0.0047**		0.0040		mg/L		05/01/21 11:04	05/03/21 16:53	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.35**		0.20		mg/L			04/21/21 18:06	1
Nitrate Nitrite as N	**21**		0.40		mg/L			04/21/21 18:06	1
Nitrate Nitrite as N	**27**	**H**	4.0		mg/L			04/22/21 14:34	10
Chloride	**63**		1.5		mg/L			04/21/21 18:06	1
Sulfate	**73**		1.5		mg/L			04/21/21 18:06	1
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**2.0**		1.0		mg/L			04/30/21 18:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**360**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**360**		5.0		mg/L			04/30/21 16:19	1

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-14
Lab Sample ID: 580-102586-7
Date Collected: 04/20/21 12:44
Matrix: Water
Date Received: 04/21/21 11:14

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**620**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:48	04/22/21 18:34	1

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-02
Lab Sample ID: 580-102586-8
Date Collected: 04/20/21 13:50
Matrix: Water
Date Received: 04/21/21 11:14

Method: 8260C LL - 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			04/30/21 07:07	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 07:07	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 07:07	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 07:07	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 07:07	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 07:07	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 07:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 07:07	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 07:07	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 07:07	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 07:07	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 07:07	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 07:07	1
2-Butanone	ND		10		ug/L			04/30/21 07:07	1
2-Hexanone	ND		3.0		ug/L			04/30/21 07:07	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 07:07	1
Acetone	ND		10		ug/L			04/30/21 07:07	1
Acrylonitrile	ND		10		ug/L			04/30/21 07:07	1
Benzene	ND		0.20		ug/L			04/30/21 07:07	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 07:07	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 07:07	1
Bromomethane	ND		0.50		ug/L			04/30/21 07:07	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 07:07	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 07:07	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 07:07	1
Chloroethane	ND		0.50		ug/L			04/30/21 07:07	1
Chloroform	ND		0.20		ug/L			04/30/21 07:07	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 07:07	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 07:07	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 07:07	1
Dibromomethane	ND		0.20		ug/L			04/30/21 07:07	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 07:07	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 07:07	1
Methyl iodide	ND		0.50		ug/L			04/30/21 07:07	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 07:07	1
o-Xylene	ND		0.50		ug/L			04/30/21 07:07	1
Styrene	ND		1.0		ug/L			04/30/21 07:07	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 07:07	1
Toluene	ND		0.20		ug/L			04/30/21 07:07	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 07:07	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 07:07	1
Trichloroethene	ND		0.20		ug/L			04/30/21 07:07	1
Trichlorofluoromethane	ND		0.50		ug/L			04/30/21 07:07	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 07:07	1
Vinyl chloride	ND		0.020		ug/L			04/30/21 07:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*04/30/21 07:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/21 07:07*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/30/21 07:07*	*1*

Client Sample ID: 0421-02
Date Collected: 04/20/21 13:50
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-8
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/30/21 07:07*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/04/21 13:49	1
Chloromethane	ND	*+	0.50		ug/L			05/04/21 13:49	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/04/21 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/04/21 13:49*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/04/21 13:49*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/04/21 13:49*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/04/21 13:49*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**73**		0.50		mg/L		05/01/21 10:37	05/03/21 17:45	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 17:45	1
Magnesium	**46**		0.50		mg/L		05/01/21 10:37	05/03/21 17:45	1
Manganese	**0.29**		0.020		mg/L		05/01/21 10:37	05/03/21 17:45	1
Potassium	**6.9**		3.3		mg/L		05/01/21 10:37	05/03/21 17:45	1
Sodium	**28**		0.50		mg/L		05/01/21 10:37	05/03/21 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0062**		0.0010		mg/L		05/01/21 11:04	05/03/21 16:57	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 16:57	1
Barium	**0.027**		0.0012		mg/L		05/01/21 11:04	05/03/21 16:57	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:57	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:57	1
Chromium	**0.0017**		0.00080		mg/L		05/01/21 11:04	05/03/21 16:57	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:57	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 16:57	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:57	1
Nickel	ND		0.0030		mg/L		05/01/21 11:04	05/03/21 16:57	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 16:57	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 16:57	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 16:57	1
Vanadium	ND		0.0040		mg/L		05/01/21 11:04	05/03/21 16:57	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 16:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.40**		0.20		mg/L			04/21/21 18:41	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 18:41	1
Chloride	**35**		1.5		mg/L			04/21/21 18:41	1
Sulfate	**16**		1.5		mg/L			04/21/21 18:41	1
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1
Total Organic Carbon	**1.4**		1.0		mg/L			04/30/21 18:38	1

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-02
Lab Sample ID: 580-102586-8
Date Collected: 04/20/21 13:50
Matrix: Water
Date Received: 04/21/21 11:14

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**320**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**320**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**350**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:48	04/22/21 18:34	1

Client: SCS Engineers
Project/Site: Coupeville Solid Waste Facility Groundwa

Job ID: 580-102586-1

Client Sample ID: 0421-04
Date Collected: 04/20/21 14:55
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-9
Matrix: Water

Method: 8260C LL - 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			04/30/21 08:46	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 08:46	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 08:46	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 08:46	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 08:46	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 08:46	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 08:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 08:46	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 08:46	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 08:46	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 08:46	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 08:46	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 08:46	1
2-Butanone	ND		10		ug/L			04/30/21 08:46	1
2-Hexanone	ND		3.0		ug/L			04/30/21 08:46	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 08:46	1
Acetone	ND		10		ug/L			04/30/21 08:46	1
Acrylonitrile	ND		10		ug/L			04/30/21 08:46	1
Benzene	ND		0.20		ug/L			04/30/21 08:46	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 08:46	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 08:46	1
Bromomethane	ND		0.50		ug/L			04/30/21 08:46	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 08:46	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 08:46	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 08:46	1
Chloroethane	ND		0.50		ug/L			04/30/21 08:46	1
Chloroform	ND		0.20		ug/L			04/30/21 08:46	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 08:46	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 08:46	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 08:46	1
Dibromomethane	ND		0.20		ug/L			04/30/21 08:46	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 08:46	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 08:46	1
Methyl iodide	ND		0.50		ug/L			04/30/21 08:46	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 08:46	1
o-Xylene	ND		0.50		ug/L			04/30/21 08:46	1
Styrene	ND		1.0		ug/L			04/30/21 08:46	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 08:46	1
Toluene	ND		0.20		ug/L			04/30/21 08:46	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 08:46	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 08:46	1
Trichloroethene	ND		0.20		ug/L			04/30/21 08:46	1
Trichlorofluoromethane	ND		0.50		ug/L			04/30/21 08:46	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 08:46	1
Vinyl chloride	**0.022**		0.020		ug/L			04/30/21 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/30/21 08:46*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/21 08:46*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/30/21 08:46*	*1*

Client Sample ID: 0421-04
Date Collected: 04/20/21 14:55
Date Received: 04/21/21 11:14

Lab Sample ID: 580-102586-9
Matrix: Water

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*04/30/21 08:46*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/04/21 14:15	1
Chloromethane	ND	*+	0.50		ug/L			05/04/21 14:15	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/04/21 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/04/21 14:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/04/21 14:15*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/04/21 14:15*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/04/21 14:15*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**65**		0.50		mg/L		05/01/21 10:37	05/03/21 17:48	1
Iron	**1.7**		0.30		mg/L		05/01/21 10:37	05/03/21 17:48	1
Magnesium	**33**		0.50		mg/L		05/01/21 10:37	05/03/21 17:48	1
Manganese	**0.59**		0.020		mg/L		05/01/21 10:37	05/03/21 17:48	1
Potassium	**6.0**		3.3		mg/L		05/01/21 10:37	05/03/21 17:48	1
Sodium	**35**		0.50		mg/L		05/01/21 10:37	05/03/21 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0016**		0.0010		mg/L		05/01/21 11:04	05/03/21 17:01	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 17:01	1
Barium	**0.076**		0.0012		mg/L		05/01/21 11:04	05/03/21 17:01	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 17:01	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 17:01	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 17:01	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 17:01	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 17:01	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 17:01	1
Nickel	ND		0.0030		mg/L		05/01/21 11:04	05/03/21 17:01	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 17:01	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 17:01	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 17:01	1
Vanadium	ND		0.0040		mg/L		05/01/21 11:04	05/03/21 17:01	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 17:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.61**		0.20		mg/L			04/21/21 19:05	1
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 19:05	1
Chloride	**19**		1.5		mg/L			04/21/21 19:05	1
Sulfate	**31**		1.5		mg/L			04/21/21 19:05	1
Ammonia	ND	F1	0.50		mg/L		04/30/21 13:52	04/30/21 16:08	1
Total Organic Carbon	**1.6**		1.0		mg/L			04/30/21 18:38	1

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-04
Lab Sample ID: 580-102586-9
Date Collected: 04/20/21 14:55
Matrix: Water
Date Received: 04/21/21 11:14

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**290**		5.0		mg/L			04/30/21 16:19	1
Bicarbonate Alkalinity as CaCO3	**290**		5.0		mg/L			04/30/21 16:19	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			04/30/21 16:19	1
Total Dissolved Solids	**340**		10		mg/L			04/22/21 15:41	1
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:48	04/22/21 18:34	1

Client Sample ID: Trip Blank
Lab Sample ID: 580-102586-10

Date Collected: 04/20/21 00:01
Matrix: Water
Date Received: 04/21/21 11:14

Method: 8260C LL - 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			04/30/21 01:20	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 01:20	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 01:20	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 01:20	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 01:20	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 01:20	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 01:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 01:20	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 01:20	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 01:20	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 01:20	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 01:20	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 01:20	1
2-Butanone	ND		10		ug/L			04/30/21 01:20	1
2-Hexanone	ND		3.0		ug/L			04/30/21 01:20	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 01:20	1
Acetone	ND		10		ug/L			04/30/21 01:20	1
Acrylonitrile	ND		10		ug/L			04/30/21 01:20	1
Benzene	ND		0.20		ug/L			04/30/21 01:20	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 01:20	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 01:20	1
Bromomethane	ND		0.50		ug/L			04/30/21 01:20	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 01:20	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 01:20	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 01:20	1
Chloroethane	ND		0.50		ug/L			04/30/21 01:20	1
Chloroform	ND		0.20		ug/L			04/30/21 01:20	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 01:20	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 01:20	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 01:20	1
Dibromomethane	ND		0.20		ug/L			04/30/21 01:20	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 01:20	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 01:20	1
Methyl iodide	ND		0.50		ug/L			04/30/21 01:20	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 01:20	1
o-Xylene	ND		0.50		ug/L			04/30/21 01:20	1
Styrene	ND		1.0		ug/L			04/30/21 01:20	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 01:20	1
Toluene	ND		0.20		ug/L			04/30/21 01:20	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 01:20	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 01:20	1
Trichloroethene	ND		0.20		ug/L			04/30/21 01:20	1
Trichlorofluoromethane	ND		0.50		ug/L			04/30/21 01:20	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 01:20	1
Vinyl chloride	ND		0.020		ug/L			04/30/21 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*04/30/21 01:20*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*04/30/21 01:20*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*04/30/21 01:20*	*1*

Client Sample ID: Trip Blank
Lab Sample ID: 580-102586-10

Date Collected: 04/20/21 00:01
Matrix: Water
Date Received: 04/21/21 11:14

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*04/30/21 01:20*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/03/21 15:23	1
Chloromethane	ND	*+	0.50		ug/L			05/03/21 15:23	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/03/21 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/03/21 15:23*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*05/03/21 15:23*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/03/21 15:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/03/21 15:23*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-355634/7
Matrix: Water
Analysis Batch: 355634

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			04/30/21 00:30	1
1,1,1-Trichloroethane	ND		0.20		ug/L			04/30/21 00:30	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			04/30/21 00:30	1
1,1,2-Trichloroethane	ND		0.20		ug/L			04/30/21 00:30	1
1,1-Dichloroethane	ND		0.20		ug/L			04/30/21 00:30	1
1,1-Dichloroethene	ND		0.20		ug/L			04/30/21 00:30	1
1,2,3-Trichloropropane	ND		0.20		ug/L			04/30/21 00:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			04/30/21 00:30	1
1,2-Dibromoethane	ND		0.10		ug/L			04/30/21 00:30	1
1,2-Dichlorobenzene	ND		0.30		ug/L			04/30/21 00:30	1
1,2-Dichloroethane	ND		0.20		ug/L			04/30/21 00:30	1
1,2-Dichloropropane	ND		0.20		ug/L			04/30/21 00:30	1
1,4-Dichlorobenzene	ND		0.30		ug/L			04/30/21 00:30	1
2-Butanone	ND		10		ug/L			04/30/21 00:30	1
2-Hexanone	ND		3.0		ug/L			04/30/21 00:30	1
4-Methyl-2-pentanone	ND		10		ug/L			04/30/21 00:30	1
Acetone	ND		10		ug/L			04/30/21 00:30	1
Acrylonitrile	ND		10		ug/L			04/30/21 00:30	1
Benzene	ND		0.20		ug/L			04/30/21 00:30	1
Bromochloromethane	ND		0.20		ug/L			04/30/21 00:30	1
Bromodichloromethane	ND		0.20		ug/L			04/30/21 00:30	1
Bromoform	ND		0.50		ug/L			04/30/21 00:30	1
Bromomethane	ND		0.50		ug/L			04/30/21 00:30	1
Carbon disulfide	ND		0.30		ug/L			04/30/21 00:30	1
Carbon tetrachloride	ND		0.20		ug/L			04/30/21 00:30	1
Chlorobenzene	ND		0.20		ug/L			04/30/21 00:30	1
Chloroethane	ND		0.50		ug/L			04/30/21 00:30	1
Chloroform	ND		0.20		ug/L			04/30/21 00:30	1
Chloromethane	ND		0.50		ug/L			04/30/21 00:30	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 00:30	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 00:30	1
Dibromochloromethane	ND		0.20		ug/L			04/30/21 00:30	1
Dibromomethane	ND		0.20		ug/L			04/30/21 00:30	1
Ethylbenzene	ND		0.20		ug/L			04/30/21 00:30	1
m,p-Xylene	ND		0.50		ug/L			04/30/21 00:30	1
Methyl iodide	ND		0.50		ug/L			04/30/21 00:30	1
Methylene Chloride	ND		5.0		ug/L			04/30/21 00:30	1
o-Xylene	ND		0.50		ug/L			04/30/21 00:30	1
Styrene	ND		1.0		ug/L			04/30/21 00:30	1
Tetrachloroethene	ND		0.50		ug/L			04/30/21 00:30	1
Toluene	ND		0.20		ug/L			04/30/21 00:30	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			04/30/21 00:30	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			04/30/21 00:30	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			04/30/21 00:30	1
Trichloroethene	ND		0.20		ug/L			04/30/21 00:30	1
Trichlorofluoromethane	ND		0.50		ug/L			04/30/21 00:30	1
Vinyl acetate	ND		2.0		ug/L			04/30/21 00:30	1
Vinyl chloride	ND		0.020		ug/L			04/30/21 00:30	1

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-355634/7
Matrix: Water
Analysis Batch: 355634

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		04/30/21 00:30	1
4-Bromofluorobenzene (Surr)	100		80 - 120		04/30/21 00:30	1
Dibromofluoromethane (Surr)	96		80 - 120		04/30/21 00:30	1
Toluene-d8 (Surr)	102		80 - 120		04/30/21 00:30	1

Lab Sample ID: LCS 580-355634/4
Matrix: Water
Analysis Batch: 355634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	4.62		ug/L		92	79 - 127
1,1,1-Trichloroethane	5.00	5.41		ug/L		108	79 - 121
1,1,2,2-Tetrachloroethane	5.00	5.02		ug/L		100	76 - 123
1,1,2-Trichloroethane	5.00	5.24		ug/L		105	80 - 127
1,1-Dichloroethane	5.00	5.44		ug/L		109	74 - 120
1,1-Dichloroethene	5.00	5.44		ug/L		109	79 - 120
1,2,3-Trichloropropane	5.00	5.24		ug/L		105	75 - 127
1,2-Dibromo-3-Chloropropane	5.00	4.08		ug/L		82	73 - 123
1,2-Dibromoethane	5.00	5.38		ug/L		108	80 - 126
1,2-Dichlorobenzene	5.00	5.13		ug/L		103	80 - 129
1,2-Dichloroethane	5.00	5.06		ug/L		101	74 - 120
1,2-Dichloropropane	5.00	5.32		ug/L		106	80 - 130
1,4-Dichlorobenzene	5.00	5.20		ug/L		104	80 - 129
2-Butanone	25.0	27.5		ug/L		110	57 - 136
2-Hexanone	25.0	28.2		ug/L		113	56 - 144
4-Methyl-2-pentanone	25.0	27.6		ug/L		111	78 - 127
Acetone	25.0	25.5		ug/L		102	49 - 150
Acrylonitrile	50.0	57.3		ug/L		115	62 - 145
Benzene	5.00	5.44		ug/L		109	73 - 120
Bromochloromethane	5.00	5.27		ug/L		105	79 - 131
Bromodichloromethane	5.00	4.78		ug/L		96	74 - 120
Bromoform	5.00	2.75	*-	ug/L		55	69 - 125
Bromomethane	5.00	5.57		ug/L		111	68 - 131
Carbon disulfide	5.00	5.78		ug/L		116	75 - 128
Carbon tetrachloride	5.00	5.01		ug/L		100	78 - 120
Chlorobenzene	5.00	5.09		ug/L		102	80 - 123
Chloroethane	5.00	5.52		ug/L		110	70 - 135
Chloroform	5.00	5.34		ug/L		107	80 - 130
Chloromethane	5.00	6.98	*+	ug/L		140	66 - 134
cis-1,2-Dichloroethene	5.00	5.20		ug/L		104	72 - 130
cis-1,3-Dichloropropene	5.00	4.53		ug/L		91	77 - 120
Dibromochloromethane	5.00	3.89		ug/L		78	76 - 126
Dibromomethane	5.00	5.27		ug/L		105	65 - 141
Ethylbenzene	5.00	5.41		ug/L		108	80 - 130
m,p-Xylene	5.00	5.80		ug/L		116	86 - 130
Methyl iodide	5.00	5.54		ug/L		111	60 - 133
Methylene Chloride	5.00	5.77		ug/L		115	68 - 134
o-Xylene	5.00	5.27		ug/L		105	80 - 133

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355634/4
Matrix: Water
Analysis Batch: 355634

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	5.24		ug/L		105	74 - 136
Tetrachloroethene	5.00	5.09		ug/L		102	75 - 131
Toluene	5.00	5.33		ug/L		107	80 - 126
trans-1,2-Dichloroethene	5.00	5.29		ug/L		106	63 - 133
trans-1,3-Dichloropropene	5.00	4.53		ug/L		91	71 - 128
trans-1,4-Dichloro-2-butene	5.00	0.655	J *-	ug/L		13	45 - 144
Trichloroethene	5.00	4.93		ug/L		99	72 - 136
Trichlorofluoromethane	5.00	5.35		ug/L		107	75 - 120
Vinyl acetate	12.5	13.3		ug/L		106	60 - 138
Vinyl chloride	5.00	6.04		ug/L		121	69 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-355634/5
Matrix: Water
Analysis Batch: 355634

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	4.63		ug/L		93	79 - 127	0	11
1,1,1-Trichloroethane	5.00	5.32		ug/L		106	79 - 121	2	14
1,1,2,2-Tetrachloroethane	5.00	5.27		ug/L		105	76 - 123	5	10
1,1,2-Trichloroethane	5.00	5.39		ug/L		108	80 - 127	3	10
1,1-Dichloroethane	5.00	5.36		ug/L		107	74 - 120	2	10
1,1-Dichloroethene	5.00	5.49		ug/L		110	79 - 120	1	17
1,2,3-Trichloropropane	5.00	5.66		ug/L		113	75 - 127	8	12
1,2-Dibromo-3-Chloropropane	5.00	4.31		ug/L		86	73 - 123	5	16
1,2-Dibromoethane	5.00	5.54		ug/L		111	80 - 126	3	11
1,2-Dichlorobenzene	5.00	5.25		ug/L		105	80 - 129	2	10
1,2-Dichloroethane	5.00	5.17		ug/L		103	74 - 120	2	10
1,2-Dichloropropane	5.00	5.31		ug/L		106	80 - 130	0	14
1,4-Dichlorobenzene	5.00	5.27		ug/L		105	80 - 129	1	11
2-Butanone	25.0	28.9		ug/L		116	57 - 136	5	23
2-Hexanone	25.0	30.6		ug/L		122	56 - 144	8	21
4-Methyl-2-pentanone	25.0	29.5		ug/L		118	78 - 127	7	12
Acetone	25.0	27.2		ug/L		109	49 - 150	6	24
Acrylonitrile	50.0	59.9		ug/L		120	62 - 145	4	14
Benzene	5.00	5.39		ug/L		108	73 - 120	1	10
Bromochloromethane	5.00	5.32		ug/L		106	79 - 131	1	10
Bromodichloromethane	5.00	4.74		ug/L		95	74 - 120	1	10
Bromoform	5.00	2.67	*-	ug/L		53	69 - 125	3	10
Bromomethane	5.00	5.61		ug/L		112	68 - 131	1	18
Carbon disulfide	5.00	5.63		ug/L		113	75 - 128	3	14
Carbon tetrachloride	5.00	4.84		ug/L		97	78 - 120	3	10
Chlorobenzene	5.00	5.10		ug/L		102	80 - 123	0	12

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-355634/5
Matrix: Water
Analysis Batch: 355634

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	5.51		ug/L		110	70 - 135	0	20
Chloroform			5.00	5.29		ug/L		106	80 - 130	1	10
Chloromethane			5.00	6.80	*+	ug/L		136	66 - 134	3	16
cis-1,2-Dichloroethene			5.00	5.17		ug/L		103	72 - 130	1	10
cis-1,3-Dichloropropene			5.00	4.49		ug/L		90	77 - 120	1	10
Dibromochloromethane			5.00	3.85		ug/L		77	76 - 126	1	10
Dibromomethane			5.00	5.38		ug/L		108	65 - 141	2	10
Ethylbenzene			5.00	5.36		ug/L		107	80 - 130	1	10
m,p-Xylene			5.00	5.71		ug/L		114	86 - 130	2	10
Methyl iodide			5.00	5.57		ug/L		111	60 - 133	1	10
Methylene Chloride			5.00	5.83		ug/L		117	68 - 134	1	18
o-Xylene			5.00	5.24		ug/L		105	80 - 133	0	10
Styrene			5.00	5.24		ug/L		105	74 - 136	0	10
Tetrachloroethene			5.00	5.01		ug/L		100	75 - 131	2	20
Toluene			5.00	5.35		ug/L		107	80 - 126	0	20
trans-1,2-Dichloroethene			5.00	5.21		ug/L		104	63 - 133	2	17
trans-1,3-Dichloropropene			5.00	4.53		ug/L		91	71 - 128	0	16
trans-1,4-Dichloro-2-butene			5.00	0.779	J *-	ug/L		16	45 - 144	17	31
Trichloroethene			5.00	4.97		ug/L		99	72 - 136	1	14
Trichlorofluoromethane			5.00	5.29		ug/L		106	75 - 120	1	13
Vinyl acetate			12.5	12.0		ug/L		96	60 - 138	10	22
Vinyl chloride			5.00	6.11		ug/L		122	69 - 128	1	21

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-355672/7
Matrix: Water
Analysis Batch: 355672

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/03/21 12:17	1
Chloromethane	ND		0.50		ug/L			05/03/21 12:17	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/03/21 12:17	1
Trichloroethene	ND		0.20		ug/L			05/03/21 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*05/03/21 12:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/03/21 12:17*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/03/21 12:17*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/03/21 12:17*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355672/4
Matrix: Water
Analysis Batch: 355672

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromoform			5.00	4.80		ug/L		96	69 - 125		
Chloromethane			5.00	7.59	*+	ug/L		152	66 - 134		
trans-1,4-Dichloro-2-butene			5.00	3.76		ug/L		75	45 - 144		
Trichloroethene			5.00	4.84		ug/L		97	72 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-355672/5
Matrix: Water
Analysis Batch: 355672

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
Bromoform			5.00	4.75		ug/L		95	69 - 125	1	10
Chloromethane			5.00	7.24	*+	ug/L		145	66 - 134	5	16
trans-1,4-Dichloro-2-butene			5.00	3.85		ug/L		77	45 - 144	2	31
Trichloroethene			5.00	4.56		ug/L		91	72 - 136	6	14

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-355781/7
Matrix: Water
Analysis Batch: 355781

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		0.50		ug/L			05/04/21 13:00	1
Chloromethane	ND		0.50		ug/L			05/04/21 13:00	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			05/04/21 13:00	1
Trichlorofluoromethane	ND		0.50		ug/L			05/04/21 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/04/21 13:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/04/21 13:00*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*05/04/21 13:00*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/04/21 13:00*	*1*

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355781/4
Matrix: Water
Analysis Batch: 355781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Bromoform			5.00	4.22		ug/L		84	69 - 125		
Chloromethane			5.00	7.81	*+	ug/L		156	66 - 134		
trans-1,4-Dichloro-2-butene			5.00	3.40		ug/L		68	45 - 144		
Trichlorofluoromethane			5.00	5.09		ug/L		102	75 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-355781/5
Matrix: Water
Analysis Batch: 355781

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
Bromoform			5.00	4.36		ug/L		87	69 - 125	3	10
Chloromethane			5.00	7.88	*+	ug/L		158	66 - 134	1	16
trans-1,4-Dichloro-2-butene			5.00	3.29		ug/L		66	45 - 144	3	31
Trichlorofluoromethane			5.00	5.24		ug/L		105	75 - 120	3	13

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-355837/6
Matrix: Water
Analysis Batch: 355837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.50		ug/L			05/05/21 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/05/21 12:23*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*05/05/21 12:23*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*05/05/21 12:23*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/05/21 12:23*	*1*

Lab Sample ID: LCS 580-355837/3
Matrix: Water
Analysis Batch: 355837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Trichlorofluoromethane			5.00	4.67		ug/L		93	75 - 120		

Method: 8260C LL - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-355837/3
Matrix: Water
Analysis Batch: 355837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 580-355837/4
Matrix: Water
Analysis Batch: 355837

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
Trichlorofluoromethane			5.00	4.53		ug/L		91	75 - 120	3	13

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-355580/22-A
Matrix: Water
Analysis Batch: 355790

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 355580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		05/01/21 10:37	05/03/21 16:48	1
Iron	ND		0.30		mg/L		05/01/21 10:37	05/03/21 16:48	1
Magnesium	ND		0.50		mg/L		05/01/21 10:37	05/03/21 16:48	1
Manganese	ND		0.020		mg/L		05/01/21 10:37	05/03/21 16:48	1
Potassium	ND		3.3		mg/L		05/01/21 10:37	05/03/21 16:48	1
Sodium	ND		0.50		mg/L		05/01/21 10:37	05/03/21 16:48	1

Lab Sample ID: LCS 580-355580/23-A
Matrix: Water
Analysis Batch: 355790

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 355580

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium			20.0	22.0		mg/L		110	80 - 120
Iron			20.0	21.7		mg/L		109	80 - 120
Magnesium			20.0	21.8		mg/L		109	80 - 120
Manganese			1.00	1.10		mg/L		110	80 - 120
Potassium			20.0	21.2		mg/L		106	80 - 120
Sodium			20.0	21.4		mg/L		107	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-355580/24-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 355790
Prep Batch: 355580

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium			20.0	22.2		mg/L		111	80 - 120	1	20
Iron			20.0	22.1		mg/L		110	80 - 120	2	20
Magnesium			20.0	21.9		mg/L		110	80 - 120	1	20
Manganese			1.00	1.11		mg/L		111	80 - 120	1	20
Potassium			20.0	21.4		mg/L		107	80 - 120	1	20
Sodium			20.0	21.9		mg/L		109	80 - 120	2	20

Lab Sample ID: 580-102586-1 MS
Client Sample ID: 0421-11
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 355790
Prep Batch: 355580

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	130		20.0	147	4	mg/L		98	80 - 120
Iron	ND		20.0	21.9		mg/L		110	80 - 120
Magnesium	98		20.0	117	4	mg/L		98	80 - 120
Manganese	0.16		1.00	1.25		mg/L		108	80 - 120
Potassium	11		20.0	32.1		mg/L		107	80 - 120
Sodium	50		20.0	70.8		mg/L		105	80 - 120

Lab Sample ID: 580-102586-1 MSD
Client Sample ID: 0421-11
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 355790
Prep Batch: 355580

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	130		20.0	145	4	mg/L		90	80 - 120	1	20
Iron	ND		20.0	21.2		mg/L		106	80 - 120	4	20
Magnesium	98		20.0	116	4	mg/L		92	80 - 120	1	20
Manganese	0.16		1.00	1.23		mg/L		106	80 - 120	2	20
Potassium	11		20.0	31.4		mg/L		104	80 - 120	2	20
Sodium	50		20.0	70.2		mg/L		102	80 - 120	1	20

Lab Sample ID: 580-102586-1 DU
Client Sample ID: 0421-11
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 355790
Prep Batch: 355580

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	130		129		mg/L		1	20
Iron	ND		ND		mg/L		NC	20
Magnesium	98		99.2		mg/L		2	20
Manganese	0.16		0.165		mg/L		1	20
Potassium	11		10.8		mg/L		2	20
Sodium	50		50.6		mg/L		2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-355581/22-A
Matrix: Water
Analysis Batch: 355695

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 355581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 15:29	1
Antimony	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 15:29	1
Barium	ND		0.0012		mg/L		05/01/21 11:04	05/03/21 15:29	1
Beryllium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 15:29	1
Cadmium	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 15:29	1
Chromium	ND		0.00080		mg/L		05/01/21 11:04	05/03/21 15:29	1
Cobalt	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 15:29	1
Copper	ND		0.0020		mg/L		05/01/21 11:04	05/03/21 15:29	1
Lead	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 15:29	1
Nickel	ND		0.0030		mg/L		05/01/21 11:04	05/03/21 15:29	1
Selenium	ND		0.0080		mg/L		05/01/21 11:04	05/03/21 15:29	1
Silver	ND		0.00040		mg/L		05/01/21 11:04	05/03/21 15:29	1
Thallium	ND		0.0010		mg/L		05/01/21 11:04	05/03/21 15:29	1
Vanadium	ND		0.0040		mg/L		05/01/21 11:04	05/03/21 15:29	1
Zinc	ND		0.0070		mg/L		05/01/21 11:04	05/03/21 15:29	1

Lab Sample ID: LCS 580-355581/23-A
Matrix: Water
Analysis Batch: 355695

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 355581

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			1.00	1.02		mg/L		102	80 - 120		
Antimony			1.00	0.982		mg/L		98	80 - 120		
Barium			1.00	0.994		mg/L		99	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	1.08		mg/L		108	80 - 120		
Cobalt			1.00	1.01		mg/L		101	80 - 120		
Copper			1.00	1.03		mg/L		103	80 - 120		
Lead			1.00	1.03		mg/L		103	80 - 120		
Nickel			1.00	1.08		mg/L		108	80 - 120		
Selenium			1.00	1.05		mg/L		105	80 - 120		
Silver			1.00	1.02		mg/L		102	80 - 120		
Thallium			1.00	0.999		mg/L		100	80 - 120		
Vanadium			1.00	1.08		mg/L		108	80 - 120		
Zinc			1.00	1.08		mg/L		108	80 - 120		

Lab Sample ID: LCSD 580-355581/24-A
Matrix: Water
Analysis Batch: 355695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 355581

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			1.00	1.01		mg/L		101	80 - 120	1	20
Antimony			1.00	0.963		mg/L		96	80 - 120	2	20
Barium			1.00	0.990		mg/L		99	80 - 120	0	20
Beryllium			1.00	1.01		mg/L		101	80 - 120	1	20
Cadmium			1.00	1.01		mg/L		101	80 - 120	1	20
Chromium			1.00	1.07		mg/L		107	80 - 120	1	20
Cobalt			1.00	1.01		mg/L		101	80 - 120	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-355581/24-A
Matrix: Water
Analysis Batch: 355695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 355581

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper			1.00	1.02		mg/L		102	80 - 120	1	20
Lead			1.00	1.02		mg/L		102	80 - 120	1	20
Nickel			1.00	1.07		mg/L		107	80 - 120	1	20
Selenium			1.00	1.02		mg/L		102	80 - 120	4	20
Silver			1.00	1.01		mg/L		101	80 - 120	1	20
Thallium			1.00	0.987		mg/L		99	80 - 120	1	20
Vanadium			1.00	1.07		mg/L		107	80 - 120	1	20
Zinc			1.00	1.06		mg/L		106	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-354915/3
Matrix: Water
Analysis Batch: 354915

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			04/21/21 16:21	1
Chloride	ND		1.5		mg/L			04/21/21 16:21	1
Sulfate	ND		1.5		mg/L			04/21/21 16:21	1

Lab Sample ID: LCS 580-354915/4
Matrix: Water
Analysis Batch: 354915

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	4.91		mg/L		98	90 - 110		
Chloride			50.0	51.8		mg/L		104	90 - 110		
Sulfate			50.0	49.8		mg/L		100	90 - 110		

Lab Sample ID: LCSD 580-354915/24
Matrix: Water
Analysis Batch: 354915

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	4.64		mg/L		93	90 - 110	6	15
Chloride			50.0	46.6		mg/L		93	90 - 110	10	15
Sulfate			50.0	54.8		mg/L		110	90 - 110	10	15

Lab Sample ID: 580-102586-5 MS
Matrix: Water
Analysis Batch: 354915

Client Sample ID: 0421-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	ND		5.00	5.49		mg/L		108	90 - 110		
Chloride	42	F1	50.0	82.5	F1	mg/L		80	90 - 110		
Sulfate	78	F1	50.0	127		mg/L		99	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-102586-5 MSD — **Client Sample ID: 0421-21**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	ND		5.00	5.47		mg/L		108	90 - 110	0	15
Chloride	42	F1	50.0	88.7		mg/L		93	90 - 110	7	15
Sulfate	78	F1	50.0	117	F1	mg/L		79	90 - 110	8	15

Lab Sample ID: MB 580-354916/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354916

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.40		mg/L			04/21/21 16:21	1

Lab Sample ID: LCS 580-354916/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354916

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	10.0	10.4		mg/L		104	90 - 110

Lab Sample ID: LCSD 580-354916/24 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354916

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	10.0	9.60		mg/L		96	90 - 110	8	15

Lab Sample ID: 580-102586-5 MS — **Client Sample ID: 0421-21**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354916

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	8.8	F1	10.0	17.4	F1	mg/L		87	90 - 110

Lab Sample ID: 580-102586-5 MSD — **Client Sample ID: 0421-21**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 354916

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	8.8	F1	10.0	18.9		mg/L		101	90 - 110	8	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-354989/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 355011 — **Prep Batch: 354989**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		04/23/21 13:33	04/23/21 18:32	1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 580-354989/2-A
Matrix: Water
Analysis Batch: 355011
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 354989

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	1.89		mg/L		95	90 - 110		

Lab Sample ID: 580-102586-1 MS
Matrix: Water
Analysis Batch: 355011
Client Sample ID: 0421-11
Prep Type: Total/NA
Prep Batch: 354989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	ND	F1	2.00	1.75	F1	mg/L		88	90 - 110		

Lab Sample ID: 580-102586-1 MSD
Matrix: Water
Analysis Batch: 355011
Client Sample ID: 0421-11
Prep Type: Total/NA
Prep Batch: 354989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND	F1	2.00	1.69	F1	mg/L		85	90 - 110	3	20

Lab Sample ID: 580-102586-1 DU
Matrix: Water
Analysis Batch: 355011
Client Sample ID: 0421-11
Prep Type: Total/NA
Prep Batch: 354989

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	ND	F1		ND		mg/L				NC	20

Lab Sample ID: MB 580-355528/1-A
Matrix: Water
Analysis Batch: 355546
Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 355528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		04/30/21 13:52	04/30/21 16:08	1

Lab Sample ID: LCS 580-355528/2-A
Matrix: Water
Analysis Batch: 355546
Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 355528

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	1.90		mg/L		95	90 - 110		

Lab Sample ID: 580-102586-9 MS
Matrix: Water
Analysis Batch: 355546
Client Sample ID: 0421-04
Prep Type: Total/NA
Prep Batch: 355528

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	ND	F1	2.00	2.09		mg/L		91	90 - 110		

Lab Sample ID: 580-102586-9 MSD
Matrix: Water
Analysis Batch: 355546
Client Sample ID: 0421-04
Prep Type: Total/NA
Prep Batch: 355528

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND	F1	2.00	1.89	F1	mg/L		81	90 - 110	10	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: 580-102586-9 DU
Matrix: Water
Analysis Batch: 355546

Client Sample ID: 0421-04
Prep Type: Total/NA
Prep Batch: 355528

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	ND	F1		ND		mg/L				NC	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-355547/2
Matrix: Water
Analysis Batch: 355547

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			100	93.7		mg/L		94	85 - 115		

Lab Sample ID: LCSD 580-355547/3
Matrix: Water
Analysis Batch: 355547

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	96.4		mg/L		96	85 - 115	3	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-354910/2
Matrix: Water
Analysis Batch: 354910

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			04/22/21 15:41	1

Lab Sample ID: LCS 580-354910/3
Matrix: Water
Analysis Batch: 354910

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	1010		mg/L		101	80 - 120		

Lab Sample ID: 580-102586-8 DU
Matrix: Water
Analysis Batch: 354910

Client Sample ID: 0421-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	350			350		mg/L				1	20

Lab Sample ID: 580-102586-9 DU
Matrix: Water
Analysis Batch: 354910

Client Sample ID: 0421-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	340			306		mg/L				12	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-354896/3-A
Matrix: Water
Analysis Batch: 354930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 354896

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		04/22/21 14:13	04/22/21 18:34	1

Lab Sample ID: LCS 580-354896/4-A
Matrix: Water
Analysis Batch: 354930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 354896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	69.6		mg/L		93	80 - 120

Lab Sample ID: LCSD 580-354896/5-A
Matrix: Water
Analysis Batch: 354930

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 354896

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	68.2		mg/L		91	80 - 120	2	20

Method: SM 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 400-529992/38
Matrix: Water
Analysis Batch: 529992

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			04/30/21 18:38	1

Lab Sample ID: MB 400-529992/5
Matrix: Water
Analysis Batch: 529992

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			04/30/21 18:38	1

Lab Sample ID: LCS 400-529992/39
Matrix: Water
Analysis Batch: 529992

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	20.0	19.1		mg/L		96	85 - 115

Lab Sample ID: LCS 400-529992/6
Matrix: Water
Analysis Batch: 529992

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	20.0	19.0		mg/L		95	85 - 115

Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MRL 400-529992/3
Matrix: Water
Analysis Batch: 529992

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	ND		mg/L		89	50 - 150		

Lab Sample ID: 580-102586-3 MS
Matrix: Water
Analysis Batch: 529992

Client Sample ID: 0421-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	2.3		5.00	7.35		mg/L		102	76 - 117		

Lab Sample ID: 580-102586-3 MSD
Matrix: Water
Analysis Batch: 529992

Client Sample ID: 0421-13
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	2.3		5.00	7.37		mg/L		102	76 - 117	0	16

Lab Chronicle

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-11
Lab Sample ID: 580-102586-1
Date Collected: 04/20/21 10:55
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 04:13	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355672	05/03/21 16:12	K1G	TAL SEA
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 16:57	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:15	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 17:19	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 17:19	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-12
Lab Sample ID: 580-102586-2
Date Collected: 04/20/21 12:45
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 04:38	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355672	05/03/21 16:37	K1G	TAL SEA
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:25	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:19	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 18:18	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 18:18	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-13
Lab Sample ID: 580-102586-3
Date Collected: 04/20/21 13:32
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 05:03	K1G	TAL SEA

Lab Chronicle

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-13
Lab Sample ID: 580-102586-3
Date Collected: 04/20/21 13:32
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL	RA	1	355672	05/03/21 17:02	K1G	TAL SEA
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:29	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:23	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 18:29	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 18:29	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-22
Lab Sample ID: 580-102586-4
Date Collected: 04/20/21 14:48
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 05:27	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355672	05/03/21 17:26	K1G	TAL SEA
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:32	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:26	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 18:53	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 18:53	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:14	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-21
Lab Sample ID: 580-102586-5
Date Collected: 04/20/21 15:48
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 05:52	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355672	05/03/21 17:51	K1G	TAL SEA

Lab Chronicle

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-21
Lab Sample ID: 580-102586-5
Date Collected: 04/20/21 15:48
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:35	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:30	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 19:16	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 19:16	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:48	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-05
Lab Sample ID: 580-102586-6
Date Collected: 04/20/21 11:44
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL	DL	5	355837	05/05/21 17:56	CJ	TAL SEA
Total/NA	Analysis	8260C LL		1	355634	04/30/21 06:17	K1G	TAL SEA
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:38	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:34	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 17:54	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 17:54	AAC	TAL SEA
Total/NA	Analysis	300.0		10	354915	04/22/21 14:46	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:48	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-14
Lab Sample ID: 580-102586-7
Date Collected: 04/20/21 12:44
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 06:42	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355781	05/04/21 13:24	K1G	TAL SEA

Lab Chronicle

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-14
Lab Sample ID: 580-102586-7
Date Collected: 04/20/21 12:44
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:42	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:53	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 18:06	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 18:06	AAC	TAL SEA
Total/NA	Analysis	300.0		10	354916	04/22/21 14:34	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:48	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-02
Lab Sample ID: 580-102586-8
Date Collected: 04/20/21 13:50
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 07:07	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355781	05/04/21 13:49	K1G	TAL SEA
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:45	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 16:57	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 18:41	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 18:41	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			354989	04/23/21 13:33	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355011	04/23/21 18:32	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:48	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: 0421-04
Lab Sample ID: 580-102586-9
Date Collected: 04/20/21 14:55
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 08:46	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355781	05/04/21 14:15	K1G	TAL SEA

Lab Chronicle

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Client Sample ID: 0421-04
Lab Sample ID: 580-102586-9
Date Collected: 04/20/21 14:55
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			355580	05/01/21 10:37	JCP	TAL SEA
Dissolved	Analysis	6010D		1	355790	05/03/21 17:48	C1K	TAL SEA
Total Recoverable	Prep	3005A			355581	05/01/21 11:04	JCP	TAL SEA
Total Recoverable	Analysis	6020B		1	355695	05/03/21 17:01	FCW	TAL SEA
Total/NA	Analysis	300.0		1	354915	04/21/21 19:05	AAC	TAL SEA
Total/NA	Analysis	300.0		1	354916	04/21/21 19:05	AAC	TAL SEA
Total/NA	Prep	Distill/Ammonia			355528	04/30/21 13:52	MLT	TAL SEA
Total/NA	Analysis	350.1		1	355546	04/30/21 16:08	MLT	TAL SEA
Total/NA	Analysis	SM 2320B		1	355547	04/30/21 16:19	MLT	TAL SEA
Total/NA	Analysis	SM 2540C		1	354910	04/22/21 15:41	HCC	TAL SEA
Total/NA	Prep	SM 5220			354896	04/22/21 14:48	MLT	TAL SEA
Total/NA	Analysis	SM 5220D		1	354930	04/22/21 18:34	MLT	TAL SEA
Total/NA	Analysis	SM 5310B		1	529992	04/30/21 18:38	DEK	TAL PEN

Client Sample ID: Trip Blank
Lab Sample ID: 580-102586-10
Date Collected: 04/20/21 00:01
Matrix: Water
Date Received: 04/21/21 11:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C LL		1	355634	04/30/21 01:20	K1G	TAL SEA
Total/NA	Analysis	8260C LL	RA	1	355672	05/03/21 15:23	K1G	TAL SEA

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Laboratory: Eurofins FGS, 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	07-13-21

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
8260C LL		Water	1,1,1,2-Tetrachloroethane
8260C LL		Water	1,1,1-Trichloroethane
8260C LL		Water	1,1,2,2-Tetrachloroethane
8260C LL		Water	1,1,2-Trichloroethane
8260C LL		Water	1,1-Dichloroethane
8260C LL		Water	1,1-Dichloroethene
8260C LL		Water	1,2,3-Trichloropropane
8260C LL		Water	1,2-Dibromo-3-Chloropropane
8260C LL		Water	1,2-Dibromoethane
8260C LL		Water	1,2-Dichlorobenzene
8260C LL		Water	1,2-Dichloroethane
8260C LL		Water	1,2-Dichloropropane
8260C LL		Water	1,4-Dichlorobenzene
8260C LL		Water	2-Butanone
8260C LL		Water	2-Hexanone
8260C LL		Water	4-Methyl-2-pentanone
8260C LL		Water	Acetone
8260C LL		Water	Acrylonitrile
8260C LL		Water	Benzene
8260C LL		Water	Bromochloromethane
8260C LL		Water	Bromodichloromethane
8260C LL		Water	Bromoform
8260C LL		Water	Bromomethane
8260C LL		Water	Carbon disulfide
8260C LL		Water	Carbon tetrachloride
8260C LL		Water	Chlorobenzene
8260C LL		Water	Chloroethane
8260C LL		Water	Chloroform
8260C LL		Water	Chloromethane
8260C LL		Water	cis-1,2-Dichloroethene
8260C LL		Water	cis-1,3-Dichloropropene
8260C LL		Water	Dibromochloromethane
8260C LL		Water	Dibromomethane
8260C LL		Water	Ethylbenzene
8260C LL		Water	m,p-Xylene
8260C LL		Water	Methyl iodide
8260C LL		Water	Methylene Chloride
8260C LL		Water	o-Xylene
8260C LL		Water	Styrene
8260C LL		Water	Tetrachloroethene
8260C LL		Water	Toluene

Accreditation/Certification Summary

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Laboratory: Eurofins FGS, Seattle (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C788	07-13-21
8260C LL	Water	trans-1,2-Dichloroethene	
8260C LL	Water	trans-1,3-Dichloropropene	
8260C LL	Water	trans-1,4-Dichloro-2-butene	
8260C LL	Water	Trichloroethene	
8260C LL	Water	Trichlorofluoromethane	
8260C LL	Water	Vinyl acetate	
8260C LL	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 TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-21-00056	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Sample Summary

Client: SCS Engineers
Job ID: 580-102586-1
Project/Site: Coupeville Solid Waste Facility Groundwa

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-102586-1	0421-11	Water	04/20/21 10:55	04/21/21 11:14	
580-102586-2	0421-12	Water	04/20/21 12:45	04/21/21 11:14	
580-102586-3	0421-13	Water	04/20/21 13:32	04/21/21 11:14	
580-102586-4	0421-22	Water	04/20/21 14:48	04/21/21 11:14	
580-102586-5	0421-21	Water	04/20/21 15:48	04/21/21 11:14	
580-102586-6	0421-05	Water	04/20/21 11:44	04/21/21 11:14	
580-102586-7	0421-14	Water	04/20/21 12:44	04/21/21 11:14	
580-102586-8	0421-02	Water	04/20/21 13:50	04/21/21 11:14	
580-102586-9	0421-04	Water	04/20/21 14:55	04/21/21 11:14	
580-102586-10	Trip Blank	Water	04/20/21 00:01	04/21/21 11:14	

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information

Client Contact: Mr. Sam Graber	Sampler: Sam G. + AL	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-42914-13705.2
Company: SCS Engineers	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin:	Page: Page 2 ~~of 3~~ 1 of 1
Address: 2405 140th Avenue NE Suite 107	PWSID:			Job #: 04207033.14
City: Bellevue	Due Date Requested: Standard			
State, Zip: WA, 98005-1877	TAT Requested (days):			
Phone: 425-289-5455(Tel)	Compliance Project: Δ Yes Δ No			
Email: SGraber@scsengineers.com	PO #: Purchase Order not required			
Project Name: Coupeville 2Q20	WO #:			
Site: Washington	Project #: 58009563			
	SSOW#:			

Analysis Requested

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, 5220D	2320B, 300.0_28D, 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	353.2 - (MOD) Nitrogen, Nitrate-Nitrite	Total Number of containers	Special Instructions
			Preservation Code:		X	X	S	N	D	D	S	A	N	N	S		
0421-11	4/20/21	1055	G	Water	Y	N	X	X	X	X	X	X	X	X		10	
0421-12		1245		Water													
0421-13		1332		Water													
0421-22		1448		Water													
0421-21		1548		Water													
0421-05		1144		Water													
0421-14		1244		Water													
0421-02		1350		Water													
0421-04		1455	↓	Water	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
Trip Blank	↓	—	—	Water	N	↓						↓				2	
				Water													

Preservation Codes:

A - HCL	M - Hexane	Other:	
B - NaOH	N - None		
C - Zn Acetate	O - AsNaO		
D - Nitric Acid	P - Na2O4		
E - NaHSO4	Q - Na2SO		
F - MeOH	R - Na2S2		
G - Amchlor	S - H2SO4		
H - Ascorbic Acid	T - TSP Do		
I - Ice	U - Aceton		
J - DI Water	V - MCAA		
K - EDTA	W - pH 4-5		
L - EDA	Z - other (s		

Therm. ID: AR Cor: 2.5 ° Unc: 2.6 °
Cooler Dsc: Cust. Seal: Yes ___ No X
Packing: Bubble Wrap FedEx: ___
Blue Ice, Wet, Dry, None UPS: ___
Other: ___ Lab Cour: X

Therm. ID: TR9 Cor: 4.1 ° Unc: 3.9 °
Cooler Dsc: Cust. Seal: Yes ___ No X
Packing: Bubble + Bags FedEx: ___
Blue Ice, Wet, Dry, None UPS: ___
Other: ___ Lab Cour: X

Therm. ID: TR6 Cor: 4.0 ° Unc: 4.5 °
Cooler Dsc: Cust. Seal: Yes ___ No X
Packing: Bubble Wrap FedEx: ___
Blue Ice, Wet, Dry, None UPS: ___
Other: ___ Lab Cour: 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: 4/20/21 930	Company SCS	Received by:	Date/Time: 4/21/21 11:14	Company EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:		Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C a

580-102586 Chain of Custody

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-89507.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 580-102586-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 5/4/2021			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Coupeville Solid Waste Facility Groundwa	Project #: 58009563			
Site: Island County-CSWF-Q1 & Q3	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 - 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)	SM5310B/ Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
0421-11 (580-102586-1)	4/20/21	10:55 Pacific		Water			X	1	
0421-12 (580-102586-2)	4/20/21	12:45 Pacific		Water			X	1	
0421-13 (580-102586-3)	4/20/21	13:32 Pacific		Water			X	1	
0421-22 (580-102586-4)	4/20/21	14:48 Pacific		Water			X	1	
0421-21 (580-102586-5)	4/20/21	15:48 Pacific		Water			X	1	
0421-05 (580-102586-6)	4/20/21	11:44 Pacific		Water			X	1	
0421-14 (580-102586-7)	4/20/21	12:44 Pacific		Water			X	1	
0421-02 (580-102586-8)	4/20/21	13:50 Pacific		Water			X	1	
0421-04 (580-102586-9)	4/20/21	14:55 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out 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 Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Frontier Global Sciences 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
	Tom Blankenship	4/28/21	FFGS			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by: Brandon Lowe	Date/Time: 4/29/21 918	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.8 °C IR 9

Ver: 11/01/2020

estAmerica
Temperature Controlle
IF THIS SHIPMENT IS DELAYED IN TRANSIT,
STORE REFRIGERATED (2° TO 8° C / 36° TO 47° F)
TAL-0090(10
ORIGIN ID:TCMA (253) 922-2310
SAMPLE RECEIVING
EUROFINS TESTAMERICA- SEATTLE
5755 8TH ST E
FIFE, WA 98424
UNITED STATES US
SHIP DATE: 28APR21
ACTWGT: 55.00 LB
CAD: 989746/CAFE3409
BILL SENDER
TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC.
3355 MCLEMORE DRIVE
PENSACOLA FL 32514
(850) 474-1001
PO: YES
2.8°C
Ar 189
FedEx
Express
TRK# 0201 5008 1328 5180
THU - 29 APR 10:30A
PRIORITY OVERNIGHT
XH PNSA
32514
FL-US BFM
Part # 159471-434 RIT2 EXP 03/22

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-102586-1

Login Number: 102586
List Number: 1
Creator: Vallelunga, Diana L

List Source: Eurofins TestAmerica, 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.	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	
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.	False	No date or time on COC or sample containers
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: 580-102586-1

Login Number: 102586
List Number: 2
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, Pensacola
List Creation: 04/29/21 01:59 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.	N/A	
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	2.8°C IR9
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.	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

THIRD QTR. 2021 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04207033.14	**Site Name**	Island County Coupeville SWF
Data Validator	Sam Graber	**Data Level**	Level 2
Date	10/6/21	**DV Tier**	Tier 1
QA Document	CSWF Groundwater Sampling, Analysis, and Quality Assurance Project Plan (Revised September 2007)		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
580-104807-1	Metals bottles for samples "-05" and "-07" were received by lab above pH of 2. The samples were preserved to the appropriate pH in the laboratory.	Eurofins TestAmerica, Seattle – Seattle, WA
580-104827-1	No comments.	Eurofins TestAmerica, Seattle – Seattle, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-104807-1	X	X	X	X	X	X
580-104827-1	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	580-104827-1	N/A	See detailed results below.
Trip Blank	580-104807-1	N/A	No detections.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
F1	MS and/or MSD Recovery is outside acceptance limits.	580-104807-1, 580-104827-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-104807-1, 580-104827-1
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentrations; therefore, control limits are not applicable.	580-104807-1
*+	LCS or LCSD is outside acceptance limits, high biased.	580-104807-1

Field Duplicate Evaluation

Analyte	Units	DNR	DNR (Dup)	RPD (%)
Alkalinity	mg/L	290	300	2.3
Arsenic	mg/L	0.0035	0.0036	1.9
Barium	mg/L	0.02	0.02	0.0
Bicarbonate	mg/L	290	300	2.3
Calcium	mg/L	76	76	0.0
Chloride	mg/L	66	67	1.0
Chromium	mg/L	0.0017	0.0017	0.0
Copper	mg/L	0.0027	0.0032	11.6
Fluoride	mg/L	0.23	0.29	16.0
Magnesium	mg/L	44	44	0.0
Nitrate	mg/L	0.44	0.43	1.5
Potassium	mg/L	5.6	5.6	0.0
Sodium	mg/L	29	29	0.0
Sulfate	mg/L	58	58	0.0
Total Dissolved Solids	mg/L	440	410	4.7
Total Organic Carbon	mg/L	3.3	2.3	22.5
Vanadium	mg/L	0.0062	0.0063	1.1

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

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 America

ANALYTICAL REPORT

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-104807-1
Client Project/Site: Coupeville 2Q20

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
8/11/2021 4:51:56 PM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 5
Client Sample Results 6
QC Sample Results 28
Chronicle 51
Certification Summary 55
Sample Summary 56
Chain of Custody 57
Receipt Checklists 59

Job ID: 580-104807-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative
580-104807-1

Comments
No additional comments.

Receipt
The samples were received on 7/28/2021 11:30 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 0.9º C and 4.9º C.

Receipt Exceptions
The reference method requires samples to be preserved to a pH of <2. The total and dissolved metals bottles for the following sampless were received with insufficient preservation at a pH of >2. 0721-05 (580-104807-5) and 0721-07 (580-104807-7). The sample were preserved to the appropriate pH in the laboratory. Reagent # 261535.

GC/MS VOA
Method 8260D: Surrogate recovery for the following sample was outside control limits: (590-15580-D-9 MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260D: The following samples were diluted due to the nature of the sample matrix: (590-15580-E-9), (590-15580-D-9 MS) and (590-15580-D-9 MSD). Elevated reporting limits (RLs) are provided.

Method 8260D: The laboratory control sample (LCS) for analytical batch 580-363841 recovered outside control limits for the following analytes: 1,1-Dichloropropene and m-Xylene & p-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-363841 was outside criteria for the following analyte: Ethylene Dibromide. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-363869 was outside criteria for the following analyte : Ethylene Dibromide. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(is considered estimated.

Method 8260D: The CCVIS for analytical batch 580-364005 recovered outside control limits for the following analyte(s): Dichlorodifluoromethane, Chloroethane, Chloromethane and Bromomethane. Dichlorodifluoromethane, Chloroethane, Chloromethane and Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-363841 recovered above the upper control limit for 1,1-Dichloropropene, m-Xylene & p-Xylene and tert-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 0721-01 (580-104807-1), 0721-02 (580-104807-2), 0721-03 (580-104807-3), (CCVIS 580-363841/3) and (590-15580-E-9).

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-363869 recovered above the upper control limit for m,p-Xylene, N-Propylbenzene and 1,1-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 0721-04 (580-104807-4), 0721-05 (580-104807-5), 0721-06 (580-104807-6), 0721-07 (580-104807-7), 0721-08 (580-104807-8), Trip Blank (580-104807-9) and (CCVIS 580-363869/3).

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-364005 recovered outside acceptance criteria, low biased, for Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-364005 recovered above the upper control limit for

Job ID: 580-104807-1 (Continued)

Laboratory: Eurofins FGS, Seattle (Continued)

N-Propylbenzene, 1,1-Dichloropropene and tert-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (590-15599-F-8).

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: 0721-07 (580-104807-7). Elevated reporting limits (RLs) are provided.

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

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

General Chemistry
Method 300.0: The following sample(s) was diluted due to the abundance of target analytes: Chloride and Sulfate. Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 300.0: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 580-364727 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method SM 5310B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-364646 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

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.

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.

General Chemistry

Qualifier	Qualifier Description
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 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-01
Date Collected: 07/27/21 10:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-1
Matrix: Water

Method: 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			08/03/21 18:05	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/03/21 18:05	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/03/21 18:05	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/03/21 18:05	1
1,1-Dichloroethane	ND		0.20		ug/L			08/03/21 18:05	1
1,1-Dichloroethene	ND		0.20		ug/L			08/03/21 18:05	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/03/21 18:05	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/03/21 18:05	1
1,2-Dibromoethane	ND		0.10		ug/L			08/03/21 18:05	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/03/21 18:05	1
1,2-Dichloroethane	ND		0.20		ug/L			08/03/21 18:05	1
1,2-Dichloropropane	ND		0.20		ug/L			08/03/21 18:05	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/03/21 18:05	1
2-Butanone	ND		10		ug/L			08/03/21 18:05	1
2-Hexanone	ND		3.0		ug/L			08/03/21 18:05	1
4-Methyl-2-pentanone	ND		10		ug/L			08/03/21 18:05	1
Acetone	ND		10		ug/L			08/03/21 18:05	1
Acrylonitrile	ND		10		ug/L			08/03/21 18:05	1
Benzene	ND		0.20		ug/L			08/03/21 18:05	1
Bromochloromethane	ND		0.20		ug/L			08/03/21 18:05	1
Bromodichloromethane	ND		0.20		ug/L			08/03/21 18:05	1
Bromoform	ND		0.50		ug/L			08/03/21 18:05	1
Bromomethane	ND		0.50		ug/L			08/03/21 18:05	1
Carbon disulfide	ND		0.30		ug/L			08/03/21 18:05	1
Carbon tetrachloride	ND		0.20		ug/L			08/03/21 18:05	1
Chlorobenzene	ND		0.20		ug/L			08/03/21 18:05	1
Chloroethane	ND		0.50		ug/L			08/03/21 18:05	1
Chloroform	ND		0.20		ug/L			08/03/21 18:05	1
Chloromethane	ND		0.50		ug/L			08/03/21 18:05	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 18:05	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 18:05	1
Dibromochloromethane	ND		0.20		ug/L			08/03/21 18:05	1
Dibromomethane	ND		0.20		ug/L			08/03/21 18:05	1
Ethylbenzene	ND		0.20		ug/L			08/03/21 18:05	1
m,p-Xylene	ND	*+	0.50		ug/L			08/03/21 18:05	1
Methyl iodide	ND		0.50		ug/L			08/03/21 18:05	1
Methylene Chloride	ND		5.0		ug/L			08/03/21 18:05	1
o-Xylene	ND		0.50		ug/L			08/03/21 18:05	1
Styrene	ND		1.0		ug/L			08/03/21 18:05	1
Tetrachloroethene	ND		0.50		ug/L			08/03/21 18:05	1
Toluene	ND		0.20		ug/L			08/03/21 18:05	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 18:05	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 18:05	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/03/21 18:05	1
Trichloroethene	ND		0.20		ug/L			08/03/21 18:05	1
Trichlorofluoromethane	**0.61**		0.50		ug/L			08/03/21 18:05	1
Vinyl acetate	ND		2.0		ug/L			08/03/21 18:05	1
Vinyl chloride	**0.024**		0.020		ug/L			08/03/21 18:05	1

Client Sample ID: 0721-01
Date Collected: 07/27/21 10:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/03/21 18:05*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/03/21 18:05*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/03/21 18:05*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/03/21 18:05*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50		mg/L		08/03/21 08:35	08/03/21 17:32	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 17:32	1
Magnesium	**68**		0.50		mg/L		08/03/21 08:35	08/03/21 17:32	1
Manganese	**0.026**		0.020		mg/L		08/03/21 08:35	08/03/21 17:32	1
Potassium	**8.4**		3.3		mg/L		08/03/21 08:35	08/03/21 17:32	1
Sodium	**40**		0.50		mg/L		08/03/21 08:35	08/03/21 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0030**		0.0010		mg/L		07/30/21 12:18	08/02/21 14:51	1
Antimony	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:51	1
Barium	**0.030**		0.0012		mg/L		07/30/21 12:18	08/02/21 14:51	1
Beryllium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:51	1
Cadmium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:51	1
Chromium	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:51	1
Cobalt	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:51	1
Copper	ND		0.0020		mg/L		07/30/21 12:18	08/02/21 14:51	1
Lead	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:51	1
Nickel	**0.0046**		0.0030		mg/L		07/30/21 12:18	08/02/21 14:51	1
Selenium	ND		0.0080		mg/L		07/30/21 12:18	08/02/21 14:51	1
Silver	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:51	1
Thallium	ND		0.0010		mg/L		07/30/21 12:18	08/02/21 14:51	1
Vanadium	ND		0.0040		mg/L		07/30/21 12:18	08/02/21 14:51	1
Zinc	ND		0.0070		mg/L		07/30/21 12:18	08/02/21 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			08/10/21 18:57	1
Chloride	**71**		1.5		mg/L			08/10/21 18:57	1
Nitrite as N	ND		0.40		mg/L			07/29/21 09:38	1
Sulfate	**73**		1.5		mg/L			08/10/21 18:57	1
Nitrate as N	**3.5**		0.20		mg/L			07/29/21 09:38	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**4.5**	**F1**	1.5		mg/L			08/10/21 07:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**450**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**450**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**680**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-02
Date Collected: 07/27/21 11:11
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-2
Matrix: Water

Method: 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			08/03/21 18:29	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/03/21 18:29	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/03/21 18:29	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/03/21 18:29	1
1,1-Dichloroethane	ND		0.20		ug/L			08/03/21 18:29	1
1,1-Dichloroethene	ND		0.20		ug/L			08/03/21 18:29	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/03/21 18:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/03/21 18:29	1
1,2-Dibromoethane	ND		0.10		ug/L			08/03/21 18:29	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/03/21 18:29	1
1,2-Dichloroethane	ND		0.20		ug/L			08/03/21 18:29	1
1,2-Dichloropropane	ND		0.20		ug/L			08/03/21 18:29	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/03/21 18:29	1
2-Butanone	ND		10		ug/L			08/03/21 18:29	1
2-Hexanone	ND		3.0		ug/L			08/03/21 18:29	1
4-Methyl-2-pentanone	ND		10		ug/L			08/03/21 18:29	1
Acetone	ND		10		ug/L			08/03/21 18:29	1
Acrylonitrile	ND		10		ug/L			08/03/21 18:29	1
Benzene	ND		0.20		ug/L			08/03/21 18:29	1
Bromochloromethane	ND		0.20		ug/L			08/03/21 18:29	1
Bromodichloromethane	ND		0.20		ug/L			08/03/21 18:29	1
Bromoform	ND		0.50		ug/L			08/03/21 18:29	1
Bromomethane	ND		0.50		ug/L			08/03/21 18:29	1
Carbon disulfide	ND		0.30		ug/L			08/03/21 18:29	1
Carbon tetrachloride	ND		0.20		ug/L			08/03/21 18:29	1
Chlorobenzene	ND		0.20		ug/L			08/03/21 18:29	1
Chloroethane	ND		0.50		ug/L			08/03/21 18:29	1
Chloroform	ND		0.20		ug/L			08/03/21 18:29	1
Chloromethane	ND		0.50		ug/L			08/03/21 18:29	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 18:29	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 18:29	1
Dibromochloromethane	ND		0.20		ug/L			08/03/21 18:29	1
Dibromomethane	ND		0.20		ug/L			08/03/21 18:29	1
Ethylbenzene	ND		0.20		ug/L			08/03/21 18:29	1
m,p-Xylene	ND	*+	0.50		ug/L			08/03/21 18:29	1
Methyl iodide	ND		0.50		ug/L			08/03/21 18:29	1
Methylene Chloride	ND		5.0		ug/L			08/03/21 18:29	1
o-Xylene	ND		0.50		ug/L			08/03/21 18:29	1
Styrene	ND		1.0		ug/L			08/03/21 18:29	1
Tetrachloroethene	ND		0.50		ug/L			08/03/21 18:29	1
Toluene	ND		0.20		ug/L			08/03/21 18:29	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 18:29	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 18:29	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/03/21 18:29	1
Trichloroethene	ND		0.20		ug/L			08/03/21 18:29	1
Trichlorofluoromethane	ND		0.50		ug/L			08/03/21 18:29	1
Vinyl acetate	ND		2.0		ug/L			08/03/21 18:29	1
Vinyl chloride	**0.020**		0.020		ug/L			08/03/21 18:29	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-02
Date Collected: 07/27/21 11:11
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		08/03/21 18:29	1
4-Bromofluorobenzene (Surr)	103		80 - 120		08/03/21 18:29	1
Dibromofluoromethane (Surr)	110		80 - 120		08/03/21 18:29	1
Toluene-d8 (Surr)	101		80 - 120		08/03/21 18:29	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-03
Date Collected: 07/27/21 12:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-3
Matrix: Water

Method: 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			08/03/21 18:54	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/03/21 18:54	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/03/21 18:54	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/03/21 18:54	1
1,1-Dichloroethane	ND		0.20		ug/L			08/03/21 18:54	1
1,1-Dichloroethene	ND		0.20		ug/L			08/03/21 18:54	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/03/21 18:54	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/03/21 18:54	1
1,2-Dibromoethane	ND		0.10		ug/L			08/03/21 18:54	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/03/21 18:54	1
1,2-Dichloroethane	ND		0.20		ug/L			08/03/21 18:54	1
1,2-Dichloropropane	ND		0.20		ug/L			08/03/21 18:54	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/03/21 18:54	1
2-Butanone	ND		10		ug/L			08/03/21 18:54	1
2-Hexanone	ND		3.0		ug/L			08/03/21 18:54	1
4-Methyl-2-pentanone	ND		10		ug/L			08/03/21 18:54	1
Acetone	ND		10		ug/L			08/03/21 18:54	1
Acrylonitrile	ND		10		ug/L			08/03/21 18:54	1
Benzene	ND		0.20		ug/L			08/03/21 18:54	1
Bromochloromethane	ND		0.20		ug/L			08/03/21 18:54	1
Bromodichloromethane	ND		0.20		ug/L			08/03/21 18:54	1
Bromoform	ND		0.50		ug/L			08/03/21 18:54	1
Bromomethane	ND		0.50		ug/L			08/03/21 18:54	1
Carbon disulfide	ND		0.30		ug/L			08/03/21 18:54	1
Carbon tetrachloride	ND		0.20		ug/L			08/03/21 18:54	1
Chlorobenzene	ND		0.20		ug/L			08/03/21 18:54	1
Chloroethane	ND		0.50		ug/L			08/03/21 18:54	1
Chloroform	ND		0.20		ug/L			08/03/21 18:54	1
Chloromethane	ND		0.50		ug/L			08/03/21 18:54	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 18:54	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 18:54	1
Dibromochloromethane	ND		0.20		ug/L			08/03/21 18:54	1
Dibromomethane	ND		0.20		ug/L			08/03/21 18:54	1
Ethylbenzene	ND		0.20		ug/L			08/03/21 18:54	1
m,p-Xylene	ND	*+	0.50		ug/L			08/03/21 18:54	1
Methyl iodide	ND		0.50		ug/L			08/03/21 18:54	1
Methylene Chloride	ND		5.0		ug/L			08/03/21 18:54	1
o-Xylene	ND		0.50		ug/L			08/03/21 18:54	1
Styrene	ND		1.0		ug/L			08/03/21 18:54	1
Tetrachloroethene	ND		0.50		ug/L			08/03/21 18:54	1
Toluene	ND		0.20		ug/L			08/03/21 18:54	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 18:54	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 18:54	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/03/21 18:54	1
Trichloroethene	ND		0.20		ug/L			08/03/21 18:54	1
Trichlorofluoromethane	ND		0.50		ug/L			08/03/21 18:54	1
Vinyl acetate	ND		2.0		ug/L			08/03/21 18:54	1
Vinyl chloride	ND		0.020		ug/L			08/03/21 18:54	1

Client Sample ID: 0721-03
Date Collected: 07/27/21 12:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*08/03/21 18:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/03/21 18:54*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/03/21 18:54*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/03/21 18:54*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**96**		0.50		mg/L		08/03/21 08:35	08/03/21 17:57	1
Iron	**0.86**		0.30		mg/L		08/03/21 08:35	08/03/21 17:57	1
Magnesium	**53**		0.50		mg/L		08/03/21 08:35	08/03/21 17:57	1
Manganese	**0.078**		0.020		mg/L		08/03/21 08:35	08/03/21 17:57	1
Potassium	**7.5**		3.3		mg/L		08/03/21 08:35	08/03/21 17:57	1
Sodium	**29**		0.50		mg/L		08/03/21 08:35	08/03/21 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0063**		0.0010		mg/L		07/30/21 12:18	08/02/21 14:55	1
Antimony	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:55	1
Barium	**0.051**		0.0012		mg/L		07/30/21 12:18	08/02/21 14:55	1
Beryllium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:55	1
Cadmium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:55	1
Chromium	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:55	1
Cobalt	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:55	1
Copper	ND		0.0020		mg/L		07/30/21 12:18	08/02/21 14:55	1
Lead	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:55	1
Nickel	ND		0.0030		mg/L		07/30/21 12:18	08/02/21 14:55	1
Selenium	ND		0.0080		mg/L		07/30/21 12:18	08/02/21 14:55	1
Silver	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:55	1
Thallium	ND		0.0010		mg/L		07/30/21 12:18	08/02/21 14:55	1
Vanadium	ND		0.0040		mg/L		07/30/21 12:18	08/02/21 14:55	1
Zinc	ND		0.0070		mg/L		07/30/21 12:18	08/02/21 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			08/10/21 19:09	1
Chloride	**61**		1.5		mg/L			08/10/21 19:09	1
Nitrite as N	ND		0.40		mg/L			07/29/21 10:01	1
Sulfate	**48**		1.5		mg/L			08/10/21 19:09	1
Nitrate as N	ND		0.20		mg/L			07/29/21 10:01	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**3.2**		1.5		mg/L			08/10/21 08:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**410**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**410**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**510**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-04
Date Collected: 07/27/21 13:05
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-4
Matrix: Water

Method: 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			08/04/21 14:03	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/04/21 14:03	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 14:03	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 14:03	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 14:03	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 14:03	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 14:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 14:03	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 14:03	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 14:03	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 14:03	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 14:03	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 14:03	1
2-Butanone	ND		10		ug/L			08/04/21 14:03	1
2-Hexanone	ND		3.0		ug/L			08/04/21 14:03	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 14:03	1
Acetone	ND		10		ug/L			08/04/21 14:03	1
Acrylonitrile	ND		10		ug/L			08/04/21 14:03	1
Benzene	ND		0.20		ug/L			08/04/21 14:03	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 14:03	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 14:03	1
Bromoform	ND		0.50		ug/L			08/04/21 14:03	1
Bromomethane	ND		0.50		ug/L			08/04/21 14:03	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 14:03	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 14:03	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 14:03	1
Chloroethane	ND		0.50		ug/L			08/04/21 14:03	1
Chloroform	ND		0.20		ug/L			08/04/21 14:03	1
Chloromethane	ND		0.50		ug/L			08/04/21 14:03	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 14:03	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 14:03	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 14:03	1
Dibromomethane	ND		0.20		ug/L			08/04/21 14:03	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 14:03	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 14:03	1
Methyl iodide	ND		0.50		ug/L			08/04/21 14:03	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 14:03	1
o-Xylene	ND		0.50		ug/L			08/04/21 14:03	1
Styrene	ND		1.0		ug/L			08/04/21 14:03	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 14:03	1
Toluene	ND		0.20		ug/L			08/04/21 14:03	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 14:03	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 14:03	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 14:03	1
Trichloroethene	ND		0.20		ug/L			08/04/21 14:03	1
Trichlorofluoromethane	ND		0.50		ug/L			08/04/21 14:03	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 14:03	1
Vinyl chloride	ND		0.020		ug/L			08/04/21 14:03	1

Client Sample ID: 0721-04
Date Collected: 07/27/21 13:05
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/04/21 14:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/04/21 14:03*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*08/04/21 14:03*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/04/21 14:03*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**31**		0.50		mg/L		08/03/21 08:35	08/03/21 18:00	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 18:00	1
Magnesium	**34**		0.50		mg/L		08/03/21 08:35	08/03/21 18:00	1
Manganese	**0.032**		0.020		mg/L		08/03/21 08:35	08/03/21 18:00	1
Potassium	**15**		3.3		mg/L		08/03/21 08:35	08/03/21 18:00	1
Sodium	**16**		0.50		mg/L		08/03/21 08:35	08/03/21 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.022**		0.0010		mg/L		07/30/21 12:18	08/02/21 14:59	1
Antimony	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:59	1
Barium	**0.028**		0.0012		mg/L		07/30/21 12:18	08/02/21 14:59	1
Beryllium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:59	1
Cadmium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:59	1
Chromium	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:59	1
Cobalt	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:59	1
Copper	ND		0.0020		mg/L		07/30/21 12:18	08/02/21 14:59	1
Lead	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:59	1
Nickel	ND		0.0030		mg/L		07/30/21 12:18	08/02/21 14:59	1
Selenium	ND		0.0080		mg/L		07/30/21 12:18	08/02/21 14:59	1
Silver	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:59	1
Thallium	ND		0.0010		mg/L		07/30/21 12:18	08/02/21 14:59	1
Vanadium	ND		0.0040		mg/L		07/30/21 12:18	08/02/21 14:59	1
Zinc	ND		0.0070		mg/L		07/30/21 12:18	08/02/21 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			08/10/21 19:20	1
Chloride	**42**		1.5		mg/L			08/10/21 19:20	1
Nitrite as N	ND		0.40		mg/L			07/29/21 10:25	1
Sulfate	**20**		1.5		mg/L			08/10/21 19:20	1
Nitrate as N	ND		0.20		mg/L			07/29/21 10:25	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**2.7**		1.5		mg/L			08/10/21 09:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**190**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**190**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**170**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-05
Date Collected: 07/27/21 14:10
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-5
Matrix: Water

Method: 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			08/04/21 14:28	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/04/21 14:28	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 14:28	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 14:28	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 14:28	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 14:28	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 14:28	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 14:28	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 14:28	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 14:28	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 14:28	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 14:28	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 14:28	1
2-Butanone	ND		10		ug/L			08/04/21 14:28	1
2-Hexanone	ND		3.0		ug/L			08/04/21 14:28	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 14:28	1
Acetone	ND		10		ug/L			08/04/21 14:28	1
Acrylonitrile	ND		10		ug/L			08/04/21 14:28	1
Benzene	ND		0.20		ug/L			08/04/21 14:28	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 14:28	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 14:28	1
Bromoform	ND		0.50		ug/L			08/04/21 14:28	1
Bromomethane	ND		0.50		ug/L			08/04/21 14:28	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 14:28	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 14:28	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 14:28	1
Chloroethane	ND		0.50		ug/L			08/04/21 14:28	1
Chloroform	ND		0.20		ug/L			08/04/21 14:28	1
Chloromethane	ND		0.50		ug/L			08/04/21 14:28	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 14:28	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 14:28	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 14:28	1
Dibromomethane	ND		0.20		ug/L			08/04/21 14:28	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 14:28	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 14:28	1
Methyl iodide	ND		0.50		ug/L			08/04/21 14:28	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 14:28	1
o-Xylene	ND		0.50		ug/L			08/04/21 14:28	1
Styrene	ND		1.0		ug/L			08/04/21 14:28	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 14:28	1
Toluene	ND		0.20		ug/L			08/04/21 14:28	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 14:28	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 14:28	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 14:28	1
Trichloroethene	ND		0.20		ug/L			08/04/21 14:28	1
Trichlorofluoromethane	ND		0.50		ug/L			08/04/21 14:28	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 14:28	1
Vinyl chloride	ND		0.020		ug/L			08/04/21 14:28	1

Client Sample ID: 0721-05
Date Collected: 07/27/21 14:10
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/04/21 14:28*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/04/21 14:28*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/04/21 14:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/04/21 14:28*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		0.50		mg/L		08/03/21 08:35	08/03/21 18:04	1
Iron	**2.0**		0.30		mg/L		08/03/21 08:35	08/03/21 18:04	1
Magnesium	**76**		0.50		mg/L		08/03/21 08:35	08/03/21 18:04	1
Manganese	**0.23**		0.020		mg/L		08/03/21 08:35	08/03/21 18:04	1
Potassium	**8.2**		3.3		mg/L		08/03/21 08:35	08/03/21 18:04	1
Sodium	**34**		0.50		mg/L		08/03/21 08:35	08/03/21 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0059**		0.0010		mg/L		08/03/21 08:30	08/04/21 11:52	1
Antimony	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 11:52	1
Barium	**0.072**		0.0012		mg/L		08/03/21 08:30	08/04/21 11:52	1
Beryllium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:52	1
Cadmium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:52	1
Chromium	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 11:52	1
Cobalt	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:52	1
Copper	ND		0.0020		mg/L		08/03/21 08:30	08/04/21 11:52	1
Lead	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:52	1
Nickel	ND		0.0030		mg/L		08/03/21 08:30	08/04/21 11:52	1
Selenium	ND		0.0080		mg/L		08/03/21 08:30	08/04/21 11:52	1
Silver	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:52	1
Thallium	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 11:52	1
Vanadium	ND		0.0040		mg/L		08/03/21 08:30	08/04/21 11:52	1
Zinc	ND		0.0070		mg/L		08/03/21 08:30	08/04/21 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			08/10/21 19:32	1
Chloride	**25**		1.5		mg/L			08/10/21 19:32	1
Nitrite as N	ND		0.40		mg/L			07/29/21 10:48	1
Sulfate	**31**		1.5		mg/L			08/10/21 19:32	1
Nitrate as N	ND		0.20		mg/L			07/29/21 10:48	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**3.8**		1.5		mg/L			08/10/21 09:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**680**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**680**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**760**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-06
Date Collected: 07/27/21 15:25
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-6
Matrix: Water

Method: 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			08/04/21 14:53	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/04/21 14:53	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 14:53	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 14:53	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 14:53	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 14:53	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 14:53	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 14:53	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 14:53	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 14:53	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 14:53	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 14:53	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 14:53	1
2-Butanone	ND		10		ug/L			08/04/21 14:53	1
2-Hexanone	ND		3.0		ug/L			08/04/21 14:53	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 14:53	1
Acetone	ND		10		ug/L			08/04/21 14:53	1
Acrylonitrile	ND		10		ug/L			08/04/21 14:53	1
Benzene	ND		0.20		ug/L			08/04/21 14:53	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 14:53	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 14:53	1
Bromoform	ND		0.50		ug/L			08/04/21 14:53	1
Bromomethane	ND		0.50		ug/L			08/04/21 14:53	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 14:53	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 14:53	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 14:53	1
Chloroethane	ND		0.50		ug/L			08/04/21 14:53	1
Chloroform	ND		0.20		ug/L			08/04/21 14:53	1
Chloromethane	ND		0.50		ug/L			08/04/21 14:53	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 14:53	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 14:53	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 14:53	1
Dibromomethane	ND		0.20		ug/L			08/04/21 14:53	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 14:53	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 14:53	1
Methyl iodide	ND		0.50		ug/L			08/04/21 14:53	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 14:53	1
o-Xylene	ND		0.50		ug/L			08/04/21 14:53	1
Styrene	ND		1.0		ug/L			08/04/21 14:53	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 14:53	1
Toluene	ND		0.20		ug/L			08/04/21 14:53	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 14:53	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 14:53	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 14:53	1
Trichloroethene	ND		0.20		ug/L			08/04/21 14:53	1
Trichlorofluoromethane	ND		0.50		ug/L			08/04/21 14:53	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 14:53	1
Vinyl chloride	ND		0.020		ug/L			08/04/21 14:53	1

Client Sample ID: 0721-06
Date Collected: 07/27/21 15:25
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/04/21 14:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/04/21 14:53*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*08/04/21 14:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/04/21 14:53*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**49**		0.50		mg/L		08/03/21 08:35	08/03/21 18:07	1
Iron	**1.2**		0.30		mg/L		08/03/21 08:35	08/03/21 18:07	1
Magnesium	**26**		0.50		mg/L		08/03/21 08:35	08/03/21 18:07	1
Manganese	**0.29**		0.020		mg/L		08/03/21 08:35	08/03/21 18:07	1
Potassium	**5.3**		3.3		mg/L		08/03/21 08:35	08/03/21 18:07	1
Sodium	**24**		0.50		mg/L		08/03/21 08:35	08/03/21 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0054**		0.0010		mg/L		08/03/21 08:30	08/04/21 11:55	1
Antimony	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 11:55	1
Barium	**0.064**		0.0012		mg/L		08/03/21 08:30	08/04/21 11:55	1
Beryllium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:55	1
Cadmium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:55	1
Chromium	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 11:55	1
Cobalt	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:55	1
Copper	ND		0.0020		mg/L		08/03/21 08:30	08/04/21 11:55	1
Lead	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:55	1
Nickel	ND		0.0030		mg/L		08/03/21 08:30	08/04/21 11:55	1
Selenium	ND		0.0080		mg/L		08/03/21 08:30	08/04/21 11:55	1
Silver	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:55	1
Thallium	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 11:55	1
Vanadium	ND		0.0040		mg/L		08/03/21 08:30	08/04/21 11:55	1
Zinc	ND		0.0070		mg/L		08/03/21 08:30	08/04/21 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			08/10/21 19:44	1
Chloride	**13**		1.5		mg/L			08/10/21 19:44	1
Nitrite as N	ND		0.40		mg/L			07/29/21 11:11	1
Sulfate	**26**		1.5		mg/L			08/10/21 19:44	1
Nitrate as N	ND		0.20		mg/L			07/29/21 11:11	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**2.0**		1.5		mg/L			08/10/21 09:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**250**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**250**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**270**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-07

Date Collected: 07/27/21 16:45
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-7

Matrix: Water

Method: 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			08/04/21 15:17	1
1,1,1-Trichloroethane	**0.73**		0.20		ug/L			08/04/21 15:17	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 15:17	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 15:17	1
1,1-Dichloroethane	**3.5**		0.20		ug/L			08/04/21 15:17	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 15:17	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 15:17	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 15:17	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 15:17	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 15:17	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 15:17	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 15:17	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 15:17	1
2-Butanone	ND		10		ug/L			08/04/21 15:17	1
2-Hexanone	ND		3.0		ug/L			08/04/21 15:17	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 15:17	1
Acetone	ND		10		ug/L			08/04/21 15:17	1
Acrylonitrile	ND		10		ug/L			08/04/21 15:17	1
Benzene	ND		0.20		ug/L			08/04/21 15:17	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 15:17	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 15:17	1
Bromoform	ND		0.50		ug/L			08/04/21 15:17	1
Bromomethane	ND		0.50		ug/L			08/04/21 15:17	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 15:17	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 15:17	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 15:17	1
Chloroethane	ND		0.50		ug/L			08/04/21 15:17	1
Chloroform	ND		0.20		ug/L			08/04/21 15:17	1
Chloromethane	ND		0.50		ug/L			08/04/21 15:17	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 15:17	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 15:17	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 15:17	1
Dibromomethane	ND		0.20		ug/L			08/04/21 15:17	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 15:17	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 15:17	1
Methyl iodide	ND		0.50		ug/L			08/04/21 15:17	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 15:17	1
o-Xylene	ND		0.50		ug/L			08/04/21 15:17	1
Styrene	ND		1.0		ug/L			08/04/21 15:17	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 15:17	1
Toluene	ND		0.20		ug/L			08/04/21 15:17	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 15:17	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 15:17	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 15:17	1
Trichloroethene	ND		0.20		ug/L			08/04/21 15:17	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 15:17	1
Vinyl chloride	**2.4**		0.020		ug/L			08/04/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*08/04/21 15:17*	*1*

Client Sample ID: 0721-07
Date Collected: 07/27/21 16:45
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-7
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/04/21 15:17*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/04/21 15:17*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/04/21 15:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**88**		2.0		ug/L			08/10/21 19:18	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/10/21 19:18*	*4*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/10/21 19:18*	*4*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*08/10/21 19:18*	*4*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/10/21 19:18*	*4*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**250**		0.50		mg/L		08/03/21 08:35	08/03/21 18:10	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 18:10	1
Magnesium	**110**		0.50		mg/L		08/03/21 08:35	08/03/21 18:10	1
Manganese	**0.72**		0.020		mg/L		08/03/21 08:35	08/03/21 18:10	1
Potassium	**9.6**		3.3		mg/L		08/03/21 08:35	08/03/21 18:10	1
Sodium	**36**		0.50		mg/L		08/03/21 08:35	08/03/21 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0021**		0.0010		mg/L		07/30/21 12:18	08/02/21 14:44	1
Antimony	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:44	1
Barium	**0.066**		0.0012		mg/L		07/30/21 12:18	08/02/21 14:44	1
Beryllium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:44	1
Cadmium	**0.00046**		0.00040		mg/L		07/30/21 12:18	08/02/21 14:44	1
Chromium	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:44	1
Cobalt	**0.0028**		0.00040		mg/L		07/30/21 12:18	08/02/21 14:44	1
Copper	**0.0032**		0.0020		mg/L		07/30/21 12:18	08/02/21 14:44	1
Lead	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:44	1
Nickel	**0.030**		0.0030		mg/L		07/30/21 12:18	08/02/21 14:44	1
Selenium	ND		0.0080		mg/L		07/30/21 12:18	08/02/21 14:44	1
Silver	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:44	1
Thallium	ND		0.0010		mg/L		07/30/21 12:18	08/02/21 14:44	1
Vanadium	**0.012**		0.0040		mg/L		07/30/21 12:18	08/02/21 14:44	1
Zinc	ND		0.0070		mg/L		07/30/21 12:18	08/02/21 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.23**		0.20		mg/L			08/10/21 19:56	1
Chloride	**56**		1.5		mg/L			08/10/21 19:56	1
Nitrite as N	ND		0.40		mg/L			07/29/21 11:58	1
Sulfate	**290**		15		mg/L			08/10/21 20:07	10
Nitrate as N	ND		0.20		mg/L			07/29/21 11:58	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**23**		1.5		mg/L			08/10/21 10:21	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-07

Date Collected: 07/27/21 16:45
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-7

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**780**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**780**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**1300**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	**46**		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-08
Date Collected: 07/27/21 17:43
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-8
Matrix: Water

Method: 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			08/04/21 15:42	1
1,1,1-Trichloroethane	**0.46**		0.20		ug/L			08/04/21 15:42	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 15:42	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 15:42	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 15:42	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 15:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 15:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 15:42	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 15:42	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 15:42	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 15:42	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 15:42	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 15:42	1
2-Butanone	ND		10		ug/L			08/04/21 15:42	1
2-Hexanone	ND		3.0		ug/L			08/04/21 15:42	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 15:42	1
Acetone	ND		10		ug/L			08/04/21 15:42	1
Acrylonitrile	ND		10		ug/L			08/04/21 15:42	1
Benzene	ND		0.20		ug/L			08/04/21 15:42	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 15:42	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 15:42	1
Bromoform	ND		0.50		ug/L			08/04/21 15:42	1
Bromomethane	ND		0.50		ug/L			08/04/21 15:42	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 15:42	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 15:42	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 15:42	1
Chloroethane	ND		0.50		ug/L			08/04/21 15:42	1
Chloroform	ND		0.20		ug/L			08/04/21 15:42	1
Chloromethane	ND		0.50		ug/L			08/04/21 15:42	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 15:42	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 15:42	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 15:42	1
Dibromomethane	ND		0.20		ug/L			08/04/21 15:42	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 15:42	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 15:42	1
Methyl iodide	ND		0.50		ug/L			08/04/21 15:42	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 15:42	1
o-Xylene	ND		0.50		ug/L			08/04/21 15:42	1
Styrene	ND		1.0		ug/L			08/04/21 15:42	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 15:42	1
Toluene	ND		0.20		ug/L			08/04/21 15:42	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 15:42	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 15:42	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 15:42	1
Trichloroethene	ND		0.20		ug/L			08/04/21 15:42	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 15:42	1
Vinyl chloride	**20**		0.020		ug/L			08/04/21 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/04/21 15:42*	*1*

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-08
Date Collected: 07/27/21 17:43
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-8
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*08/04/21 15:42*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/04/21 15:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/04/21 15:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**3.0**		0.50		ug/L			08/10/21 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*08/10/21 14:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/10/21 14:08*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*08/10/21 14:08*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/10/21 14:08*	*1*

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: Trip Blank

Date Collected: 07/27/21 00:01
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-9

Matrix: Water

Method: 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			08/04/21 16:07	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/04/21 16:07	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 16:07	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 16:07	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 16:07	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 16:07	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 16:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 16:07	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 16:07	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 16:07	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 16:07	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 16:07	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 16:07	1
2-Butanone	ND		10		ug/L			08/04/21 16:07	1
2-Hexanone	ND		3.0		ug/L			08/04/21 16:07	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 16:07	1
Acetone	ND		10		ug/L			08/04/21 16:07	1
Acrylonitrile	ND		10		ug/L			08/04/21 16:07	1
Benzene	ND		0.20		ug/L			08/04/21 16:07	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 16:07	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 16:07	1
Bromoform	ND		0.50		ug/L			08/04/21 16:07	1
Bromomethane	ND		0.50		ug/L			08/04/21 16:07	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 16:07	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 16:07	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 16:07	1
Chloroethane	ND		0.50		ug/L			08/04/21 16:07	1
Chloroform	ND		0.20		ug/L			08/04/21 16:07	1
Chloromethane	ND		0.50		ug/L			08/04/21 16:07	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 16:07	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 16:07	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 16:07	1
Dibromomethane	ND		0.20		ug/L			08/04/21 16:07	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 16:07	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 16:07	1
Methyl iodide	ND		0.50		ug/L			08/04/21 16:07	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 16:07	1
o-Xylene	ND		0.50		ug/L			08/04/21 16:07	1
Styrene	ND		1.0		ug/L			08/04/21 16:07	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 16:07	1
Toluene	ND		0.20		ug/L			08/04/21 16:07	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 16:07	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 16:07	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 16:07	1
Trichloroethene	ND		0.20		ug/L			08/04/21 16:07	1
Trichlorofluoromethane	ND		0.50		ug/L			08/04/21 16:07	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 16:07	1
Vinyl chloride	ND		0.020		ug/L			08/04/21 16:07	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: Trip Blank

Date Collected: 07/27/21 00:01
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-9

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		08/04/21 16:07	1
4-Bromofluorobenzene (Surr)	101		80 - 120		08/04/21 16:07	1
Dibromofluoromethane (Surr)	108		80 - 120		08/04/21 16:07	1
Toluene-d8 (Surr)	101		80 - 120		08/04/21 16:07	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-09
Date Collected: 07/28/21 09:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-10
Matrix: Water

Method: 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			08/05/21 00:04	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/05/21 00:04	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/05/21 00:04	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/05/21 00:04	1
1,1-Dichloroethane	ND		0.20		ug/L			08/05/21 00:04	1
1,1-Dichloroethene	ND		0.20		ug/L			08/05/21 00:04	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/05/21 00:04	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/05/21 00:04	1
1,2-Dibromoethane	ND		0.10		ug/L			08/05/21 00:04	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/05/21 00:04	1
1,2-Dichloroethane	ND		0.20		ug/L			08/05/21 00:04	1
1,2-Dichloropropane	ND		0.20		ug/L			08/05/21 00:04	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/05/21 00:04	1
2-Butanone	ND		10		ug/L			08/05/21 00:04	1
2-Hexanone	ND		3.0		ug/L			08/05/21 00:04	1
4-Methyl-2-pentanone	ND		10		ug/L			08/05/21 00:04	1
Acetone	ND		10		ug/L			08/05/21 00:04	1
Acrylonitrile	ND		10		ug/L			08/05/21 00:04	1
Benzene	ND		0.20		ug/L			08/05/21 00:04	1
Bromochloromethane	ND		0.20		ug/L			08/05/21 00:04	1
Bromodichloromethane	ND		0.20		ug/L			08/05/21 00:04	1
Bromoform	ND		0.50		ug/L			08/05/21 00:04	1
Bromomethane	ND		0.50		ug/L			08/05/21 00:04	1
Carbon disulfide	ND		0.30		ug/L			08/05/21 00:04	1
Carbon tetrachloride	ND		0.20		ug/L			08/05/21 00:04	1
Chlorobenzene	ND		0.20		ug/L			08/05/21 00:04	1
Chloroethane	ND		0.50		ug/L			08/05/21 00:04	1
Chloroform	ND		0.20		ug/L			08/05/21 00:04	1
Chloromethane	ND		0.50		ug/L			08/05/21 00:04	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 00:04	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 00:04	1
Dibromochloromethane	ND		0.20		ug/L			08/05/21 00:04	1
Dibromomethane	ND		0.20		ug/L			08/05/21 00:04	1
Ethylbenzene	ND		0.20		ug/L			08/05/21 00:04	1
m,p-Xylene	ND		0.50		ug/L			08/05/21 00:04	1
Methyl iodide	ND		0.50		ug/L			08/05/21 00:04	1
Methylene Chloride	ND		5.0		ug/L			08/05/21 00:04	1
o-Xylene	ND		0.50		ug/L			08/05/21 00:04	1
Styrene	ND		1.0		ug/L			08/05/21 00:04	1
Tetrachloroethene	ND		0.50		ug/L			08/05/21 00:04	1
Toluene	ND		0.20		ug/L			08/05/21 00:04	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 00:04	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 00:04	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/05/21 00:04	1
Trichloroethene	ND		0.20		ug/L			08/05/21 00:04	1
Trichlorofluoromethane	ND		0.50		ug/L			08/05/21 00:04	1
Vinyl acetate	ND		2.0		ug/L			08/05/21 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/05/21 00:04*	*1*

Client Sample ID: 0721-09
Date Collected: 07/28/21 09:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-10
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*08/05/21 00:04*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*08/05/21 00:04*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/05/21 00:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.020		ug/L			08/10/21 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/10/21 14:32*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*08/10/21 14:32*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*08/10/21 14:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/10/21 14:32*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**60**		0.50		mg/L		08/03/21 08:35	08/03/21 18:13	1
Iron	**1.4**		0.30		mg/L		08/03/21 08:35	08/03/21 18:13	1
Magnesium	**31**		0.50		mg/L		08/03/21 08:35	08/03/21 18:13	1
Manganese	**0.52**		0.020		mg/L		08/03/21 08:35	08/03/21 18:13	1
Potassium	**5.9**		3.3		mg/L		08/03/21 08:35	08/03/21 18:13	1
Sodium	**34**		0.50		mg/L		08/03/21 08:35	08/03/21 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0015**		0.0010		mg/L		07/30/21 12:18	08/02/21 14:48	1
Antimony	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:48	1
Barium	**0.082**		0.0012		mg/L		07/30/21 12:18	08/02/21 14:48	1
Beryllium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:48	1
Cadmium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:48	1
Chromium	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 14:48	1
Cobalt	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:48	1
Copper	ND		0.0020		mg/L		07/30/21 12:18	08/02/21 14:48	1
Lead	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:48	1
Nickel	ND		0.0030		mg/L		07/30/21 12:18	08/02/21 14:48	1
Selenium	ND		0.0080		mg/L		07/30/21 12:18	08/02/21 14:48	1
Silver	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 14:48	1
Thallium	ND		0.0010		mg/L		07/30/21 12:18	08/02/21 14:48	1
Vanadium	ND		0.0040		mg/L		07/30/21 12:18	08/02/21 14:48	1
Zinc	ND		0.0070		mg/L		07/30/21 12:18	08/02/21 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			08/10/21 20:42	1
Chloride	**19**		1.5		mg/L			08/10/21 20:42	1
Nitrite as N	ND		0.40		mg/L			07/29/21 12:22	1
Sulfate	**30**		1.5		mg/L			08/10/21 20:42	1
Nitrate as N	ND		0.20		mg/L			07/29/21 12:22	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**3.2**		1.5		mg/L			08/10/21 10:37	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-09

Date Collected: 07/28/21 09:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-10

Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**310**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**310**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**300**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

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

Lab Sample ID: MB 580-363841/7
Matrix: Water
Analysis Batch: 363841

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			08/03/21 15:12	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/03/21 15:12	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/03/21 15:12	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/03/21 15:12	1
1,1-Dichloroethane	ND		0.20		ug/L			08/03/21 15:12	1
1,1-Dichloroethene	ND		0.20		ug/L			08/03/21 15:12	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/03/21 15:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/03/21 15:12	1
1,2-Dibromoethane	ND		0.10		ug/L			08/03/21 15:12	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/03/21 15:12	1
1,2-Dichloroethane	ND		0.20		ug/L			08/03/21 15:12	1
1,2-Dichloropropane	ND		0.20		ug/L			08/03/21 15:12	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/03/21 15:12	1
2-Butanone	ND		10		ug/L			08/03/21 15:12	1
2-Hexanone	ND		3.0		ug/L			08/03/21 15:12	1
4-Methyl-2-pentanone	ND		10		ug/L			08/03/21 15:12	1
Acetone	ND		10		ug/L			08/03/21 15:12	1
Acrylonitrile	ND		10		ug/L			08/03/21 15:12	1
Benzene	ND		0.20		ug/L			08/03/21 15:12	1
Bromochloromethane	ND		0.20		ug/L			08/03/21 15:12	1
Bromodichloromethane	ND		0.20		ug/L			08/03/21 15:12	1
Bromoform	ND		0.50		ug/L			08/03/21 15:12	1
Bromomethane	ND		0.50		ug/L			08/03/21 15:12	1
Carbon disulfide	ND		0.30		ug/L			08/03/21 15:12	1
Carbon tetrachloride	ND		0.20		ug/L			08/03/21 15:12	1
Chlorobenzene	ND		0.20		ug/L			08/03/21 15:12	1
Chloroethane	ND		0.50		ug/L			08/03/21 15:12	1
Chloroform	ND		0.20		ug/L			08/03/21 15:12	1
Chloromethane	ND		0.50		ug/L			08/03/21 15:12	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 15:12	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 15:12	1
Dibromochloromethane	ND		0.20		ug/L			08/03/21 15:12	1
Dibromomethane	ND		0.20		ug/L			08/03/21 15:12	1
Ethylbenzene	ND		0.20		ug/L			08/03/21 15:12	1
m,p-Xylene	ND		0.50		ug/L			08/03/21 15:12	1
Methyl iodide	ND		0.50		ug/L			08/03/21 15:12	1
Methylene Chloride	ND		5.0		ug/L			08/03/21 15:12	1
o-Xylene	ND		0.50		ug/L			08/03/21 15:12	1
Styrene	ND		1.0		ug/L			08/03/21 15:12	1
Tetrachloroethene	ND		0.50		ug/L			08/03/21 15:12	1
Toluene	ND		0.20		ug/L			08/03/21 15:12	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/03/21 15:12	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/03/21 15:12	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/03/21 15:12	1
Trichloroethene	ND		0.20		ug/L			08/03/21 15:12	1
Trichlorofluoromethane	ND		0.50		ug/L			08/03/21 15:12	1
Vinyl acetate	ND		2.0		ug/L			08/03/21 15:12	1
Vinyl chloride	ND		0.020		ug/L			08/03/21 15:12	1

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

Lab Sample ID: MB 580-363841/7
Matrix: Water
Analysis Batch: 363841

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		08/03/21 15:12	1
4-Bromofluorobenzene (Surr)	105		80 - 120		08/03/21 15:12	1
Dibromofluoromethane (Surr)	109		80 - 120		08/03/21 15:12	1
Toluene-d8 (Surr)	100		80 - 120		08/03/21 15:12	1

Lab Sample ID: LCS 580-363841/4
Matrix: Water
Analysis Batch: 363841

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	5.56		ug/L		111	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.26		ug/L		85	67 - 136
1,1,2-Trichloroethane	5.00	4.66		ug/L		93	73 - 127
1,1-Dichloroethane	5.00	5.30		ug/L		106	74 - 120
1,1-Dichloroethene	5.00	5.87		ug/L		117	60 - 129
1,2,3-Trichloropropane	5.00	4.73		ug/L		95	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.21		ug/L		84	55 - 135
1,2-Dibromoethane	5.00	4.65		ug/L		93	61 - 143
1,2-Dichlorobenzene	5.00	5.10		ug/L		102	72 - 129
1,2-Dichloroethane	5.00	4.95		ug/L		99	74 - 127
1,2-Dichloropropane	5.00	4.76		ug/L		95	69 - 130
1,4-Dichlorobenzene	5.00	4.67		ug/L		93	71 - 129
2-Butanone	25.0	25.1		ug/L		100	37 - 150
2-Hexanone	25.0	24.7		ug/L		99	56 - 150
4-Methyl-2-pentanone	25.0	26.2		ug/L		105	63 - 137
Acetone	25.0	25.6		ug/L		102	49 - 150
Acrylonitrile	50.0	54.4		ug/L		109	50 - 145
Benzene	5.00	4.94		ug/L		99	80 - 120
Bromochloromethane	5.00	5.17		ug/L		103	79 - 121
Bromodichloromethane	5.00	4.51		ug/L		90	74 - 131
Bromoform	5.00	4.69		ug/L		94	48 - 127
Bromomethane	5.00	5.82		ug/L		116	51 - 148
Carbon disulfide	5.00	5.25		ug/L		105	54 - 142
Carbon tetrachloride	5.00	5.38		ug/L		108	66 - 130
Chlorobenzene	5.00	5.13		ug/L		103	74 - 123
Chloroethane	5.00	5.20		ug/L		104	54 - 140
Chloroform	5.00	5.08		ug/L		102	75 - 120
Chloromethane	5.00	4.92		ug/L		98	32 - 150
cis-1,2-Dichloroethene	5.00	5.76		ug/L		115	72 - 120
cis-1,3-Dichloropropene	5.00	5.22		ug/L		104	77 - 131
Dibromochloromethane	5.00	4.68		ug/L		94	62 - 141
Dibromomethane	5.00	4.92		ug/L		98	65 - 141
Ethylbenzene	5.00	5.66		ug/L		113	80 - 124
m,p-Xylene	5.00	6.24	*+	ug/L		125	75 - 124
Methyl iodide	5.00	5.77		ug/L		115	60 - 128
Methylene Chloride	5.00	5.55		ug/L		111	40 - 142
o-Xylene	5.00	5.82		ug/L		116	71 - 124

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

Lab Sample ID: LCS 580-363841/4
Matrix: Water
Analysis Batch: 363841

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	5.15		ug/L		103	74 - 127
Tetrachloroethene	5.00	5.09		ug/L		102	75 - 124
Toluene	5.00	4.86		ug/L		97	80 - 126
trans-1,2-Dichloroethene	5.00	5.69		ug/L		114	69 - 121
trans-1,3-Dichloropropene	5.00	4.53		ug/L		91	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.75		ug/L		95	20 - 150
Trichloroethene	5.00	4.95		ug/L		99	72 - 120
Trichlorofluoromethane	5.00	5.21		ug/L		104	60 - 132
Vinyl acetate	12.5	12.2		ug/L		97	38 - 150
Vinyl chloride	5.00	5.20		ug/L		104	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-363841/5
Matrix: Water
Analysis Batch: 363841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.86		ug/L		97	69 - 127	4	22
1,1,1-Trichloroethane	5.00	5.13		ug/L		103	70 - 121	8	24
1,1,2,2-Tetrachloroethane	5.00	4.20		ug/L		84	67 - 136	1	24
1,1,2-Trichloroethane	5.00	4.61		ug/L		92	73 - 127	1	22
1,1-Dichloroethane	5.00	4.98		ug/L		100	74 - 120	6	26
1,1-Dichloroethene	5.00	5.30		ug/L		106	60 - 129	10	29
1,2,3-Trichloropropane	5.00	4.75		ug/L		95	67 - 135	0	25
1,2-Dibromo-3-Chloropropane	5.00	4.04		ug/L		81	55 - 135	4	29
1,2-Dibromoethane	5.00	4.64		ug/L		93	61 - 143	0	22
1,2-Dichlorobenzene	5.00	5.01		ug/L		100	72 - 129	2	22
1,2-Dichloroethane	5.00	4.94		ug/L		99	74 - 127	0	21
1,2-Dichloropropane	5.00	4.62		ug/L		92	69 - 130	3	22
1,4-Dichlorobenzene	5.00	4.64		ug/L		93	71 - 129	1	22
2-Butanone	25.0	22.9		ug/L		92	37 - 150	9	35
2-Hexanone	25.0	23.5		ug/L		94	56 - 150	5	29
4-Methyl-2-pentanone	25.0	25.1		ug/L		100	63 - 137	4	26
Acetone	25.0	20.5		ug/L		82	49 - 150	22	24
Acrylonitrile	50.0	49.3		ug/L		99	50 - 145	10	33
Benzene	5.00	4.76		ug/L		95	80 - 120	4	22
Bromochloromethane	5.00	4.94		ug/L		99	79 - 121	5	20
Bromodichloromethane	5.00	4.45		ug/L		89	74 - 131	1	21
Bromoform	5.00	4.44		ug/L		89	48 - 127	5	23
Bromomethane	5.00	5.00		ug/L		100	51 - 148	15	35
Carbon disulfide	5.00	4.75		ug/L		95	54 - 142	10	34
Carbon tetrachloride	5.00	4.94		ug/L		99	66 - 130	8	24
Chlorobenzene	5.00	5.01		ug/L		100	74 - 123	2	21

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

Lab Sample ID: LCSD 580-363841/5
Matrix: Water
Analysis Batch: 363841

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	4.57		ug/L		91	54 - 140	13	33
Chloroform	5.00	4.78		ug/L		96	75 - 120	6	21
Chloromethane	5.00	4.39		ug/L		88	32 - 150	11	33
cis-1,2-Dichloroethene	5.00	5.42		ug/L		108	72 - 120	6	22
cis-1,3-Dichloropropene	5.00	5.44		ug/L		109	77 - 131	4	24
Dibromochloromethane	5.00	4.62		ug/L		92	62 - 141	1	22
Dibromomethane	5.00	4.80		ug/L		96	65 - 141	2	22
Ethylbenzene	5.00	5.44		ug/L		109	80 - 124	4	22
m,p-Xylene	5.00	6.04		ug/L		121	75 - 124	3	22
Methyl iodide	5.00	5.28		ug/L		106	60 - 128	9	39
Methylene Chloride	5.00	5.10		ug/L		102	40 - 142	8	25
o-Xylene	5.00	5.64		ug/L		113	71 - 124	3	23
Styrene	5.00	4.95		ug/L		99	74 - 127	4	22
Tetrachloroethene	5.00	5.01		ug/L		100	75 - 124	2	20
Toluene	5.00	4.82		ug/L		96	80 - 126	1	20
trans-1,2-Dichloroethene	5.00	5.20		ug/L		104	69 - 121	9	27
trans-1,3-Dichloropropene	5.00	4.63		ug/L		93	71 - 138	2	26
trans-1,4-Dichloro-2-butene	5.00	4.71		ug/L		94	20 - 150	1	35
Trichloroethene	5.00	4.79		ug/L		96	72 - 120	3	22
Trichlorofluoromethane	5.00	4.72		ug/L		94	60 - 132	10	32
Vinyl acetate	12.5	12.2		ug/L		97	38 - 150	0	35
Vinyl chloride	5.00	4.64		ug/L		93	41 - 150	11	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 580-363869/7
Matrix: Water
Analysis Batch: 363869

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			08/04/21 12:24	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/04/21 12:24	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 12:24	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 12:24	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 12:24	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 12:24	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 12:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 12:24	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 12:24	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 12:24	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 12:24	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 12:24	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 12:24	1
2-Butanone	ND		10		ug/L			08/04/21 12:24	1

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

Lab Sample ID: MB 580-363869/7
Matrix: Water
Analysis Batch: 363869

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			08/04/21 12:24	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 12:24	1
Acetone	ND		10		ug/L			08/04/21 12:24	1
Acrylonitrile	ND		10		ug/L			08/04/21 12:24	1
Benzene	ND		0.20		ug/L			08/04/21 12:24	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 12:24	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 12:24	1
Bromoform	ND		0.50		ug/L			08/04/21 12:24	1
Bromomethane	ND		0.50		ug/L			08/04/21 12:24	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 12:24	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 12:24	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 12:24	1
Chloroethane	ND		0.50		ug/L			08/04/21 12:24	1
Chloroform	ND		0.20		ug/L			08/04/21 12:24	1
Chloromethane	ND		0.50		ug/L			08/04/21 12:24	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 12:24	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 12:24	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 12:24	1
Dibromomethane	ND		0.20		ug/L			08/04/21 12:24	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 12:24	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 12:24	1
Methyl iodide	ND		0.50		ug/L			08/04/21 12:24	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 12:24	1
o-Xylene	ND		0.50		ug/L			08/04/21 12:24	1
Styrene	ND		1.0		ug/L			08/04/21 12:24	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 12:24	1
Toluene	ND		0.20		ug/L			08/04/21 12:24	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 12:24	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 12:24	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 12:24	1
Trichloroethene	ND		0.20		ug/L			08/04/21 12:24	1
Trichlorofluoromethane	ND		0.50		ug/L			08/04/21 12:24	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 12:24	1
Vinyl chloride	ND		0.020		ug/L			08/04/21 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*08/04/21 12:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/04/21 12:24*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*08/04/21 12:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/04/21 12:24*	*1*

Lab Sample ID: LCS 580-363869/4
Matrix: Water
Analysis Batch: 363869

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	4.58		ug/L		92	69 - 127
1,1,1-Trichloroethane	5.00	5.03		ug/L		101	70 - 121

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

Lab Sample ID: LCS 580-363869/4
Matrix: Water
Analysis Batch: 363869

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	4.33		ug/L		87	67 - 136
1,1,2-Trichloroethane	5.00	4.74		ug/L		95	73 - 127
1,1-Dichloroethane	5.00	4.86		ug/L		97	74 - 120
1,1-Dichloroethene	5.00	5.11		ug/L		102	60 - 129
1,2,3-Trichloropropane	5.00	4.89		ug/L		98	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.13		ug/L		83	55 - 135
1,2-Dibromoethane	5.00	4.97		ug/L		99	61 - 143
1,2-Dichlorobenzene	5.00	4.88		ug/L		98	72 - 129
1,2-Dichloroethane	5.00	5.13		ug/L		103	74 - 127
1,2-Dichloropropane	5.00	4.95		ug/L		99	69 - 130
1,4-Dichlorobenzene	5.00	4.74		ug/L		95	71 - 129
2-Butanone	25.0	28.0		ug/L		112	37 - 150
2-Hexanone	25.0	27.0		ug/L		108	56 - 150
4-Methyl-2-pentanone	25.0	25.5		ug/L		102	63 - 137
Acetone	25.0	23.8		ug/L		95	49 - 150
Acrylonitrile	50.0	49.3		ug/L		99	50 - 145
Benzene	5.00	4.96		ug/L		99	80 - 120
Bromochloromethane	5.00	4.79		ug/L		96	79 - 121
Bromodichloromethane	5.00	4.85		ug/L		97	74 - 131
Bromoform	5.00	4.74		ug/L		95	48 - 127
Bromomethane	5.00	4.78		ug/L		96	51 - 148
Carbon disulfide	5.00	4.84		ug/L		97	54 - 142
Carbon tetrachloride	5.00	4.90		ug/L		98	66 - 130
Chlorobenzene	5.00	5.17		ug/L		103	74 - 123
Chloroethane	5.00	4.40		ug/L		88	54 - 140
Chloroform	5.00	4.72		ug/L		94	75 - 120
Chloromethane	5.00	4.29		ug/L		86	32 - 150
cis-1,2-Dichloroethene	5.00	5.27		ug/L		105	72 - 120
cis-1,3-Dichloropropene	5.00	5.88		ug/L		118	77 - 131
Dibromochloromethane	5.00	4.96		ug/L		99	62 - 141
Dibromomethane	5.00	4.97		ug/L		99	65 - 141
Ethylbenzene	5.00	5.48		ug/L		110	80 - 124
m,p-Xylene	5.00	6.05		ug/L		121	75 - 124
Methyl iodide	5.00	5.01		ug/L		100	60 - 128
Methylene Chloride	5.00	4.72	J	ug/L		94	40 - 142
o-Xylene	5.00	5.52		ug/L		110	71 - 124
Styrene	5.00	5.09		ug/L		102	74 - 127
Tetrachloroethene	5.00	5.04		ug/L		101	75 - 124
Toluene	5.00	4.85		ug/L		97	80 - 126
trans-1,2-Dichloroethene	5.00	4.99		ug/L		100	69 - 121
trans-1,3-Dichloropropene	5.00	5.19		ug/L		104	71 - 138
trans-1,4-Dichloro-2-butene	5.00	5.36		ug/L		107	20 - 150
Trichloroethene	5.00	5.07		ug/L		101	72 - 120
Trichlorofluoromethane	5.00	4.64		ug/L		93	60 - 132
Vinyl acetate	12.5	13.4		ug/L		108	38 - 150
Vinyl chloride	5.00	4.56		ug/L		91	41 - 150

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

Lab Sample ID: LCS 580-363869/4
Matrix: Water
Analysis Batch: 363869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 580-363869/5
Matrix: Water
Analysis Batch: 363869

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	4.35		ug/L		87	69 - 127	5	22
1,1,1-Trichloroethane			5.00	4.60		ug/L		92	70 - 121	9	24
1,1,2,2-Tetrachloroethane			5.00	4.22		ug/L		84	67 - 136	3	24
1,1,2-Trichloroethane			5.00	4.56		ug/L		91	73 - 127	4	22
1,1-Dichloroethane			5.00	4.48		ug/L		90	74 - 120	8	26
1,1-Dichloroethene			5.00	4.68		ug/L		94	60 - 129	9	29
1,2,3-Trichloropropane			5.00	4.69		ug/L		94	67 - 135	4	25
1,2-Dibromo-3-Chloropropane			5.00	4.20		ug/L		84	55 - 135	2	29
1,2-Dibromoethane			5.00	4.77		ug/L		95	61 - 143	4	22
1,2-Dichlorobenzene			5.00	4.64		ug/L		93	72 - 129	5	22
1,2-Dichloroethane			5.00	4.80		ug/L		96	74 - 127	7	21
1,2-Dichloropropane			5.00	4.63		ug/L		93	69 - 130	7	22
1,4-Dichlorobenzene			5.00	4.39		ug/L		88	71 - 129	8	22
2-Butanone			25.0	28.0		ug/L		112	37 - 150	0	35
2-Hexanone			25.0	26.0		ug/L		104	56 - 150	4	29
4-Methyl-2-pentanone			25.0	25.7		ug/L		103	63 - 137	1	26
Acetone			25.0	23.6		ug/L		94	49 - 150	1	24
Acrylonitrile			50.0	49.5		ug/L		99	50 - 145	0	33
Benzene			5.00	4.57		ug/L		91	80 - 120	8	22
Bromochloromethane			5.00	4.55		ug/L		91	79 - 121	5	20
Bromodichloromethane			5.00	4.56		ug/L		91	74 - 131	6	21
Bromoform			5.00	4.69		ug/L		94	48 - 127	1	23
Bromomethane			5.00	4.50		ug/L		90	51 - 148	6	35
Carbon disulfide			5.00	4.43		ug/L		89	54 - 142	9	34
Carbon tetrachloride			5.00	4.45		ug/L		89	66 - 130	10	24
Chlorobenzene			5.00	4.78		ug/L		96	74 - 123	8	21
Chloroethane			5.00	4.07		ug/L		81	54 - 140	8	33
Chloroform			5.00	4.37		ug/L		87	75 - 120	8	21
Chloromethane			5.00	3.82		ug/L		76	32 - 150	12	33
cis-1,2-Dichloroethene			5.00	4.87		ug/L		97	72 - 120	8	22
cis-1,3-Dichloropropene			5.00	5.61		ug/L		112	77 - 131	5	24
Dibromochloromethane			5.00	4.76		ug/L		95	62 - 141	4	22
Dibromomethane			5.00	4.84		ug/L		97	65 - 141	3	22
Ethylbenzene			5.00	5.03		ug/L		101	80 - 124	9	22
m,p-Xylene			5.00	5.58		ug/L		112	75 - 124	8	22
Methyl iodide			5.00	4.66		ug/L		93	60 - 128	7	39
Methylene Chloride			5.00	4.47	J	ug/L		89	40 - 142	6	25
o-Xylene			5.00	5.21		ug/L		104	71 - 124	6	23

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

Lab Sample ID: LCSD 580-363869/5
Matrix: Water
Analysis Batch: 363869

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene			5.00	4.71		ug/L		94	74 - 127	8	22
Tetrachloroethene			5.00	4.61		ug/L		92	75 - 124	9	20
Toluene			5.00	4.49		ug/L		90	80 - 126	8	20
trans-1,2-Dichloroethene			5.00	4.60		ug/L		92	69 - 121	8	27
trans-1,3-Dichloropropene			5.00	5.00		ug/L		100	71 - 138	4	26
trans-1,4-Dichloro-2-butene			5.00	5.11		ug/L		102	20 - 150	5	35
Trichloroethene			5.00	4.68		ug/L		94	72 - 120	8	22
Trichlorofluoromethane			5.00	4.15		ug/L		83	60 - 132	11	32
Vinyl acetate			12.5	13.1		ug/L		105	38 - 150	3	35
Vinyl chloride			5.00	4.02		ug/L		80	41 - 150	12	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 580-364005/7
Matrix: Water
Analysis Batch: 364005

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			08/04/21 23:40	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 23:40	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 23:40	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 23:40	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 23:40	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 23:40	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 23:40	1
2-Butanone	ND		10		ug/L			08/04/21 23:40	1
2-Hexanone	ND		3.0		ug/L			08/04/21 23:40	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 23:40	1
Acetone	ND		10		ug/L			08/04/21 23:40	1
Acrylonitrile	ND		10		ug/L			08/04/21 23:40	1
Benzene	ND		0.20		ug/L			08/04/21 23:40	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 23:40	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 23:40	1
Bromoform	ND		0.50		ug/L			08/04/21 23:40	1
Bromomethane	ND		0.50		ug/L			08/04/21 23:40	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 23:40	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 23:40	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 23:40	1

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

Lab Sample ID: MB 580-364005/7
Matrix: Water
Analysis Batch: 364005

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.50		ug/L			08/04/21 23:40	1
Chloroform	ND		0.20		ug/L			08/04/21 23:40	1
Chloromethane	ND		0.50		ug/L			08/04/21 23:40	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 23:40	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 23:40	1
Dibromomethane	ND		0.20		ug/L			08/04/21 23:40	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 23:40	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 23:40	1
Methyl iodide	ND		0.50		ug/L			08/04/21 23:40	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 23:40	1
o-Xylene	ND		0.50		ug/L			08/04/21 23:40	1
Styrene	ND		1.0		ug/L			08/04/21 23:40	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 23:40	1
Toluene	ND		0.20		ug/L			08/04/21 23:40	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 23:40	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 23:40	1
Trichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
Trichlorofluoromethane	ND		0.50		ug/L			08/04/21 23:40	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 23:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*08/04/21 23:40*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/04/21 23:40*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/04/21 23:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/04/21 23:40*	*1*

Lab Sample ID: LCS 580-364005/4
Matrix: Water
Analysis Batch: 364005

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	4.56		ug/L		91	69 - 127
1,1,1-Trichloroethane	5.00	4.83		ug/L		97	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.55		ug/L		91	67 - 136
1,1,2-Trichloroethane	5.00	4.88		ug/L		98	73 - 127
1,1-Dichloroethane	5.00	4.68		ug/L		94	74 - 120
1,1-Dichloroethene	5.00	5.04		ug/L		101	60 - 129
1,2,3-Trichloropropane	5.00	5.18		ug/L		104	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.53		ug/L		91	55 - 135
1,2-Dibromoethane	5.00	5.10		ug/L		102	61 - 143
1,2-Dichlorobenzene	5.00	5.00		ug/L		100	72 - 129
1,2-Dichloroethane	5.00	5.16		ug/L		103	74 - 127
1,2-Dichloropropane	5.00	4.89		ug/L		98	69 - 130
1,4-Dichlorobenzene	5.00	4.77		ug/L		95	71 - 129
2-Butanone	25.0	29.2		ug/L		117	37 - 150
2-Hexanone	25.0	27.2		ug/L		109	56 - 150

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

Lab Sample ID: LCS 580-364005/4
Matrix: Water
Analysis Batch: 364005

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone	25.0	27.0		ug/L		108	63 - 137
Acetone	25.0	22.2		ug/L		89	49 - 150
Acrylonitrile	50.0	49.9		ug/L		100	50 - 145
Benzene	5.00	4.88		ug/L		98	80 - 120
Bromochloromethane	5.00	4.79		ug/L		96	79 - 121
Bromodichloromethane	5.00	4.87		ug/L		97	74 - 131
Bromoform	5.00	4.86		ug/L		97	48 - 127
Bromomethane	5.00	4.07		ug/L		81	51 - 148
Carbon disulfide	5.00	4.54		ug/L		91	54 - 142
Carbon tetrachloride	5.00	4.71		ug/L		94	66 - 130
Chlorobenzene	5.00	5.10		ug/L		102	74 - 123
Chloroethane	5.00	4.11		ug/L		82	54 - 140
Chloroform	5.00	4.60		ug/L		92	75 - 120
Chloromethane	5.00	3.91		ug/L		78	32 - 150
cis-1,2-Dichloroethene	5.00	5.17		ug/L		103	72 - 120
cis-1,3-Dichloropropene	5.00	6.07		ug/L		121	77 - 131
Dibromochloromethane	5.00	5.06		ug/L		101	62 - 141
Dibromomethane	5.00	5.23		ug/L		105	65 - 141
Ethylbenzene	5.00	5.44		ug/L		109	80 - 124
m,p-Xylene	5.00	6.03		ug/L		121	75 - 124
Methyl iodide	5.00	5.04		ug/L		101	60 - 128
Methylene Chloride	5.00	4.75	J	ug/L		95	40 - 142
o-Xylene	5.00	5.50		ug/L		110	71 - 124
Styrene	5.00	5.05		ug/L		101	74 - 127
Tetrachloroethene	5.00	5.08		ug/L		102	75 - 124
Toluene	5.00	4.82		ug/L		96	80 - 126
trans-1,2-Dichloroethene	5.00	4.81		ug/L		96	69 - 121
trans-1,3-Dichloropropene	5.00	5.31		ug/L		106	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.85		ug/L		97	20 - 150
Trichloroethene	5.00	5.10		ug/L		102	72 - 120
Trichlorofluoromethane	5.00	4.36		ug/L		87	60 - 132
Vinyl acetate	12.5	14.7		ug/L		117	38 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-364005/5
Matrix: Water
Analysis Batch: 364005

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	4.25		ug/L		85	69 - 127	7	22
1,1,1-Trichloroethane	5.00	4.50		ug/L		90	70 - 121	7	24
1,1,2,2-Tetrachloroethane	5.00	4.09		ug/L		82	67 - 136	11	24
1,1,2-Trichloroethane	5.00	4.47		ug/L		89	73 - 127	9	22

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

Lab Sample ID: LCSD 580-364005/5
Matrix: Water
Analysis Batch: 364005

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-Dichloroethane			5.00	4.40		ug/L		88	74 - 120	6	26
1,1-Dichloroethene			5.00	4.70		ug/L		94	60 - 129	7	29
1,2,3-Trichloropropane			5.00	4.64		ug/L		93	67 - 135	11	25
1,2-Dibromo-3-Chloropropane			5.00	3.95		ug/L		79	55 - 135	14	29
1,2-Dibromoethane			5.00	4.60		ug/L		92	61 - 143	10	22
1,2-Dichlorobenzene			5.00	4.54		ug/L		91	72 - 129	10	22
1,2-Dichloroethane			5.00	4.66		ug/L		93	74 - 127	10	21
1,2-Dichloropropane			5.00	4.48		ug/L		90	69 - 130	9	22
1,4-Dichlorobenzene			5.00	4.37		ug/L		87	71 - 129	9	22
2-Butanone			25.0	25.2		ug/L		101	37 - 150	15	35
2-Hexanone			25.0	24.6		ug/L		98	56 - 150	10	29
4-Methyl-2-pentanone			25.0	24.7		ug/L		99	63 - 137	9	26
Acetone			25.0	19.7		ug/L		79	49 - 150	12	24
Acrylonitrile			50.0	45.9		ug/L		92	50 - 145	8	33
Benzene			5.00	4.45		ug/L		89	80 - 120	9	22
Bromochloromethane			5.00	4.42		ug/L		88	79 - 121	8	20
Bromodichloromethane			5.00	4.41		ug/L		88	74 - 131	10	21
Bromoform			5.00	4.38		ug/L		88	48 - 127	10	23
Bromomethane			5.00	3.73		ug/L		75	51 - 148	9	35
Carbon disulfide			5.00	4.29		ug/L		86	54 - 142	6	34
Carbon tetrachloride			5.00	4.33		ug/L		87	66 - 130	8	24
Chlorobenzene			5.00	4.66		ug/L		93	74 - 123	9	21
Chloroethane			5.00	3.90		ug/L		78	54 - 140	5	33
Chloroform			5.00	4.27		ug/L		85	75 - 120	8	21
Chloromethane			5.00	3.70		ug/L		74	32 - 150	6	33
cis-1,2-Dichloroethene			5.00	4.83		ug/L		97	72 - 120	7	22
cis-1,3-Dichloropropene			5.00	5.51		ug/L		110	77 - 131	10	24
Dibromochloromethane			5.00	4.62		ug/L		92	62 - 141	9	22
Dibromomethane			5.00	4.69		ug/L		94	65 - 141	11	22
Ethylbenzene			5.00	5.00		ug/L		100	80 - 124	8	22
m,p-Xylene			5.00	5.55		ug/L		111	75 - 124	8	22
Methyl iodide			5.00	4.76		ug/L		95	60 - 128	6	39
Methylene Chloride			5.00	4.50	J	ug/L		90	40 - 142	5	25
o-Xylene			5.00	5.19		ug/L		104	71 - 124	6	23
Styrene			5.00	4.61		ug/L		92	74 - 127	9	22
Tetrachloroethene			5.00	4.64		ug/L		93	75 - 124	9	20
Toluene			5.00	4.43		ug/L		89	80 - 126	8	20
trans-1,2-Dichloroethene			5.00	4.54		ug/L		91	69 - 121	6	27
trans-1,3-Dichloropropene			5.00	4.78		ug/L		96	71 - 138	10	26
trans-1,4-Dichloro-2-butene			5.00	4.20		ug/L		84	20 - 150	14	35
Trichloroethene			5.00	4.63		ug/L		93	72 - 120	10	22
Trichlorofluoromethane			5.00	4.10		ug/L		82	60 - 132	6	32
Vinyl acetate			12.5	13.3		ug/L		106	38 - 150	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*

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

Lab Sample ID: LCSD 580-364005/5
Matrix: Water
Analysis Batch: 364005

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 580-364588/7
Matrix: Water
Analysis Batch: 364588

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			08/10/21 12:32	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/10/21 12:32	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/10/21 12:32	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/10/21 12:32	1
1,1-Dichloroethane	ND		0.20		ug/L			08/10/21 12:32	1
1,1-Dichloroethene	ND		0.20		ug/L			08/10/21 12:32	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/10/21 12:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/10/21 12:32	1
1,2-Dibromoethane	ND		0.10		ug/L			08/10/21 12:32	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/10/21 12:32	1
1,2-Dichloroethane	ND		0.20		ug/L			08/10/21 12:32	1
1,2-Dichloropropane	ND		0.20		ug/L			08/10/21 12:32	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/10/21 12:32	1
Benzene	ND		0.20		ug/L			08/10/21 12:32	1
Bromochloromethane	ND		0.20		ug/L			08/10/21 12:32	1
Bromodichloromethane	ND		0.20		ug/L			08/10/21 12:32	1
Bromoform	ND		0.50		ug/L			08/10/21 12:32	1
Bromomethane	ND		0.50		ug/L			08/10/21 12:32	1
Carbon tetrachloride	ND		0.20		ug/L			08/10/21 12:32	1
Chlorobenzene	ND		0.20		ug/L			08/10/21 12:32	1
Chloroethane	ND		0.50		ug/L			08/10/21 12:32	1
Chloroform	ND		0.20		ug/L			08/10/21 12:32	1
Chloromethane	ND		0.50		ug/L			08/10/21 12:32	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/10/21 12:32	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/10/21 12:32	1
Dibromochloromethane	ND		0.20		ug/L			08/10/21 12:32	1
Dibromomethane	ND		0.20		ug/L			08/10/21 12:32	1
Ethylbenzene	ND		0.20		ug/L			08/10/21 12:32	1
m,p-Xylene	ND		0.50		ug/L			08/10/21 12:32	1
Methylene Chloride	ND		5.0		ug/L			08/10/21 12:32	1
o-Xylene	ND		0.50		ug/L			08/10/21 12:32	1
Styrene	ND		1.0		ug/L			08/10/21 12:32	1
Tetrachloroethene	ND		0.50		ug/L			08/10/21 12:32	1
Toluene	ND		0.20		ug/L			08/10/21 12:32	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/10/21 12:32	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/10/21 12:32	1
Trichloroethene	ND		0.20		ug/L			08/10/21 12:32	1
Trichlorofluoromethane	ND		0.50		ug/L			08/10/21 12:32	1
Vinyl chloride	ND		0.020		ug/L			08/10/21 12:32	1

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

Lab Sample ID: MB 580-364588/7
Matrix: Water
Analysis Batch: 364588

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*08/10/21 12:32*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/10/21 12:32*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*08/10/21 12:32*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/10/21 12:32*	*1*

Lab Sample ID: LCS 580-364588/4
Matrix: Water
Analysis Batch: 364588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	5.00	4.99		ug/L		100	69 - 127
1,1,1-Trichloroethane	5.00	5.05		ug/L		101	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.14		ug/L		103	67 - 136
1,1,2-Trichloroethane	5.00	4.89		ug/L		98	73 - 127
1,1-Dichloroethane	5.00	4.89		ug/L		98	74 - 120
1,1-Dichloroethene	5.00	4.75		ug/L		95	60 - 129
1,2,3-Trichloropropane	5.00	4.84		ug/L		97	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.73		ug/L		95	55 - 135
1,2-Dibromoethane	5.00	5.12		ug/L		102	61 - 143
1,2-Dichlorobenzene	5.00	4.99		ug/L		100	72 - 129
1,2-Dichloroethane	5.00	4.75		ug/L		95	74 - 127
1,2-Dichloropropane	5.00	4.92		ug/L		98	69 - 130
1,4-Dichlorobenzene	5.00	5.00		ug/L		100	71 - 129
Benzene	5.00	4.86		ug/L		97	80 - 120
Bromochloromethane	5.00	4.84		ug/L		97	79 - 121
Bromodichloromethane	5.00	5.08		ug/L		102	74 - 131
Bromoform	5.00	4.90		ug/L		98	48 - 127
Bromomethane	5.00	3.98		ug/L		80	51 - 148
Carbon tetrachloride	5.00	4.89		ug/L		98	66 - 130
Chlorobenzene	5.00	4.72		ug/L		94	74 - 123
Chloroethane	5.00	3.90		ug/L		78	54 - 140
Chloroform	5.00	4.85		ug/L		97	75 - 120
Chloromethane	5.00	3.86		ug/L		77	32 - 150
cis-1,2-Dichloroethene	5.00	4.71		ug/L		94	72 - 120
cis-1,3-Dichloropropene	5.00	5.52		ug/L		110	77 - 131
Dibromochloromethane	5.00	5.21		ug/L		104	62 - 141
Dibromomethane	5.00	5.01		ug/L		100	65 - 141
Ethylbenzene	5.00	5.19		ug/L		104	80 - 124
m,p-Xylene	5.00	5.23		ug/L		105	75 - 124
Methylene Chloride	5.00	5.05		ug/L		101	40 - 142
o-Xylene	5.00	5.01		ug/L		100	71 - 124
Styrene	5.00	5.32		ug/L		106	74 - 127
Tetrachloroethene	5.00	5.08		ug/L		102	75 - 124
Toluene	5.00	5.20		ug/L		104	80 - 126
trans-1,2-Dichloroethene	5.00	4.97		ug/L		99	69 - 121
trans-1,3-Dichloropropene	5.00	4.89		ug/L		98	71 - 138
Trichloroethene	5.00	5.09		ug/L		102	72 - 120
Trichlorofluoromethane	5.00	4.55		ug/L		91	60 - 132

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

Lab Sample ID: LCS 580-364588/4
Matrix: Water
Analysis Batch: 364588

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	4.28		ug/L		86	41 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 580-364588/5
Matrix: Water
Analysis Batch: 364588

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	4.94		ug/L		99	69 - 127	1	22
1,1,1-Trichloroethane			5.00	5.09		ug/L		102	70 - 121	1	24
1,1,2,2-Tetrachloroethane			5.00	5.23		ug/L		105	67 - 136	2	24
1,1,2-Trichloroethane			5.00	5.04		ug/L		101	73 - 127	3	22
1,1-Dichloroethane			5.00	4.96		ug/L		99	74 - 120	1	26
1,1-Dichloroethene			5.00	4.90		ug/L		98	60 - 129	3	29
1,2,3-Trichloropropane			5.00	4.99		ug/L		100	67 - 135	3	25
1,2-Dibromo-3-Chloropropane			5.00	4.98		ug/L		100	55 - 135	5	29
1,2-Dibromoethane			5.00	5.42		ug/L		108	61 - 143	6	22
1,2-Dichlorobenzene			5.00	4.95		ug/L		99	72 - 129	1	22
1,2-Dichloroethane			5.00	4.78		ug/L		96	74 - 127	1	21
1,2-Dichloropropane			5.00	4.90		ug/L		98	69 - 130	0	22
1,4-Dichlorobenzene			5.00	4.95		ug/L		99	71 - 129	1	22
Benzene			5.00	4.87		ug/L		97	80 - 120	0	22
Bromochloromethane			5.00	4.86		ug/L		97	79 - 121	0	20
Bromodichloromethane			5.00	5.11		ug/L		102	74 - 131	1	21
Bromoform			5.00	5.07		ug/L		101	48 - 127	3	23
Bromomethane			5.00	4.02		ug/L		80	51 - 148	1	35
Carbon tetrachloride			5.00	4.96		ug/L		99	66 - 130	2	24
Chlorobenzene			5.00	4.68		ug/L		94	74 - 123	1	21
Chloroethane			5.00	4.23		ug/L		85	54 - 140	8	33
Chloroform			5.00	4.94		ug/L		99	75 - 120	2	21
Chloromethane			5.00	3.94		ug/L		79	32 - 150	2	33
cis-1,2-Dichloroethene			5.00	4.74		ug/L		95	72 - 120	1	22
cis-1,3-Dichloropropene			5.00	5.52		ug/L		110	77 - 131	0	24
Dibromochloromethane			5.00	5.43		ug/L		109	62 - 141	4	22
Dibromomethane			5.00	4.99		ug/L		100	65 - 141	0	22
Ethylbenzene			5.00	5.06		ug/L		101	80 - 124	3	22
m,p-Xylene			5.00	5.11		ug/L		102	75 - 124	2	22
Methylene Chloride			5.00	5.02		ug/L		100	40 - 142	1	25
o-Xylene			5.00	4.95		ug/L		99	71 - 124	1	23
Styrene			5.00	5.24		ug/L		105	74 - 127	1	22
Tetrachloroethene			5.00	4.88		ug/L		98	75 - 124	4	20
Toluene			5.00	4.99		ug/L		100	80 - 126	4	20
trans-1,2-Dichloroethene			5.00	4.96		ug/L		99	69 - 121	0	27

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

Lab Sample ID: LCSD 580-364588/5
Matrix: Water
Analysis Batch: 364588

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
trans-1,3-Dichloropropene			5.00	5.35		ug/L		107	71 - 138	9	26
Trichloroethene			5.00	4.95		ug/L		99	72 - 120	3	22
Trichlorofluoromethane			5.00	4.54		ug/L		91	60 - 132	0	32
Vinyl chloride			5.00	4.29		ug/L		86	41 - 150	0	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-363819/22-A
Matrix: Water
Analysis Batch: 364039

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 363819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/03/21 08:35	08/03/21 17:23	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 17:23	1
Magnesium	ND		0.50		mg/L		08/03/21 08:35	08/03/21 17:23	1
Manganese	ND		0.020		mg/L		08/03/21 08:35	08/03/21 17:23	1
Potassium	ND		3.3		mg/L		08/03/21 08:35	08/03/21 17:23	1
Sodium	ND		0.50		mg/L		08/03/21 08:35	08/03/21 17:23	1

Lab Sample ID: LCS 580-363819/23-A
Matrix: Water
Analysis Batch: 364039

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 363819

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium			20.0	19.5		mg/L		98	80 - 120
Iron			20.0	19.4		mg/L		97	80 - 120
Magnesium			20.0	19.9		mg/L		99	80 - 120
Manganese			1.00	0.970		mg/L		97	80 - 120
Potassium			20.0	20.5		mg/L		102	80 - 120
Sodium			20.0	20.2		mg/L		101	80 - 120

Lab Sample ID: LCSD 580-363819/24-A
Matrix: Water
Analysis Batch: 364039

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 363819

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium			20.0	19.5		mg/L		97	80 - 120	0	20
Iron			20.0	19.3		mg/L		97	80 - 120	0	20
Magnesium			20.0	19.7		mg/L		99	80 - 120	1	20
Manganese			1.00	0.969		mg/L		97	80 - 120	0	20
Potassium			20.0	20.5		mg/L		103	80 - 120	0	20
Sodium			20.0	20.3		mg/L		101	80 - 120	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 580-104807-1 MS
Matrix: Water
Analysis Batch: 364039

Client Sample ID: 0721-01
Prep Type: Dissolved
Prep Batch: 363819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	100		20.0	121	4	mg/L		105	80 - 120
Iron	ND		20.0	19.4		mg/L		97	80 - 120
Magnesium	68		20.0	88.0		mg/L		101	80 - 120
Manganese	0.026		1.00	0.973		mg/L		95	80 - 120
Potassium	8.4		20.0	28.9		mg/L		103	80 - 120
Sodium	40		20.0	59.7		mg/L		98	80 - 120

Lab Sample ID: 580-104807-1 MSD
Matrix: Water
Analysis Batch: 364039

Client Sample ID: 0721-01
Prep Type: Dissolved
Prep Batch: 363819

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	100		20.0	120	4	mg/L		101	80 - 120	1	20
Iron	ND		20.0	19.3		mg/L		96	80 - 120	1	20
Magnesium	68		20.0	87.1		mg/L		97	80 - 120	1	20
Manganese	0.026		1.00	0.974		mg/L		95	80 - 120	0	20
Potassium	8.4		20.0	28.9		mg/L		103	80 - 120	0	20
Sodium	40		20.0	59.8		mg/L		98	80 - 120	0	20

Lab Sample ID: 580-104807-1 DU
Matrix: Water
Analysis Batch: 364039

Client Sample ID: 0721-01
Prep Type: Dissolved
Prep Batch: 363819

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	100		100		mg/L		0	20
Iron	ND		ND		mg/L		NC	20
Magnesium	68		67.6		mg/L		0.2	20
Manganese	0.026		ND		mg/L		NC	20
Potassium	8.4		8.18		mg/L		2	20
Sodium	40		39.5		mg/L		2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-363531/22-A
Matrix: Water
Analysis Batch: 363817

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 363531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		07/30/21 12:18	08/02/21 13:00	1
Antimony	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 13:00	1
Barium	ND		0.0012		mg/L		07/30/21 12:18	08/02/21 13:00	1
Beryllium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 13:00	1
Cadmium	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 13:00	1
Chromium	ND		0.00080		mg/L		07/30/21 12:18	08/02/21 13:00	1
Cobalt	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 13:00	1
Copper	ND		0.0020		mg/L		07/30/21 12:18	08/02/21 13:00	1
Lead	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 13:00	1
Nickel	ND		0.0030		mg/L		07/30/21 12:18	08/02/21 13:00	1
Selenium	ND		0.0080		mg/L		07/30/21 12:18	08/02/21 13:00	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-363531/22-A
Matrix: Water
Analysis Batch: 363817

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 363531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.00040		mg/L		07/30/21 12:18	08/02/21 13:00	1
Thallium	ND		0.0010		mg/L		07/30/21 12:18	08/02/21 13:00	1
Vanadium	ND		0.0040		mg/L		07/30/21 12:18	08/02/21 13:00	1
Zinc	ND		0.0070		mg/L		07/30/21 12:18	08/02/21 13:00	1

Lab Sample ID: LCS 580-363531/23-A
Matrix: Water
Analysis Batch: 363817

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 363531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.02		mg/L		102	80 - 120
Antimony	1.00	1.02		mg/L		102	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	1.00	1.03		mg/L		103	80 - 120
Cadmium	1.00	1.02		mg/L		102	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	1.04		mg/L		104	80 - 120
Lead	1.00	1.03		mg/L		103	80 - 120
Nickel	1.00	1.04		mg/L		104	80 - 120
Selenium	1.00	0.995		mg/L		100	80 - 120
Silver	1.00	1.02		mg/L		102	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	1.00	1.04		mg/L		104	80 - 120
Zinc	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCSD 580-363531/24-A
Matrix: Water
Analysis Batch: 363817

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 363531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	1.02		mg/L		102	80 - 120	0	20
Antimony	1.00	1.02		mg/L		102	80 - 120	0	20
Barium	1.00	1.02		mg/L		102	80 - 120	1	20
Beryllium	1.00	1.03		mg/L		103	80 - 120	0	20
Cadmium	1.00	1.02		mg/L		102	80 - 120	0	20
Chromium	1.00	1.03		mg/L		103	80 - 120	0	20
Cobalt	1.00	1.03		mg/L		103	80 - 120	1	20
Copper	1.00	1.04		mg/L		104	80 - 120	0	20
Lead	1.00	1.03		mg/L		103	80 - 120	1	20
Nickel	1.00	1.03		mg/L		103	80 - 120	1	20
Selenium	1.00	1.03		mg/L		103	80 - 120	3	20
Silver	1.00	1.03		mg/L		103	80 - 120	1	20
Thallium	1.00	1.04		mg/L		104	80 - 120	0	20
Vanadium	1.00	1.03		mg/L		103	80 - 120	1	20
Zinc	1.00	1.03		mg/L		103	80 - 120	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-363818/22-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 10:56	1
Antimony	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 10:56	1
Barium	ND		0.0012		mg/L		08/03/21 08:30	08/04/21 10:56	1
Beryllium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Cadmium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Chromium	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 10:56	1
Cobalt	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Copper	ND		0.0020		mg/L		08/03/21 08:30	08/04/21 10:56	1
Lead	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Nickel	ND		0.0030		mg/L		08/03/21 08:30	08/04/21 10:56	1
Selenium	ND		0.0080		mg/L		08/03/21 08:30	08/04/21 10:56	1
Silver	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Thallium	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 10:56	1
Vanadium	ND		0.0040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Zinc	ND		0.0070		mg/L		08/03/21 08:30	08/04/21 10:56	1

Lab Sample ID: LCS 580-363818/23-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			1.00	1.04		mg/L		104	80 - 120		
Antimony			1.00	1.03		mg/L		103	80 - 120		
Barium			1.00	1.02		mg/L		102	80 - 120		
Beryllium			1.00	1.03		mg/L		103	80 - 120		
Cadmium			1.00	1.03		mg/L		103	80 - 120		
Chromium			1.00	1.03		mg/L		103	80 - 120		
Cobalt			1.00	1.05		mg/L		105	80 - 120		
Copper			1.00	1.05		mg/L		105	80 - 120		
Lead			1.00	1.04		mg/L		104	80 - 120		
Nickel			1.00	1.04		mg/L		104	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	1.03		mg/L		103	80 - 120		
Vanadium			1.00	1.03		mg/L		103	80 - 120		
Zinc			1.00	1.03		mg/L		103	80 - 120		

Lab Sample ID: LCSD 580-363818/24-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			1.00	1.04		mg/L		104	80 - 120	1	20
Antimony			1.00	1.03		mg/L		103	80 - 120	1	20
Barium			1.00	1.03		mg/L		103	80 - 120	1	20
Beryllium			1.00	1.03		mg/L		103	80 - 120	1	20
Cadmium			1.00	1.04		mg/L		104	80 - 120	1	20
Chromium			1.00	1.05		mg/L		105	80 - 120	2	20
Cobalt			1.00	1.06		mg/L		106	80 - 120	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-363818/24-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	1.00	1.06		mg/L		106	80 - 120	1	20
Lead	1.00	1.06		mg/L		106	80 - 120	2	20
Nickel	1.00	1.06		mg/L		106	80 - 120	2	20
Selenium	1.00	1.03		mg/L		103	80 - 120	2	20
Silver	1.00	1.04		mg/L		104	80 - 120	1	20
Thallium	1.00	1.03		mg/L		103	80 - 120	0	20
Vanadium	1.00	1.05		mg/L		105	80 - 120	2	20
Zinc	1.00	1.06		mg/L		106	80 - 120	3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-363529/21
Matrix: Water
Analysis Batch: 363529

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.40		mg/L			07/29/21 13:08	1
Nitrate as N	ND		0.20		mg/L			07/29/21 13:08	1

Lab Sample ID: LCS 580-363529/22
Matrix: Water
Analysis Batch: 363529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	5.00	4.90		mg/L		98	90 - 110
Nitrate as N	5.00	4.75		mg/L		95	90 - 110

Lab Sample ID: LCSD 580-363529/23
Matrix: Water
Analysis Batch: 363529

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
Nitrite as N	5.00	4.91		mg/L		98	90 - 110	0	15
Nitrate as N	5.00	4.76		mg/L		95	90 - 110	0	15

Lab Sample ID: 580-104807-10 MS
Matrix: Water
Analysis Batch: 363529

Client Sample ID: 0721-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND		5.00	5.13		mg/L		103	90 - 110
Nitrate as N	ND		5.00	4.60		mg/L		91	90 - 110

Lab Sample ID: 580-104807-10 MSD
Matrix: Water
Analysis Batch: 363529

Client Sample ID: 0721-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as N	ND		5.00	5.13		mg/L		103	90 - 110	0	15
Nitrate as N	ND		5.00	4.61		mg/L		91	90 - 110	0	15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 580-364727/3
Matrix: Water
Analysis Batch: 364727

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			08/10/21 18:22	1
Chloride	ND		1.5		mg/L			08/10/21 18:22	1
Sulfate	ND		1.5		mg/L			08/10/21 18:22	1

Lab Sample ID: LCS 580-364727/4
Matrix: Water
Analysis Batch: 364727

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	4.73		mg/L		95	90 - 110
Chloride	50.0	50.6		mg/L		101	90 - 110
Sulfate	50.0	48.9		mg/L		98	90 - 110

Lab Sample ID: LCSD 580-364727/5
Matrix: Water
Analysis Batch: 364727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	5.00	4.75		mg/L		95	90 - 110	0	15
Chloride	50.0	50.6		mg/L		101	90 - 110	0	15
Sulfate	50.0	48.9		mg/L		98	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-363649/1-A
Matrix: Water
Analysis Batch: 363664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 363649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1

Lab Sample ID: LCS 580-363649/2-A
Matrix: Water
Analysis Batch: 363664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 363649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	1.83		mg/L		92	90 - 110

Lab Sample ID: 580-104807-1 MS
Matrix: Water
Analysis Batch: 363664

Client Sample ID: 0721-01
Prep Type: Total/NA
Prep Batch: 363649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	ND		2.00	2.11		mg/L		106	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 580-104807-1 MSD — **Client Sample ID: 0721-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363664 — **Prep Batch: 363649**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND		2.00	2.05		mg/L		103	90 - 110	3	20

Lab Sample ID: 580-104807-1 DU — **Client Sample ID: 0721-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363664 — **Prep Batch: 363649**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	ND			ND		mg/L				NC	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-363560/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363560

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			100	98.3		mg/L		98	85 - 115		

Lab Sample ID: 580-104807-1 DU — **Client Sample ID: 0721-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363560

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	450			461		mg/L				3	17
Bicarbonate Alkalinity as CaCO3	450			461		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 580-363783/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363783

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10		mg/L			08/02/21 16:36	1

Lab Sample ID: LCS 580-363783/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363783

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: 580-104807-6 DU — **Client Sample ID: 0721-06**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 363783

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	270			266		mg/L				2	20

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 580-104807-7 DU
Matrix: Water
Analysis Batch: 363783

Client Sample ID: 0721-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1300			1310		mg/L				0	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-363544/3-A
Matrix: Water
Analysis Batch: 363585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 363544

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:17	07/30/21 18:35	1

Lab Sample ID: LCS 580-363544/4-A
Matrix: Water
Analysis Batch: 363585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 363544

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			75.0	70.2		mg/L		94	80 - 120		

Lab Sample ID: LCSD 580-363544/5-A
Matrix: Water
Analysis Batch: 363585

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 363544

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	68.4		mg/L		91	80 - 120	3	20

Lab Sample ID: 580-104807-1 MS
Matrix: Water
Analysis Batch: 363585

Client Sample ID: 0721-01
Prep Type: Total/NA
Prep Batch: 363544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	ND		25.0	25.8		mg/L		103	75 - 125		

Lab Sample ID: 580-104807-1 DU
Matrix: Water
Analysis Batch: 363585

Client Sample ID: 0721-01
Prep Type: Total/NA
Prep Batch: 363544

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 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-364646/11
Matrix: Water
Analysis Batch: 364646

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			08/10/21 04:01	1

Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 580-364646/12
Matrix: Water
Analysis Batch: 364646

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			10.0	10.7		mg/L		107	85 - 115		

Lab Sample ID: LCSD 580-364646/13
Matrix: Water
Analysis Batch: 364646

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			10.0	11.1		mg/L		111	85 - 115	4	20

Lab Sample ID: 580-104807-1 MS
Matrix: Water
Analysis Batch: 364646

Client Sample ID: 0721-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	4.5	F1	10.0	13.0		mg/L		85	85 - 115		

Lab Sample ID: 580-104807-1 MSD
Matrix: Water
Analysis Batch: 364646

Client Sample ID: 0721-01
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	4.5	F1	10.0	12.7	F1	mg/L		82	85 - 115	2	20

Lab Sample ID: 580-104807-1 DU
Matrix: Water
Analysis Batch: 364646

Client Sample ID: 0721-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon	4.5	F1		4.53		mg/L				2	20

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-01
Date Collected: 07/27/21 10:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	363841	08/03/21 18:05	T1W	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 17:32	C1K	FGS SEA
Total Recoverable	Prep	3005A			363531	07/30/21 12:18	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	363817	08/02/21 14:51	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363529	07/29/21 09:38	E1S	FGS SEA
Total/NA	Analysis	300.0		1	364727	08/10/21 18:57	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 07:43	R1K	FGS SEA

Client Sample ID: 0721-02
Date Collected: 07/27/21 11:11
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	363841	08/03/21 18:29	T1W	FGS SEA

Client Sample ID: 0721-03
Date Collected: 07/27/21 12:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	363841	08/03/21 18:54	T1W	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 17:57	C1K	FGS SEA
Total Recoverable	Prep	3005A			363531	07/30/21 12:18	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	363817	08/02/21 14:55	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363529	07/29/21 10:01	E1S	FGS SEA
Total/NA	Analysis	300.0		1	364727	08/10/21 19:09	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 08:47	R1K	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-04
Date Collected: 07/27/21 13:05
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	363869	08/04/21 14:03	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:00	C1K	FGS SEA
Total Recoverable	Prep	3005A			363531	07/30/21 12:18	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	363817	08/02/21 14:59	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363529	07/29/21 10:25	E1S	FGS SEA
Total/NA	Analysis	300.0		1	364727	08/10/21 19:20	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 09:02	R1K	FGS SEA

Client Sample ID: 0721-05
Date Collected: 07/27/21 14:10
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	363869	08/04/21 14:28	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:04	C1K	FGS SEA
Total Recoverable	Prep	3005A			363818	08/03/21 08:30	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	364064	08/04/21 11:52	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363529	07/29/21 10:48	E1S	FGS SEA
Total/NA	Analysis	300.0		1	364727	08/10/21 19:32	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 09:18	R1K	FGS SEA

Client Sample ID: 0721-06
Date Collected: 07/27/21 15:25
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	363869	08/04/21 14:53	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:07	C1K	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: 0721-06

Date Collected: 07/27/21 15:25
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			363818	08/03/21 08:30	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	364064	08/04/21 11:55	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363529	07/29/21 11:11	E1S	FGS SEA
Total/NA	Analysis	300.0		1	364727	08/10/21 19:44	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 09:34	R1K	FGS SEA

Client Sample ID: 0721-07

Date Collected: 07/27/21 16:45
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	4	364588	08/10/21 19:18	W1T	FGS SEA
Total/NA	Analysis	8260D		1	363869	08/04/21 15:17	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:10	C1K	FGS SEA
Total Recoverable	Prep	3005A			363531	07/30/21 12:18	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	363817	08/02/21 14:44	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363529	07/29/21 11:58	E1S	FGS SEA
Total/NA	Analysis	300.0		1	364727	08/10/21 19:56	E1S	FGS SEA
Total/NA	Analysis	300.0		10	364727	08/10/21 20:07	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 10:21	R1K	FGS SEA

Client Sample ID: 0721-08

Date Collected: 07/27/21 17:43
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	364588	08/10/21 14:08	W1T	FGS SEA
Total/NA	Analysis	8260D		1	363869	08/04/21 15:42	CJ	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Client Sample ID: Trip Blank
Date Collected: 07/27/21 00:01
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	363869	08/04/21 16:07	CJ	FGS SEA

Client Sample ID: 0721-09
Date Collected: 07/28/21 09:00
Date Received: 07/28/21 11:30

Lab Sample ID: 580-104807-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	364588	08/10/21 14:32	W1T	FGS SEA
Total/NA	Analysis	8260D		1	364005	08/05/21 00:04	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:13	C1K	FGS SEA
Total Recoverable	Prep	3005A			363531	07/30/21 12:18	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	363817	08/02/21 14:48	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363529	07/29/21 12:22	E1S	FGS SEA
Total/NA	Analysis	300.0		1	364727	08/10/21 20:42	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 10:37	R1K	FGS SEA

Laboratory References:
FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Laboratory: Eurofins FGS, 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	07-13-22

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 as N
300.0		Water	Nitrite as N
300.0		Water	Sulfate
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 5310B		Water	Total Organic Carbon

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-104807-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-104807-1	0721-01	Water	07/27/21 10:00	07/28/21 11:30
580-104807-2	0721-02	Water	07/27/21 11:11	07/28/21 11:30
580-104807-3	0721-03	Water	07/27/21 12:00	07/28/21 11:30
580-104807-4	0721-04	Water	07/27/21 13:05	07/28/21 11:30
580-104807-5	0721-05	Water	07/27/21 14:10	07/28/21 11:30
580-104807-6	0721-06	Water	07/27/21 15:25	07/28/21 11:30
580-104807-7	0721-07	Water	07/27/21 16:45	07/28/21 11:30
580-104807-8	0721-08	Water	07/27/21 17:43	07/28/21 11:30
580-104807-9	Trip Blank	Water	07/27/21 00:01	07/28/21 11:30
580-104807-10	0721-09	Water	07/28/21 09:00	07/28/21 11:30

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

580-104807 Chain of Custody

eurofins Environment Testing America

Client Information	Sampler: Sam G.	Lab PM: Lewis, Nathan A	COC No: 580-44250-14147.2
Client Contact: Mr. Sam Graber	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: WA
Company: SCS Engineers	PWSID:		Page: Page ~~2 of 2~~ 1 of 1
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: Standard	Analysis Requested	Job #: 04207033.14
City: Bellevue	TAT Requested (days):		
State, Zip: WA, 98005-1877	Compliance Project: X Yes ∆ No		
Phone: 425-289-5455(Tel)	PO #: Purchase Order not required		
Email: SGraber@scsengineers.com	WO #:		
Project Name: Coupeville 2Q20	Project #: 58009563		
Site: Washington	SSOW#:		

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	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, 5220D	2320B, 300.0_28D, 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	D	D	S	A	N		
0721-01	7/27/21	1000	G	Water	Y	N	X	X	X	X	X	X	X	10	
0721-02		1111		Water	N							X		3	
0721-03		1200		Water	Y		X	X	X	X	X	X	X	10	
0721-04		1305			Y		X	X	X	X	X	X	X	10	
0721-05		1410			Y		X	X	X	X	X	X	X	10	
0721-06		1525			Y		X	X	X	X	X	X	X	10	
0721-07		1645			Y		X	X	X	X	X	X	X	10	
0721-08		1743	↓		N							X		3	
Trip blank	↓	–	–	↓	N	↓						X		2	
0721-04	7/28/21	900	G	W	Y	↓	X	X	X	X	X	X	X	10	

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
	7/28/21 930	SCS		7/28/21 11:30	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

1048807

Therm. ID: IR9 Cor: 4.9° Unc: 4.9°
Cooler Dsc: Lg Bl
Packing: Bub
Cust. Seal: Yes___No X
Blue Ice, (Wet) Dry, None
FedEx:
UPS:
Lab Cour: X
Other:

Therm. ID: A2 Cor: 0.9° Unc: 1.0°
Cooler Dsc: Lg Bl
Packing: Bub
Cust. Seal: Yes___No X
Blue Ice, (Wet) Dry, None
FedEx:
UPS:
Lab Cour: X
Other:

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-104807-1

Login Number: 104807
List Number: 1
Creator: Presley, Kim A

List Source: Eurofins FGS, 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	

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ANALYTICAL REPORT

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-104827-1
Client Project/Site: Coupeville 3Q21
Sampling Event: Coupeville Solid Waste Facility GW

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
8/12/2021 12:02:22 PM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 4
Client Sample Results 5
QC Sample Results 11
Chronicle 20
Certification Summary 22
Sample Summary 23
Chain of Custody 24
Receipt Checklists 26

Job ID: 580-104827-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative
580-104827-1

Comments
No additional comments.

Receipt
The samples were received on 7/29/2021 11:54 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method 8260D: The CCVIS for analytical batch 580-364005 recovered outside control limits for the following analyte(s): Dichlorodifluoromethane, Chloroethane, Chloromethane and Bromomethane. Dichlorodifluoromethane, Chloroethane, Chloromethane and Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-364005 recovered outside acceptance criteria, low biased, for Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-364005 recovered above the upper control limit for N-Propylbenzene, 1,1-Dichloropropene and tert-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (590-15599-F-8).

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

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

General Chemistry
Method 300.0: Due to the high concentration of Chloride and Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 580-363987 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-363532 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 5310B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-364646 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville 3Q21

Job ID: 580-104827-1

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.

General Chemistry

Qualifier	Qualifier Description
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 3Q21

Job ID: 580-104827-1

Client Sample ID: 0721-10
Date Collected: 07/28/21 10:10
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-1
Matrix: Water

Method: 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			08/05/21 01:42	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/05/21 01:42	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/05/21 01:42	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/05/21 01:42	1
1,1-Dichloroethane	ND		0.20		ug/L			08/05/21 01:42	1
1,1-Dichloroethene	ND		0.20		ug/L			08/05/21 01:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/05/21 01:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/05/21 01:42	1
1,2-Dibromoethane	ND		0.10		ug/L			08/05/21 01:42	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/05/21 01:42	1
1,2-Dichloroethane	ND		0.20		ug/L			08/05/21 01:42	1
1,2-Dichloropropane	ND		0.20		ug/L			08/05/21 01:42	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/05/21 01:42	1
2-Butanone	ND		10		ug/L			08/05/21 01:42	1
2-Hexanone	ND		3.0		ug/L			08/05/21 01:42	1
4-Methyl-2-pentanone	ND		10		ug/L			08/05/21 01:42	1
Acetone	ND		10		ug/L			08/05/21 01:42	1
Acrylonitrile	ND		10		ug/L			08/05/21 01:42	1
Benzene	ND		0.20		ug/L			08/05/21 01:42	1
Bromochloromethane	ND		0.20		ug/L			08/05/21 01:42	1
Bromodichloromethane	ND		0.20		ug/L			08/05/21 01:42	1
Bromoform	ND		0.50		ug/L			08/05/21 01:42	1
Bromomethane	ND		0.50		ug/L			08/05/21 01:42	1
Carbon disulfide	ND		0.30		ug/L			08/05/21 01:42	1
Carbon tetrachloride	ND		0.20		ug/L			08/05/21 01:42	1
Chlorobenzene	ND		0.20		ug/L			08/05/21 01:42	1
Chloroethane	ND		0.50		ug/L			08/05/21 01:42	1
Chloroform	**0.33**		0.20		ug/L			08/05/21 01:42	1
Chloromethane	ND		0.50		ug/L			08/05/21 01:42	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 01:42	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 01:42	1
Dibromochloromethane	ND		0.20		ug/L			08/05/21 01:42	1
Dibromomethane	ND		0.20		ug/L			08/05/21 01:42	1
Ethylbenzene	ND		0.20		ug/L			08/05/21 01:42	1
m,p-Xylene	ND		0.50		ug/L			08/05/21 01:42	1
Methyl iodide	ND		0.50		ug/L			08/05/21 01:42	1
Methylene Chloride	ND		5.0		ug/L			08/05/21 01:42	1
o-Xylene	ND		0.50		ug/L			08/05/21 01:42	1
Styrene	ND		1.0		ug/L			08/05/21 01:42	1
Tetrachloroethene	ND		0.50		ug/L			08/05/21 01:42	1
Toluene	ND		0.20		ug/L			08/05/21 01:42	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 01:42	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 01:42	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/05/21 01:42	1
Trichloroethene	ND		0.20		ug/L			08/05/21 01:42	1
Trichlorofluoromethane	ND		0.50		ug/L			08/05/21 01:42	1
Vinyl acetate	ND		2.0		ug/L			08/05/21 01:42	1
Vinyl chloride	ND		0.020		ug/L			08/05/21 01:42	1

Client Sample ID: 0721-10

Date Collected: 07/28/21 10:10
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*08/05/21 01:42*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*08/05/21 01:42*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/05/21 01:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/05/21 01:42*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**77**		0.50		mg/L		08/03/21 08:35	08/03/21 18:17	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 18:17	1
Magnesium	**45**		0.50		mg/L		08/03/21 08:35	08/03/21 18:17	1
Manganese	ND		0.020		mg/L		08/03/21 08:35	08/03/21 18:17	1
Potassium	**5.5**		3.3		mg/L		08/03/21 08:35	08/03/21 18:17	1
Sodium	**32**		0.50		mg/L		08/03/21 08:35	08/03/21 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0036**		0.0010		mg/L		08/03/21 08:30	08/04/21 11:59	1
Antimony	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 11:59	1
Barium	**0.024**		0.0012		mg/L		08/03/21 08:30	08/04/21 11:59	1
Beryllium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:59	1
Cadmium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:59	1
Chromium	**0.0031**		0.00080		mg/L		08/03/21 08:30	08/04/21 11:59	1
Cobalt	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:59	1
Copper	**0.027**		0.0020		mg/L		08/03/21 08:30	08/04/21 11:59	1
Lead	**0.00068**		0.00040		mg/L		08/03/21 08:30	08/04/21 11:59	1
Nickel	ND		0.0030		mg/L		08/03/21 08:30	08/04/21 11:59	1
Selenium	ND		0.0080		mg/L		08/03/21 08:30	08/04/21 11:59	1
Silver	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 11:59	1
Thallium	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 11:59	1
Vanadium	ND		0.0040		mg/L		08/03/21 08:30	08/04/21 11:59	1
Zinc	**0.028**		0.0070		mg/L		08/03/21 08:30	08/04/21 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.20**		0.20		mg/L			08/03/21 15:24	1
Chloride	**56**		1.5		mg/L			08/03/21 15:24	1
Nitrite as N	ND		0.40		mg/L			07/29/21 20:00	1
Sulfate	**47**		1.5		mg/L			08/03/21 15:24	1
Nitrate as N	**1.8**		0.20		mg/L			07/29/21 20:00	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**3.2**		1.5		mg/L			08/10/21 10:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**330**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**330**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**360**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 3Q21

Job ID: 580-104827-1

Client Sample ID: 0721-11
Date Collected: 07/28/21 10:45
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-2
Matrix: Water

Method: 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			08/05/21 02:07	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/05/21 02:07	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/05/21 02:07	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/05/21 02:07	1
1,1-Dichloroethane	ND		0.20		ug/L			08/05/21 02:07	1
1,1-Dichloroethene	ND		0.20		ug/L			08/05/21 02:07	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/05/21 02:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/05/21 02:07	1
1,2-Dibromoethane	ND		0.10		ug/L			08/05/21 02:07	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/05/21 02:07	1
1,2-Dichloroethane	ND		0.20		ug/L			08/05/21 02:07	1
1,2-Dichloropropane	ND		0.20		ug/L			08/05/21 02:07	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/05/21 02:07	1
2-Butanone	ND		10		ug/L			08/05/21 02:07	1
2-Hexanone	ND		3.0		ug/L			08/05/21 02:07	1
4-Methyl-2-pentanone	ND		10		ug/L			08/05/21 02:07	1
Acetone	ND		10		ug/L			08/05/21 02:07	1
Acrylonitrile	ND		10		ug/L			08/05/21 02:07	1
Benzene	ND		0.20		ug/L			08/05/21 02:07	1
Bromochloromethane	ND		0.20		ug/L			08/05/21 02:07	1
Bromodichloromethane	ND		0.20		ug/L			08/05/21 02:07	1
Bromoform	ND		0.50		ug/L			08/05/21 02:07	1
Bromomethane	ND		0.50		ug/L			08/05/21 02:07	1
Carbon disulfide	ND		0.30		ug/L			08/05/21 02:07	1
Carbon tetrachloride	ND		0.20		ug/L			08/05/21 02:07	1
Chlorobenzene	ND		0.20		ug/L			08/05/21 02:07	1
Chloroethane	ND		0.50		ug/L			08/05/21 02:07	1
Chloroform	ND		0.20		ug/L			08/05/21 02:07	1
Chloromethane	ND		0.50		ug/L			08/05/21 02:07	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 02:07	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 02:07	1
Dibromochloromethane	ND		0.20		ug/L			08/05/21 02:07	1
Dibromomethane	ND		0.20		ug/L			08/05/21 02:07	1
Ethylbenzene	ND		0.20		ug/L			08/05/21 02:07	1
m,p-Xylene	ND		0.50		ug/L			08/05/21 02:07	1
Methyl iodide	ND		0.50		ug/L			08/05/21 02:07	1
Methylene Chloride	ND		5.0		ug/L			08/05/21 02:07	1
o-Xylene	ND		0.50		ug/L			08/05/21 02:07	1
Styrene	ND		1.0		ug/L			08/05/21 02:07	1
Tetrachloroethene	ND		0.50		ug/L			08/05/21 02:07	1
Toluene	ND		0.20		ug/L			08/05/21 02:07	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 02:07	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 02:07	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/05/21 02:07	1
Trichloroethene	ND		0.20		ug/L			08/05/21 02:07	1
Trichlorofluoromethane	ND		0.50		ug/L			08/05/21 02:07	1
Vinyl acetate	ND		2.0		ug/L			08/05/21 02:07	1
Vinyl chloride	ND		0.020		ug/L			08/05/21 02:07	1

Client Sample ID: 0721-11
Date Collected: 07/28/21 10:45
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*08/05/21 02:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*08/05/21 02:07*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*08/05/21 02:07*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/05/21 02:07*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**76**		0.50		mg/L		08/03/21 08:35	08/03/21 18:20	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 18:20	1
Magnesium	**44**		0.50		mg/L		08/03/21 08:35	08/03/21 18:20	1
Manganese	ND		0.020		mg/L		08/03/21 08:35	08/03/21 18:20	1
Potassium	**5.6**		3.3		mg/L		08/03/21 08:35	08/03/21 18:20	1
Sodium	**29**		0.50		mg/L		08/03/21 08:35	08/03/21 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0035**		0.0010		mg/L		08/03/21 08:30	08/04/21 12:03	1
Antimony	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 12:03	1
Barium	**0.020**		0.0012		mg/L		08/03/21 08:30	08/04/21 12:03	1
Beryllium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:03	1
Cadmium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:03	1
Chromium	**0.0017**		0.00080		mg/L		08/03/21 08:30	08/04/21 12:03	1
Cobalt	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:03	1
Copper	**0.0027**		0.0020		mg/L		08/03/21 08:30	08/04/21 12:03	1
Lead	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:03	1
Nickel	ND		0.0030		mg/L		08/03/21 08:30	08/04/21 12:03	1
Selenium	ND		0.0080		mg/L		08/03/21 08:30	08/04/21 12:03	1
Silver	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:03	1
Thallium	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 12:03	1
Vanadium	**0.0062**		0.0040		mg/L		08/03/21 08:30	08/04/21 12:03	1
Zinc	ND		0.0070		mg/L		08/03/21 08:30	08/04/21 12:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.23**		0.20		mg/L			08/03/21 15:48	1
Chloride	**66**		1.5		mg/L			08/03/21 15:48	1
Nitrite as N	ND		0.40		mg/L			07/29/21 20:23	1
Sulfate	**58**		1.5		mg/L			08/03/21 15:48	1
Nitrate as N	**0.44**	**F1**	0.20		mg/L			07/29/21 20:23	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**3.3**		1.5		mg/L			08/10/21 11:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**290**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**290**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**440**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

Client: SCS Engineers
Project/Site: Coupeville 3Q21

Job ID: 580-104827-1

Client Sample ID: 0721-12
Date Collected: 07/28/21 11:00
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-3
Matrix: Water

Method: 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			08/05/21 02:32	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/05/21 02:32	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/05/21 02:32	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/05/21 02:32	1
1,1-Dichloroethane	ND		0.20		ug/L			08/05/21 02:32	1
1,1-Dichloroethene	ND		0.20		ug/L			08/05/21 02:32	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/05/21 02:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/05/21 02:32	1
1,2-Dibromoethane	ND		0.10		ug/L			08/05/21 02:32	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/05/21 02:32	1
1,2-Dichloroethane	ND		0.20		ug/L			08/05/21 02:32	1
1,2-Dichloropropane	ND		0.20		ug/L			08/05/21 02:32	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/05/21 02:32	1
2-Butanone	ND		10		ug/L			08/05/21 02:32	1
2-Hexanone	ND		3.0		ug/L			08/05/21 02:32	1
4-Methyl-2-pentanone	ND		10		ug/L			08/05/21 02:32	1
Acetone	ND		10		ug/L			08/05/21 02:32	1
Acrylonitrile	ND		10		ug/L			08/05/21 02:32	1
Benzene	ND		0.20		ug/L			08/05/21 02:32	1
Bromochloromethane	ND		0.20		ug/L			08/05/21 02:32	1
Bromodichloromethane	ND		0.20		ug/L			08/05/21 02:32	1
Bromoform	ND		0.50		ug/L			08/05/21 02:32	1
Bromomethane	ND		0.50		ug/L			08/05/21 02:32	1
Carbon disulfide	ND		0.30		ug/L			08/05/21 02:32	1
Carbon tetrachloride	ND		0.20		ug/L			08/05/21 02:32	1
Chlorobenzene	ND		0.20		ug/L			08/05/21 02:32	1
Chloroethane	ND		0.50		ug/L			08/05/21 02:32	1
Chloroform	ND		0.20		ug/L			08/05/21 02:32	1
Chloromethane	ND		0.50		ug/L			08/05/21 02:32	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 02:32	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 02:32	1
Dibromochloromethane	ND		0.20		ug/L			08/05/21 02:32	1
Dibromomethane	ND		0.20		ug/L			08/05/21 02:32	1
Ethylbenzene	ND		0.20		ug/L			08/05/21 02:32	1
m,p-Xylene	ND		0.50		ug/L			08/05/21 02:32	1
Methyl iodide	ND		0.50		ug/L			08/05/21 02:32	1
Methylene Chloride	ND		5.0		ug/L			08/05/21 02:32	1
o-Xylene	ND		0.50		ug/L			08/05/21 02:32	1
Styrene	ND		1.0		ug/L			08/05/21 02:32	1
Tetrachloroethene	ND		0.50		ug/L			08/05/21 02:32	1
Toluene	ND		0.20		ug/L			08/05/21 02:32	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/05/21 02:32	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/05/21 02:32	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/05/21 02:32	1
Trichloroethene	ND		0.20		ug/L			08/05/21 02:32	1
Trichlorofluoromethane	ND		0.50		ug/L			08/05/21 02:32	1
Vinyl acetate	ND		2.0		ug/L			08/05/21 02:32	1
Vinyl chloride	ND		0.020		ug/L			08/05/21 02:32	1

Client Sample ID: 0721-12
Date Collected: 07/28/21 11:00
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*08/05/21 02:32*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/05/21 02:32*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*08/05/21 02:32*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/05/21 02:32*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**76**		0.50		mg/L		08/03/21 08:35	08/03/21 18:23	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 18:23	1
Magnesium	**44**		0.50		mg/L		08/03/21 08:35	08/03/21 18:23	1
Manganese	ND		0.020		mg/L		08/03/21 08:35	08/03/21 18:23	1
Potassium	**5.6**		3.3		mg/L		08/03/21 08:35	08/03/21 18:23	1
Sodium	**29**		0.50		mg/L		08/03/21 08:35	08/03/21 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0036**		0.0010		mg/L		08/03/21 08:30	08/04/21 12:06	1
Antimony	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 12:06	1
Barium	**0.020**		0.0012		mg/L		08/03/21 08:30	08/04/21 12:06	1
Beryllium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:06	1
Cadmium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:06	1
Chromium	**0.0017**		0.00080		mg/L		08/03/21 08:30	08/04/21 12:06	1
Cobalt	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:06	1
Copper	**0.0032**		0.0020		mg/L		08/03/21 08:30	08/04/21 12:06	1
Lead	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:06	1
Nickel	ND		0.0030		mg/L		08/03/21 08:30	08/04/21 12:06	1
Selenium	ND		0.0080		mg/L		08/03/21 08:30	08/04/21 12:06	1
Silver	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 12:06	1
Thallium	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 12:06	1
Vanadium	**0.0063**		0.0040		mg/L		08/03/21 08:30	08/04/21 12:06	1
Zinc	ND		0.0070		mg/L		08/03/21 08:30	08/04/21 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.29**		0.20		mg/L			08/03/21 16:11	1
Chloride	**67**		1.5		mg/L			08/03/21 16:11	1
Nitrite as N	ND		0.40		mg/L			07/29/21 21:10	1
Sulfate	**58**		1.5		mg/L			08/03/21 16:11	1
Nitrate as N	**0.43**		0.20		mg/L			07/29/21 21:10	1
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1
Total Organic Carbon	**2.3**		1.5		mg/L			08/10/21 11:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**300**		7.0		mg/L			07/30/21 15:44	1
Bicarbonate Alkalinity as CaCO3	**300**		5.0		mg/L			07/30/21 15:44	1
Carbonate Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			07/30/21 15:44	1
Total Dissolved Solids	**410**		10		mg/L			08/02/21 16:36	1
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:19	07/30/21 18:35	1

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

Lab Sample ID: MB 580-364005/7
Matrix: Water
Analysis Batch: 364005

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			08/04/21 23:40	1
1,1,1-Trichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1,2-Trichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1-Dichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,1-Dichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
1,2,3-Trichloropropane	ND		0.20		ug/L			08/04/21 23:40	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			08/04/21 23:40	1
1,2-Dibromoethane	ND		0.10		ug/L			08/04/21 23:40	1
1,2-Dichlorobenzene	ND		0.30		ug/L			08/04/21 23:40	1
1,2-Dichloroethane	ND		0.20		ug/L			08/04/21 23:40	1
1,2-Dichloropropane	ND		0.20		ug/L			08/04/21 23:40	1
1,4-Dichlorobenzene	ND		0.30		ug/L			08/04/21 23:40	1
2-Butanone	ND		10		ug/L			08/04/21 23:40	1
2-Hexanone	ND		3.0		ug/L			08/04/21 23:40	1
4-Methyl-2-pentanone	ND		10		ug/L			08/04/21 23:40	1
Acetone	ND		10		ug/L			08/04/21 23:40	1
Acrylonitrile	ND		10		ug/L			08/04/21 23:40	1
Benzene	ND		0.20		ug/L			08/04/21 23:40	1
Bromochloromethane	ND		0.20		ug/L			08/04/21 23:40	1
Bromodichloromethane	ND		0.20		ug/L			08/04/21 23:40	1
Bromoform	ND		0.50		ug/L			08/04/21 23:40	1
Bromomethane	ND		0.50		ug/L			08/04/21 23:40	1
Carbon disulfide	ND		0.30		ug/L			08/04/21 23:40	1
Carbon tetrachloride	ND		0.20		ug/L			08/04/21 23:40	1
Chlorobenzene	ND		0.20		ug/L			08/04/21 23:40	1
Chloroethane	ND		0.50		ug/L			08/04/21 23:40	1
Chloroform	ND		0.20		ug/L			08/04/21 23:40	1
Chloromethane	ND		0.50		ug/L			08/04/21 23:40	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 23:40	1
Dibromochloromethane	ND		0.20		ug/L			08/04/21 23:40	1
Dibromomethane	ND		0.20		ug/L			08/04/21 23:40	1
Ethylbenzene	ND		0.20		ug/L			08/04/21 23:40	1
m,p-Xylene	ND		0.50		ug/L			08/04/21 23:40	1
Methyl iodide	ND		0.50		ug/L			08/04/21 23:40	1
Methylene Chloride	ND		5.0		ug/L			08/04/21 23:40	1
o-Xylene	ND		0.50		ug/L			08/04/21 23:40	1
Styrene	ND		1.0		ug/L			08/04/21 23:40	1
Tetrachloroethene	ND		0.50		ug/L			08/04/21 23:40	1
Toluene	ND		0.20		ug/L			08/04/21 23:40	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			08/04/21 23:40	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			08/04/21 23:40	1
Trichloroethene	ND		0.20		ug/L			08/04/21 23:40	1
Trichlorofluoromethane	ND		0.50		ug/L			08/04/21 23:40	1
Vinyl acetate	ND		2.0		ug/L			08/04/21 23:40	1
Vinyl chloride	ND		0.020		ug/L			08/04/21 23:40	1

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

Lab Sample ID: MB 580-364005/7
Matrix: Water
Analysis Batch: 364005

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*08/04/21 23:40*	*1*
4-Bromofluorobenzene (Surr)	*106*		*80 - 120*		*08/04/21 23:40*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/04/21 23:40*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/04/21 23:40*	*1*

Lab Sample ID: LCS 580-364005/4
Matrix: Water
Analysis Batch: 364005

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	4.56		ug/L		91	69 - 127
1,1,1-Trichloroethane	5.00	4.83		ug/L		97	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.55		ug/L		91	67 - 136
1,1,2-Trichloroethane	5.00	4.88		ug/L		98	73 - 127
1,1-Dichloroethane	5.00	4.68		ug/L		94	74 - 120
1,1-Dichloroethene	5.00	5.04		ug/L		101	60 - 129
1,2,3-Trichloropropane	5.00	5.18		ug/L		104	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.53		ug/L		91	55 - 135
1,2-Dibromoethane	5.00	5.10		ug/L		102	61 - 143
1,2-Dichlorobenzene	5.00	5.00		ug/L		100	72 - 129
1,2-Dichloroethane	5.00	5.16		ug/L		103	74 - 127
1,2-Dichloropropane	5.00	4.89		ug/L		98	69 - 130
1,4-Dichlorobenzene	5.00	4.77		ug/L		95	71 - 129
2-Butanone	25.0	29.2		ug/L		117	37 - 150
2-Hexanone	25.0	27.2		ug/L		109	56 - 150
4-Methyl-2-pentanone	25.0	27.0		ug/L		108	63 - 137
Acetone	25.0	22.2		ug/L		89	49 - 150
Acrylonitrile	50.0	49.9		ug/L		100	50 - 145
Benzene	5.00	4.88		ug/L		98	80 - 120
Bromochloromethane	5.00	4.79		ug/L		96	79 - 121
Bromodichloromethane	5.00	4.87		ug/L		97	74 - 131
Bromoform	5.00	4.86		ug/L		97	48 - 127
Bromomethane	5.00	4.07		ug/L		81	51 - 148
Carbon disulfide	5.00	4.54		ug/L		91	54 - 142
Carbon tetrachloride	5.00	4.71		ug/L		94	66 - 130
Chlorobenzene	5.00	5.10		ug/L		102	74 - 123
Chloroethane	5.00	4.11		ug/L		82	54 - 140
Chloroform	5.00	4.60		ug/L		92	75 - 120
Chloromethane	5.00	3.91		ug/L		78	32 - 150
cis-1,2-Dichloroethene	5.00	5.17		ug/L		103	72 - 120
cis-1,3-Dichloropropene	5.00	6.07		ug/L		121	77 - 131
Dibromochloromethane	5.00	5.06		ug/L		101	62 - 141
Dibromomethane	5.00	5.23		ug/L		105	65 - 141
Ethylbenzene	5.00	5.44		ug/L		109	80 - 124
m,p-Xylene	5.00	6.03		ug/L		121	75 - 124
Methyl iodide	5.00	5.04		ug/L		101	60 - 128
Methylene Chloride	5.00	4.75	J	ug/L		95	40 - 142
o-Xylene	5.00	5.50		ug/L		110	71 - 124

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

Lab Sample ID: LCS 580-364005/4
Matrix: Water
Analysis Batch: 364005

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	5.05		ug/L		101	74 - 127
Tetrachloroethene	5.00	5.08		ug/L		102	75 - 124
Toluene	5.00	4.82		ug/L		96	80 - 126
trans-1,2-Dichloroethene	5.00	4.81		ug/L		96	69 - 121
trans-1,3-Dichloropropene	5.00	5.31		ug/L		106	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.85		ug/L		97	20 - 150
Trichloroethene	5.00	5.10		ug/L		102	72 - 120
Trichlorofluoromethane	5.00	4.36		ug/L		87	60 - 132
Vinyl acetate	12.5	14.7		ug/L		117	38 - 150
Vinyl chloride	5.00	3.97		ug/L		79	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 580-364005/5
Matrix: Water
Analysis Batch: 364005

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	4.25		ug/L		85	69 - 127	7	22
1,1,1-Trichloroethane	5.00	4.50		ug/L		90	70 - 121	7	24
1,1,2,2-Tetrachloroethane	5.00	4.09		ug/L		82	67 - 136	11	24
1,1,2-Trichloroethane	5.00	4.47		ug/L		89	73 - 127	9	22
1,1-Dichloroethane	5.00	4.40		ug/L		88	74 - 120	6	26
1,1-Dichloroethene	5.00	4.70		ug/L		94	60 - 129	7	29
1,2,3-Trichloropropane	5.00	4.64		ug/L		93	67 - 135	11	25
1,2-Dibromo-3-Chloropropane	5.00	3.95		ug/L		79	55 - 135	14	29
1,2-Dibromoethane	5.00	4.60		ug/L		92	61 - 143	10	22
1,2-Dichlorobenzene	5.00	4.54		ug/L		91	72 - 129	10	22
1,2-Dichloroethane	5.00	4.66		ug/L		93	74 - 127	10	21
1,2-Dichloropropane	5.00	4.48		ug/L		90	69 - 130	9	22
1,4-Dichlorobenzene	5.00	4.37		ug/L		87	71 - 129	9	22
2-Butanone	25.0	25.2		ug/L		101	37 - 150	15	35
2-Hexanone	25.0	24.6		ug/L		98	56 - 150	10	29
4-Methyl-2-pentanone	25.0	24.7		ug/L		99	63 - 137	9	26
Acetone	25.0	19.7		ug/L		79	49 - 150	12	24
Acrylonitrile	50.0	45.9		ug/L		92	50 - 145	8	33
Benzene	5.00	4.45		ug/L		89	80 - 120	9	22
Bromochloromethane	5.00	4.42		ug/L		88	79 - 121	8	20
Bromodichloromethane	5.00	4.41		ug/L		88	74 - 131	10	21
Bromoform	5.00	4.38		ug/L		88	48 - 127	10	23
Bromomethane	5.00	3.73		ug/L		75	51 - 148	9	35
Carbon disulfide	5.00	4.29		ug/L		86	54 - 142	6	34
Carbon tetrachloride	5.00	4.33		ug/L		87	66 - 130	8	24
Chlorobenzene	5.00	4.66		ug/L		93	74 - 123	9	21

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

Lab Sample ID: LCSD 580-364005/5
Matrix: Water
Analysis Batch: 364005

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	3.90		ug/L		78	54 - 140	5	33
Chloroform	5.00	4.27		ug/L		85	75 - 120	8	21
Chloromethane	5.00	3.70		ug/L		74	32 - 150	6	33
cis-1,2-Dichloroethene	5.00	4.83		ug/L		97	72 - 120	7	22
cis-1,3-Dichloropropene	5.00	5.51		ug/L		110	77 - 131	10	24
Dibromochloromethane	5.00	4.62		ug/L		92	62 - 141	9	22
Dibromomethane	5.00	4.69		ug/L		94	65 - 141	11	22
Ethylbenzene	5.00	5.00		ug/L		100	80 - 124	8	22
m,p-Xylene	5.00	5.55		ug/L		111	75 - 124	8	22
Methyl iodide	5.00	4.76		ug/L		95	60 - 128	6	39
Methylene Chloride	5.00	4.50	J	ug/L		90	40 - 142	5	25
o-Xylene	5.00	5.19		ug/L		104	71 - 124	6	23
Styrene	5.00	4.61		ug/L		92	74 - 127	9	22
Tetrachloroethene	5.00	4.64		ug/L		93	75 - 124	9	20
Toluene	5.00	4.43		ug/L		89	80 - 126	8	20
trans-1,2-Dichloroethene	5.00	4.54		ug/L		91	69 - 121	6	27
trans-1,3-Dichloropropene	5.00	4.78		ug/L		96	71 - 138	10	26
trans-1,4-Dichloro-2-butene	5.00	4.20		ug/L		84	20 - 150	14	35
Trichloroethene	5.00	4.63		ug/L		93	72 - 120	10	22
Trichlorofluoromethane	5.00	4.10		ug/L		82	60 - 132	6	32
Vinyl acetate	12.5	13.3		ug/L		106	38 - 150	10	35
Vinyl chloride	5.00	3.81		ug/L		76	41 - 150	4	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-363819/22-A
Matrix: Water
Analysis Batch: 364039

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 363819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		08/03/21 08:35	08/03/21 17:23	1
Iron	ND		0.30		mg/L		08/03/21 08:35	08/03/21 17:23	1
Magnesium	ND		0.50		mg/L		08/03/21 08:35	08/03/21 17:23	1
Manganese	ND		0.020		mg/L		08/03/21 08:35	08/03/21 17:23	1
Potassium	ND		3.3		mg/L		08/03/21 08:35	08/03/21 17:23	1
Sodium	ND		0.50		mg/L		08/03/21 08:35	08/03/21 17:23	1

Lab Sample ID: LCS 580-363819/23-A
Matrix: Water
Analysis Batch: 364039

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 363819

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 580-363819/23-A
Matrix: Water
Analysis Batch: 364039

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 363819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	20.0	19.4		mg/L		97	80 - 120
Magnesium	20.0	19.9		mg/L		99	80 - 120
Manganese	1.00	0.970		mg/L		97	80 - 120
Potassium	20.0	20.5		mg/L		102	80 - 120
Sodium	20.0	20.2		mg/L		101	80 - 120

Lab Sample ID: LCSD 580-363819/24-A
Matrix: Water
Analysis Batch: 364039

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 363819

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	20.0	19.5		mg/L		97	80 - 120	0	20
Iron	20.0	19.3		mg/L		97	80 - 120	0	20
Magnesium	20.0	19.7		mg/L		99	80 - 120	1	20
Manganese	1.00	0.969		mg/L		97	80 - 120	0	20
Potassium	20.0	20.5		mg/L		103	80 - 120	0	20
Sodium	20.0	20.3		mg/L		101	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-363818/22-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 10:56	1
Antimony	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 10:56	1
Barium	ND		0.0012		mg/L		08/03/21 08:30	08/04/21 10:56	1
Beryllium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Cadmium	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Chromium	ND		0.00080		mg/L		08/03/21 08:30	08/04/21 10:56	1
Cobalt	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Copper	ND		0.0020		mg/L		08/03/21 08:30	08/04/21 10:56	1
Lead	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Nickel	ND		0.0030		mg/L		08/03/21 08:30	08/04/21 10:56	1
Selenium	ND		0.0080		mg/L		08/03/21 08:30	08/04/21 10:56	1
Silver	ND		0.00040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Thallium	ND		0.0010		mg/L		08/03/21 08:30	08/04/21 10:56	1
Vanadium	ND		0.0040		mg/L		08/03/21 08:30	08/04/21 10:56	1
Zinc	ND		0.0070		mg/L		08/03/21 08:30	08/04/21 10:56	1

Lab Sample ID: LCS 580-363818/23-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.04		mg/L		104	80 - 120
Antimony	1.00	1.03		mg/L		103	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Beryllium	1.00	1.03		mg/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-363818/23-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.03		mg/L		103	80 - 120
Cobalt	1.00	1.05		mg/L		105	80 - 120
Copper	1.00	1.05		mg/L		105	80 - 120
Lead	1.00	1.04		mg/L		104	80 - 120
Nickel	1.00	1.04		mg/L		104	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	1.03		mg/L		103	80 - 120
Vanadium	1.00	1.03		mg/L		103	80 - 120
Zinc	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCSD 580-363818/24-A
Matrix: Water
Analysis Batch: 364064

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 363818

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	1.04		mg/L		104	80 - 120	1	20
Antimony	1.00	1.03		mg/L		103	80 - 120	1	20
Barium	1.00	1.03		mg/L		103	80 - 120	1	20
Beryllium	1.00	1.03		mg/L		103	80 - 120	1	20
Cadmium	1.00	1.04		mg/L		104	80 - 120	1	20
Chromium	1.00	1.05		mg/L		105	80 - 120	2	20
Cobalt	1.00	1.06		mg/L		106	80 - 120	1	20
Copper	1.00	1.06		mg/L		106	80 - 120	1	20
Lead	1.00	1.06		mg/L		106	80 - 120	2	20
Nickel	1.00	1.06		mg/L		106	80 - 120	2	20
Selenium	1.00	1.03		mg/L		103	80 - 120	2	20
Silver	1.00	1.04		mg/L		104	80 - 120	1	20
Thallium	1.00	1.03		mg/L		103	80 - 120	0	20
Vanadium	1.00	1.05		mg/L		105	80 - 120	2	20
Zinc	1.00	1.06		mg/L		106	80 - 120	3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-363532/7
Matrix: Water
Analysis Batch: 363532

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.40		mg/L			07/29/21 19:24	1
Nitrate as N	ND		0.20		mg/L			07/29/21 19:24	1

Lab Sample ID: LCS 580-363532/8
Matrix: Water
Analysis Batch: 363532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	5.00	4.92		mg/L		98	90 - 110
Nitrate as N	5.00	4.74		mg/L		95	90 - 110

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 580-363532/9
Matrix: Water
Analysis Batch: 363532

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
Nitrite as N			5.00	4.92		mg/L		98	90 - 110	0	15
Nitrate as N			5.00	4.74		mg/L		95	90 - 110	0	15

Lab Sample ID: 580-104827-2 MS
Matrix: Water
Analysis Batch: 363532

Client Sample ID: 0721-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND		5.00	5.05		mg/L		101	90 - 110
Nitrate as N	0.44	F1	5.00	4.91	F1	mg/L		89	90 - 110

Lab Sample ID: 580-104827-2 MSD
Matrix: Water
Analysis Batch: 363532

Client Sample ID: 0721-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as N	ND		5.00	5.05		mg/L		101	90 - 110	0	15
Nitrate as N	0.44	F1	5.00	4.92		mg/L		90	90 - 110	0	15

Lab Sample ID: MB 580-363987/3
Matrix: Water
Analysis Batch: 363987

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			08/03/21 12:05	1
Chloride	ND		1.5		mg/L			08/03/21 12:05	1
Sulfate	ND		1.5		mg/L			08/03/21 12:05	1

Lab Sample ID: LCS 580-363987/4
Matrix: Water
Analysis Batch: 363987

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	4.67		mg/L		93	90 - 110
Chloride			50.0	50.3		mg/L		101	90 - 110
Sulfate			50.0	48.9		mg/L		98	90 - 110

Lab Sample ID: LCSD 580-363987/5
Matrix: Water
Analysis Batch: 363987

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	4.69		mg/L		94	90 - 110	0	15
Chloride			50.0	50.4		mg/L		101	90 - 110	0	15
Sulfate			50.0	48.9		mg/L		98	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-363649/1-A
Matrix: Water
Analysis Batch: 363664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 363649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		07/31/21 14:39	07/31/21 19:12	1

Lab Sample ID: LCS 580-363649/2-A
Matrix: Water
Analysis Batch: 363664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 363649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	1.83		mg/L		92	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-363560/2
Matrix: Water
Analysis Batch: 363560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	100	98.3		mg/L		98	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-363783/1
Matrix: Water
Analysis Batch: 363783

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			08/02/21 16:36	1

Lab Sample ID: LCS 580-363783/2
Matrix: Water
Analysis Batch: 363783

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	882		mg/L		88	80 - 120

Method: SM 5220D - COD

Lab Sample ID: MB 580-363544/3-A
Matrix: Water
Analysis Batch: 363585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 363544

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		07/30/21 14:17	07/30/21 18:35	1

Lab Sample ID: LCS 580-363544/4-A
Matrix: Water
Analysis Batch: 363585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 363544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	70.2		mg/L		94	80 - 120

Method: SM 5220D - COD (Continued)

Lab Sample ID: LCSD 580-363544/5-A
Matrix: Water
Analysis Batch: 363585

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 363544

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	68.4		mg/L		91	80 - 120	3	20

Method: SM 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-364646/11
Matrix: Water
Analysis Batch: 364646

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			08/10/21 04:01	1

Lab Sample ID: LCS 580-364646/12
Matrix: Water
Analysis Batch: 364646

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			10.0	10.7		mg/L		107	85 - 115		

Lab Sample ID: LCSD 580-364646/13
Matrix: Water
Analysis Batch: 364646

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			10.0	11.1		mg/L		111	85 - 115	4	20

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 3Q21

Job ID: 580-104827-1

Client Sample ID: 0721-10

Date Collected: 07/28/21 10:10
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	364005	08/05/21 01:42	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:17	C1K	FGS SEA
Total Recoverable	Prep	3005A			363818	08/03/21 08:30	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	364064	08/04/21 11:59	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363532	07/29/21 20:00	E1S	FGS SEA
Total/NA	Analysis	300.0		1	363987	08/03/21 15:24	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 10:53	R1K	FGS SEA

Client Sample ID: 0721-11

Date Collected: 07/28/21 10:45
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	364005	08/05/21 02:07	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:20	C1K	FGS SEA
Total Recoverable	Prep	3005A			363818	08/03/21 08:30	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	364064	08/04/21 12:03	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363532	07/29/21 20:23	E1S	FGS SEA
Total/NA	Analysis	300.0		1	363987	08/03/21 15:48	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 11:09	R1K	FGS SEA

Client Sample ID: 0721-12

Date Collected: 07/28/21 11:00
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	364005	08/05/21 02:32	CJ	FGS SEA
Dissolved	Prep	3005A			363819	08/03/21 08:35	C1K	FGS SEA
Dissolved	Analysis	6010D		1	364039	08/03/21 18:23	C1K	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 3Q21

Job ID: 580-104827-1

Client Sample ID: 0721-12

Date Collected: 07/28/21 11:00
Date Received: 07/29/21 11:54

Lab Sample ID: 580-104827-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			363818	08/03/21 08:30	C1K	FGS SEA
Total Recoverable	Analysis	6020B		1	364064	08/04/21 12:06	FCW	FGS SEA
Total/NA	Analysis	300.0		1	363532	07/29/21 21:10	E1S	FGS SEA
Total/NA	Analysis	300.0		1	363987	08/03/21 16:11	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			363649	07/31/21 14:39	MLT	FGS SEA
Total/NA	Analysis	350.1		1	363664	07/31/21 19:12	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	363560	07/30/21 15:44	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	363783	08/02/21 16:36	JEA	FGS SEA
Total/NA	Prep	SM 5220			363544	07/30/21 14:19	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	363585	07/30/21 18:35	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	364646	08/10/21 11:24	R1K	FGS SEA

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville 3Q21

Job ID: 580-104827-1

Laboratory: Eurofins FGS, 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	07-13-22

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 as N
300.0		Water	Nitrite as N
300.0		Water	Sulfate
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 5310B		Water	Total Organic Carbon

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville 3Q21

Job ID: 580-104827-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-104827-1	0721-10	Water	07/28/21 10:10	07/29/21 11:54
580-104827-2	0721-11	Water	07/28/21 10:45	07/29/21 11:54
580-104827-3	0721-12	Water	07/28/21 11:00	07/29/21 11:54

580-104827 Chain of Custody

Chain of Custody Record

eurofins Environment Testing America

Client Contact: Mr. Sam Graber	Sampler: Sam G.	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-44250-14147.1
Company: SCS Engineers	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: WA	Page: Page 1 of X 1
Address: 2405 140th Avenue NE Suite 107	PWSID:			Job #: 04209033.14
City: Bellevue	Due Date Requested: Standard			
State, Zip: WA, 98005-1877	TAT Requested (days):			
Phone: 425-289-5455(Tel)	Compliance Project: X Yes Δ No			
Email: SGraber@scsengineers.com	PO #: Purchase Order not required			
Project Name: Coupeville 2Q20	WO #:			
Site: Washington	Project #: 58009563			
	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, 5220D	2320B, 300.0_28D, 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	D	D	S	A	N	X	
0721-10	7/28/21	1010	G	Water	Y	N	X	X	X	X	X	X	X	10	* Hold trip
0721-11		1045		Water			X	X	X	X	X	X	X	10	blank for analysis
0721-12		1100		Water			X	X	X	X	X	X	X	10	
Trip blank *		-	-	Water	N									2	
				Water											
				Water											
				Water											
				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

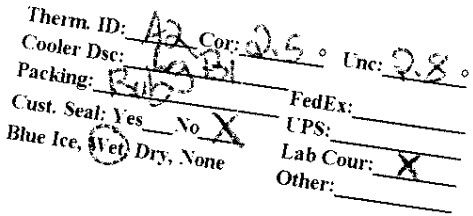
Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 7/28/21 1530	Company SCS	Received by:	Date/Time: 7/29/21 14:37	Company EFGS
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:


Therm. ID: A2 Cor: 2.6 ° Unc: 2.8 °
Cooler Dsc: LAB
Packing: BUB
Cust. Seal: Yes ___ No X
Blue Ice, (Wet) Dry, None
FedEx:
UPS:
Lab Cour: X
Other:

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-104827-1

Login Number: 104827
List Number: 1
Creator: Greene, Ashton R

List Source: Eurofins FGS, 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	

FOURTH QTR. 2021 DATA VALIDATION REPORT – ISLAND CO. CSWF

Project Details

Project No.	04207033.14	**Site Name**	Island County Coupeville SWF
Data Validator	Ruben Martinez	**Data Level**	Level 2
Date	12/10/21	**DV Tier**	Tier 1
QA Document	CSWF Groundwater Sampling, Analysis, and Quality Assurance Project Plan (Revised September 2007)		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
580-106980-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA
580-107005-1	No comments.	Eurofins TestAmerica, Seattle – Tacoma, WA

Analytical Summary

Sample Group	Analyses					
	Metals	Ns, COD	VOCs	Ions/TDS	Alk	TOC
580-106980-1	X	X	X	X	X	X
580-107005-1	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	Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-372199 recovered outside control limits for the following analyte(s): Trichlorofluoromethane and Acetone. Re-extraction/re-analysis was not performed. (580-107005-1) Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: 1021-05 (580-107005-10). Elevated reporting limits (RLs) are provided. (580-107005-1)
Metals	Acceptable	See case narrative for additional details.
General Chemistry	Acceptable	See case narrative for additional details.

Lab QA Samples	Results	Comments
VOA Prep	Acceptable	See case narrative for additional details.

Field Quality Assurance Samples

Field QA Samples	Sample Group	Analytes	Notes
Field Replicates	580-106980-1	N/A	See detailed results below.
Trip Blank	580-106980-1, 580-107005-1	N/A	No detections.

Lab Quality Flags

Lab Qualifiers	Description	Lab Group
F1	MS and/or MSD Recovery is outside acceptance limits.	580-107005-1
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	580-106980-1, 580-107005-1
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentrations; therefore, control limits are not applicable.	580-106980-1
*+	LCS and/or LCSD is outside acceptance limit, high biased	580-106980-1, 580-107005-1

Field Duplicate Evaluation

Analyte	Units	N2D	N2D (Dup)	RPD (%)	N3D	N3D (Dup)	RPD (%)
Alkalinity	mg/L	440	440	0.0	260	260	0.0
Arsenic	mg/L	0.0031	0.0029	6.7	0.0076	0.0078	2.6
Barium	mg/L	0.028	0.028	0.0	0.028	0.028	0.0
Bicarbonate	mg/L	440	440	0.0	260	260	0.0
Calcium	mg/L	110	110	0.0	72	75	4.1
Chloride	mg/L	71	71	0.0	38	38	0.0
Chromium	mg/L	0.019	0.0008 U	200.0	NA	NA	NA
Cobalt	mg/L	0.00041	0.0004 U	200.0	NA	NA	NA
Copper	mg/L	0.0042	0.002 U	200.0	NA	NA	NA
Magnesium	mg/L	72	72	0.0	26	27	3.8
Manganese	mg/L	NA	NA	NA	0.025	0.032	24.6
Nickel	mg/L	0.02	0.0049	121.3	NA	NA	NA

Analyte	Units	N2D	N2D (Dup)	RPD (%)	N3D	N3D (Dup)	RPD (%)
Nitrate/Nitrite, Total	mg/L	3.7	3.6	2.7	NA	NA	NA
Potassium	mg/L	8.4	8.4	0.0	6	6.2	3.3
Sodium	mg/L	40	40	0.0	20	21	4.9
Sulfate	mg/L	72	72	0.0	25	25	0.0
Total Dissolved Solids	mg/L	630	660	4.7	360	350	2.8
Total Organic Carbon	mg/L	2.3	2	14.0	1.2	1.2	0.0
Trichlorofluoromethane	ug/L	0.84	0.82	2.4	NA	NA	NA

* 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

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-106980-1
Client Project/Site: Coupeville 4Q21

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
11/10/2021 3:12:00 PM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 4
Client Sample Results 5
QC Sample Results 36
Chronicle 52
Certification Summary 59
Sample Summary 60
Chain of Custody 61
Receipt Checklists 68

Job ID: 580-106980-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative
580-106980-1

Comments
No additional comments.

Receipt
The samples were received on 10/27/2021 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 4 coolers at receipt time were 3.4º C, 4.2º C, 4.4º C and 4.5º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 580-372059 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-372059 recovered above the upper control limit for Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 1021-27 (580-106980-1), 1021-26 (580-106980-2), 1021-08 (580-106980-3), 1021-07 (580-106980-4), 1021-03 (580-106980-5), 1021-06 (580-106980-6), 1021-01 (580-106980-7), 1021-19 (580-106980-8), 1021-29 (580-106980-9), 1021-20 (580-106980-10) and (CCVIS 580-372059/2).

Method 8260D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-372059 recovered outside control limits for the following analytes: Vinyl acetate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-372159 recovered above the upper control limit for Acetone, 1,1-Dichloroethene, Vinyl acetate and Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 1021-17 (580-106980-11), 1021-28 (580-106980-12), 1021-18 (580-106980-13), 1021-16 (580-106980-14), Trip Blank (580-106980-16) and (CCVIS 580-372159/2).

Method 8260D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 580-372159 recovered outside control limits for the following analytes: Acetone and Vinyl acetate. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the 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 analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 350.1: The matrix spike (MS) recovery for preparation batch 580-371866 and analytical batch 580-371964 was outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

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.

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 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-27
Date Collected: 10/26/21 11:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-1
Matrix: Water

Method: 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			11/01/21 17:07	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 17:07	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 17:07	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 17:07	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 17:07	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 17:07	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 17:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 17:07	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 17:07	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 17:07	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 17:07	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 17:07	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 17:07	1
2-Butanone	ND		10		ug/L			11/01/21 17:07	1
2-Hexanone	ND		3.0		ug/L			11/01/21 17:07	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 17:07	1
Acetone	ND		10		ug/L			11/01/21 17:07	1
Acrylonitrile	ND		10		ug/L			11/01/21 17:07	1
Benzene	ND		0.20		ug/L			11/01/21 17:07	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 17:07	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 17:07	1
Bromoform	ND		0.50		ug/L			11/01/21 17:07	1
Bromomethane	ND		0.50		ug/L			11/01/21 17:07	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 17:07	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 17:07	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 17:07	1
Chloroethane	ND		0.50		ug/L			11/01/21 17:07	1
Chloroform	ND		0.20		ug/L			11/01/21 17:07	1
Chloromethane	ND		0.50		ug/L			11/01/21 17:07	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 17:07	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 17:07	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 17:07	1
Dibromomethane	ND		0.20		ug/L			11/01/21 17:07	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 17:07	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 17:07	1
Methyl iodide	ND		0.50		ug/L			11/01/21 17:07	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 17:07	1
o-Xylene	ND		0.50		ug/L			11/01/21 17:07	1
Styrene	ND		1.0		ug/L			11/01/21 17:07	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 17:07	1
Toluene	ND		0.20		ug/L			11/01/21 17:07	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 17:07	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 17:07	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 17:07	1
Trichloroethene	ND		0.20		ug/L			11/01/21 17:07	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 17:07	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 17:07	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 17:07	1

Client Sample ID: 1021-27

Date Collected: 10/26/21 11:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*		*11/01/21 17:07*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*11/01/21 17:07*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*11/01/21 17:07*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/01/21 17:07*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50		mg/L		11/08/21 09:20	11/08/21 18:20	1
Iron	**0.86**		0.30		mg/L		11/08/21 09:20	11/08/21 18:20	1
Magnesium	**56**		0.50		mg/L		11/08/21 09:20	11/08/21 18:20	1
Manganese	**0.080**		0.020		mg/L		11/08/21 09:20	11/08/21 18:20	1
Potassium	**7.3**		3.3		mg/L		11/08/21 09:20	11/08/21 18:20	1
Sodium	**28**		0.50		mg/L		11/08/21 09:20	11/08/21 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0061**		0.0010		mg/L		11/02/21 16:58	11/03/21 16:38	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:38	1
Barium	**0.043**		0.0012		mg/L		11/02/21 16:58	11/03/21 16:38	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:38	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:38	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:38	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:38	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 16:38	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:38	1
Nickel	**0.0030**		0.0030		mg/L		11/02/21 16:58	11/03/21 16:38	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 16:38	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:38	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 16:38	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 16:38	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 16:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 15:46	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 15:46	1
Chloride	**59**		1.5		mg/L			10/27/21 15:46	1
Sulfate	**47**		1.5		mg/L			10/27/21 15:46	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.4**		1.0		mg/L			11/07/21 03:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**400**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**400**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**480**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-26
Date Collected: 10/26/21 12:07
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-2
Matrix: Water

Method: 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			11/01/21 17:33	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 17:33	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 17:33	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 17:33	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 17:33	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 17:33	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 17:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 17:33	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 17:33	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 17:33	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 17:33	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 17:33	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 17:33	1
2-Butanone	ND		10		ug/L			11/01/21 17:33	1
2-Hexanone	ND		3.0		ug/L			11/01/21 17:33	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 17:33	1
Acetone	ND		10		ug/L			11/01/21 17:33	1
Acrylonitrile	ND		10		ug/L			11/01/21 17:33	1
Benzene	ND		0.20		ug/L			11/01/21 17:33	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 17:33	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 17:33	1
Bromoform	ND		0.50		ug/L			11/01/21 17:33	1
Bromomethane	ND		0.50		ug/L			11/01/21 17:33	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 17:33	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 17:33	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 17:33	1
Chloroethane	ND		0.50		ug/L			11/01/21 17:33	1
Chloroform	ND		0.20		ug/L			11/01/21 17:33	1
Chloromethane	ND		0.50		ug/L			11/01/21 17:33	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 17:33	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 17:33	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 17:33	1
Dibromomethane	ND		0.20		ug/L			11/01/21 17:33	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 17:33	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 17:33	1
Methyl iodide	ND		0.50		ug/L			11/01/21 17:33	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 17:33	1
o-Xylene	ND		0.50		ug/L			11/01/21 17:33	1
Styrene	ND		1.0		ug/L			11/01/21 17:33	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 17:33	1
Toluene	ND		0.20		ug/L			11/01/21 17:33	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 17:33	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 17:33	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 17:33	1
Trichloroethene	ND		0.20		ug/L			11/01/21 17:33	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 17:33	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 17:33	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 17:33	1

Client Sample ID: 1021-26
Date Collected: 10/26/21 12:07
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*11/01/21 17:33*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*11/01/21 17:33*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*11/01/21 17:33*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/01/21 17:33*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**33**		0.50		mg/L		11/08/21 09:20	11/08/21 18:49	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 18:49	1
Magnesium	**34**		0.50		mg/L		11/08/21 09:20	11/08/21 18:49	1
Manganese	**0.038**		0.020		mg/L		11/08/21 09:20	11/08/21 18:49	1
Potassium	**15**		3.3		mg/L		11/08/21 09:20	11/08/21 18:49	1
Sodium	**15**		0.50		mg/L		11/08/21 09:20	11/08/21 18:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.020**		0.0010		mg/L		11/02/21 16:58	11/03/21 16:42	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:42	1
Barium	**0.025**		0.0012		mg/L		11/02/21 16:58	11/03/21 16:42	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:42	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:42	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:42	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:42	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 16:42	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:42	1
Nickel	ND		0.0030		mg/L		11/02/21 16:58	11/03/21 16:42	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 16:42	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:42	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 16:42	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 16:42	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 15:58	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 15:58	1
Chloride	**42**		1.5		mg/L			10/27/21 15:58	1
Sulfate	**18**		1.5		mg/L			10/27/21 15:58	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.6**		1.0		mg/L			11/07/21 04:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**190**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**190**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**120**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-08
Date Collected: 10/26/21 13:15
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-3
Matrix: Water

Method: 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			11/01/21 17:59	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 17:59	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 17:59	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 17:59	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 17:59	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 17:59	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 17:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 17:59	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 17:59	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 17:59	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 17:59	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 17:59	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 17:59	1
2-Butanone	ND		10		ug/L			11/01/21 17:59	1
2-Hexanone	ND		3.0		ug/L			11/01/21 17:59	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 17:59	1
Acetone	ND		10		ug/L			11/01/21 17:59	1
Acrylonitrile	ND		10		ug/L			11/01/21 17:59	1
Benzene	ND		0.20		ug/L			11/01/21 17:59	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 17:59	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 17:59	1
Bromoform	ND		0.50		ug/L			11/01/21 17:59	1
Bromomethane	ND		0.50		ug/L			11/01/21 17:59	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 17:59	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 17:59	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 17:59	1
Chloroethane	ND		0.50		ug/L			11/01/21 17:59	1
Chloroform	ND		0.20		ug/L			11/01/21 17:59	1
Chloromethane	ND		0.50		ug/L			11/01/21 17:59	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 17:59	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 17:59	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 17:59	1
Dibromomethane	ND		0.20		ug/L			11/01/21 17:59	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 17:59	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 17:59	1
Methyl iodide	ND		0.50		ug/L			11/01/21 17:59	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 17:59	1
o-Xylene	ND		0.50		ug/L			11/01/21 17:59	1
Styrene	ND		1.0		ug/L			11/01/21 17:59	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 17:59	1
Toluene	ND		0.20		ug/L			11/01/21 17:59	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 17:59	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 17:59	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 17:59	1
Trichloroethene	ND		0.20		ug/L			11/01/21 17:59	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 17:59	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 17:59	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 17:59	1

Client Sample ID: 1021-08

Date Collected: 10/26/21 13:15
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*		*11/01/21 17:59*	*1*
4-Bromofluorobenzene (Surr)	*107*		*80 - 120*		*11/01/21 17:59*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*11/01/21 17:59*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/01/21 17:59*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**49**		0.50		mg/L		11/08/21 09:20	11/08/21 18:53	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 18:53	1
Magnesium	**31**		0.50		mg/L		11/08/21 09:20	11/08/21 18:53	1
Manganese	**0.081**		0.020		mg/L		11/08/21 09:20	11/08/21 18:53	1
Potassium	**11**		3.3		mg/L		11/08/21 09:20	11/08/21 18:53	1
Sodium	**25**		0.50		mg/L		11/08/21 09:20	11/08/21 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**		0.0010		mg/L		11/02/21 16:58	11/03/21 16:46	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:46	1
Barium	**0.040**		0.0012		mg/L		11/02/21 16:58	11/03/21 16:46	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:46	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:46	1
Chromium	**0.024**		0.00080		mg/L		11/02/21 16:58	11/03/21 16:46	1
Cobalt	**0.00041**		0.00040		mg/L		11/02/21 16:58	11/03/21 16:46	1
Copper	**0.0038**		0.0020		mg/L		11/02/21 16:58	11/03/21 16:46	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:46	1
Nickel	**0.0072**		0.0030		mg/L		11/02/21 16:58	11/03/21 16:46	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 16:46	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:46	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 16:46	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 16:46	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 16:33	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 16:33	1
Chloride	**31**		1.5		mg/L			10/27/21 16:33	1
Sulfate	**14**		1.5		mg/L			10/27/21 16:33	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**2.5**		1.0		mg/L			11/07/21 04:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**230**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**230**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**320**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-07
Date Collected: 10/26/21 14:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-4
Matrix: Water

Method: 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			11/01/21 18:26	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 18:26	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 18:26	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 18:26	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 18:26	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 18:26	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 18:26	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 18:26	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 18:26	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 18:26	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 18:26	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 18:26	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 18:26	1
2-Butanone	ND		10		ug/L			11/01/21 18:26	1
2-Hexanone	ND		3.0		ug/L			11/01/21 18:26	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 18:26	1
Acetone	ND		10		ug/L			11/01/21 18:26	1
Acrylonitrile	ND		10		ug/L			11/01/21 18:26	1
Benzene	ND		0.20		ug/L			11/01/21 18:26	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 18:26	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 18:26	1
Bromoform	ND		0.50		ug/L			11/01/21 18:26	1
Bromomethane	ND		0.50		ug/L			11/01/21 18:26	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 18:26	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 18:26	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 18:26	1
Chloroethane	ND		0.50		ug/L			11/01/21 18:26	1
Chloroform	ND		0.20		ug/L			11/01/21 18:26	1
Chloromethane	ND		0.50		ug/L			11/01/21 18:26	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 18:26	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 18:26	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 18:26	1
Dibromomethane	ND		0.20		ug/L			11/01/21 18:26	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 18:26	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 18:26	1
Methyl iodide	ND		0.50		ug/L			11/01/21 18:26	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 18:26	1
o-Xylene	ND		0.50		ug/L			11/01/21 18:26	1
Styrene	ND		1.0		ug/L			11/01/21 18:26	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 18:26	1
Toluene	ND		0.20		ug/L			11/01/21 18:26	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 18:26	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 18:26	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 18:26	1
Trichloroethene	ND		0.20		ug/L			11/01/21 18:26	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 18:26	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 18:26	1
Vinyl chloride	**0.051**		0.020		ug/L			11/01/21 18:26	1

Client Sample ID: 1021-07
Date Collected: 10/26/21 14:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*11/01/21 18:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*11/01/21 18:26*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*11/01/21 18:26*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/01/21 18:26*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		0.50		mg/L		11/08/21 09:20	11/08/21 18:56	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 18:56	1
Magnesium	**55**		0.50		mg/L		11/08/21 09:20	11/08/21 18:56	1
Manganese	ND		0.020		mg/L		11/08/21 09:20	11/08/21 18:56	1
Potassium	**6.2**		3.3		mg/L		11/08/21 09:20	11/08/21 18:56	1
Sodium	**29**		0.50		mg/L		11/08/21 09:20	11/08/21 18:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0026**		0.0010		mg/L		11/02/21 16:58	11/03/21 16:49	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:49	1
Barium	**0.048**		0.0012		mg/L		11/02/21 16:58	11/03/21 16:49	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:49	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:49	1
Chromium	**0.021**		0.00080		mg/L		11/02/21 16:58	11/03/21 16:49	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:49	1
Copper	**0.0035**		0.0020		mg/L		11/02/21 16:58	11/03/21 16:49	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:49	1
Nickel	**0.015**		0.0030		mg/L		11/02/21 16:58	11/03/21 16:49	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 16:49	1
Silver	**0.00055**		0.00040		mg/L		11/02/21 16:58	11/03/21 16:49	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 16:49	1
Vanadium	**0.0065**		0.0040		mg/L		11/02/21 16:58	11/03/21 16:49	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 16:45	1
Nitrate Nitrite as N	**5.9**		0.40		mg/L			10/27/21 16:45	1
Chloride	**26**		1.5		mg/L			10/27/21 16:45	1
Sulfate	**38**		1.5		mg/L			10/27/21 16:45	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	ND		1.0		mg/L			11/07/21 05:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**550**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**550**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**700**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-03

Date Collected: 10/26/21 15:20
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-5

Matrix: Water

Method: 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			11/01/21 18:53	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 18:53	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 18:53	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 18:53	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 18:53	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 18:53	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 18:53	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 18:53	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 18:53	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 18:53	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 18:53	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 18:53	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 18:53	1
2-Butanone	ND		10		ug/L			11/01/21 18:53	1
2-Hexanone	ND		3.0		ug/L			11/01/21 18:53	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 18:53	1
Acetone	ND		10		ug/L			11/01/21 18:53	1
Acrylonitrile	ND		10		ug/L			11/01/21 18:53	1
Benzene	ND		0.20		ug/L			11/01/21 18:53	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 18:53	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 18:53	1
Bromoform	ND		0.50		ug/L			11/01/21 18:53	1
Bromomethane	ND		0.50		ug/L			11/01/21 18:53	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 18:53	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 18:53	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 18:53	1
Chloroethane	ND		0.50		ug/L			11/01/21 18:53	1
Chloroform	ND		0.20		ug/L			11/01/21 18:53	1
Chloromethane	ND		0.50		ug/L			11/01/21 18:53	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 18:53	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 18:53	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 18:53	1
Dibromomethane	ND		0.20		ug/L			11/01/21 18:53	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 18:53	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 18:53	1
Methyl iodide	ND		0.50		ug/L			11/01/21 18:53	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 18:53	1
o-Xylene	ND		0.50		ug/L			11/01/21 18:53	1
Styrene	ND		1.0		ug/L			11/01/21 18:53	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 18:53	1
Toluene	ND		0.20		ug/L			11/01/21 18:53	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 18:53	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 18:53	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 18:53	1
Trichloroethene	ND		0.20		ug/L			11/01/21 18:53	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 18:53	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 18:53	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 18:53	1

Client Sample ID: 1021-03
Date Collected: 10/26/21 15:20
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*11/01/21 18:53*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*11/01/21 18:53*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*11/01/21 18:53*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/01/21 18:53*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**170**		0.50		mg/L		11/08/21 09:20	11/08/21 18:59	1
Iron	**1.9**		0.30		mg/L		11/08/21 09:20	11/08/21 18:59	1
Magnesium	**77**		0.50		mg/L		11/08/21 09:20	11/08/21 18:59	1
Manganese	**0.27**		0.020		mg/L		11/08/21 09:20	11/08/21 18:59	1
Potassium	**8.0**		3.3		mg/L		11/08/21 09:20	11/08/21 18:59	1
Sodium	**33**		0.50		mg/L		11/08/21 09:20	11/08/21 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0059**		0.0010		mg/L		11/02/21 16:58	11/03/21 16:53	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:53	1
Barium	**0.073**		0.0012		mg/L		11/02/21 16:58	11/03/21 16:53	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:53	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:53	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 16:53	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:53	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 16:53	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:53	1
Nickel	ND		0.0030		mg/L		11/02/21 16:58	11/03/21 16:53	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 16:53	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 16:53	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 16:53	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 16:53	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 16:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 16:56	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 16:56	1
Chloride	**24**		1.5		mg/L			10/27/21 16:56	1
Sulfate	**30**		1.5		mg/L			10/27/21 16:56	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.8**		1.0		mg/L			11/07/21 05:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**690**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**690**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**620**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-06

Date Collected: 10/26/21 16:25
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-6

Matrix: Water

Method: 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			11/01/21 19:20	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 19:20	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 19:20	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 19:20	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 19:20	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 19:20	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 19:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 19:20	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 19:20	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 19:20	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 19:20	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 19:20	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 19:20	1
2-Butanone	ND		10		ug/L			11/01/21 19:20	1
2-Hexanone	ND		3.0		ug/L			11/01/21 19:20	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 19:20	1
Acetone	ND		10		ug/L			11/01/21 19:20	1
Acrylonitrile	ND		10		ug/L			11/01/21 19:20	1
Benzene	ND		0.20		ug/L			11/01/21 19:20	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 19:20	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 19:20	1
Bromoform	ND		0.50		ug/L			11/01/21 19:20	1
Bromomethane	ND		0.50		ug/L			11/01/21 19:20	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 19:20	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 19:20	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 19:20	1
Chloroethane	ND		0.50		ug/L			11/01/21 19:20	1
Chloroform	ND		0.20		ug/L			11/01/21 19:20	1
Chloromethane	ND		0.50		ug/L			11/01/21 19:20	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 19:20	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 19:20	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 19:20	1
Dibromomethane	ND		0.20		ug/L			11/01/21 19:20	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 19:20	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 19:20	1
Methyl iodide	ND		0.50		ug/L			11/01/21 19:20	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 19:20	1
o-Xylene	ND		0.50		ug/L			11/01/21 19:20	1
Styrene	ND		1.0		ug/L			11/01/21 19:20	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 19:20	1
Toluene	ND		0.20		ug/L			11/01/21 19:20	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 19:20	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 19:20	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 19:20	1
Trichloroethene	ND		0.20		ug/L			11/01/21 19:20	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 19:20	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 19:20	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 19:20	1

Client Sample ID: 1021-06

Date Collected: 10/26/21 16:25
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-6

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*11/01/21 19:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*11/01/21 19:20*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*11/01/21 19:20*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/01/21 19:20*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**54**		0.50		mg/L		11/08/21 09:20	11/08/21 19:03	1
Iron	**1.3**		0.30		mg/L		11/08/21 09:20	11/08/21 19:03	1
Magnesium	**27**		0.50		mg/L		11/08/21 09:20	11/08/21 19:03	1
Manganese	**0.30**		0.020		mg/L		11/08/21 09:20	11/08/21 19:03	1
Potassium	**5.3**		3.3		mg/L		11/08/21 09:20	11/08/21 19:03	1
Sodium	**23**		0.50		mg/L		11/08/21 09:20	11/08/21 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0049**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:12	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:12	1
Barium	**0.061**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:12	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:12	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:12	1
Chromium	**0.00080**		0.00080		mg/L		11/02/21 16:58	11/03/21 17:12	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:12	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:12	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:12	1
Nickel	**0.0032**		0.0030		mg/L		11/02/21 16:58	11/03/21 17:12	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:12	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:12	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:12	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 17:12	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 17:08	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 17:08	1
Chloride	**13**		1.5		mg/L			10/27/21 17:08	1
Sulfate	**25**		1.5		mg/L			10/27/21 17:08	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.4**		1.0		mg/L			11/07/21 05:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**260**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**260**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**270**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-01

Date Collected: 10/26/21 17:10
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-7

Matrix: Water

Method: 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			11/01/21 19:46	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 19:46	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 19:46	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 19:46	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 19:46	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 19:46	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 19:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 19:46	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 19:46	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 19:46	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 19:46	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 19:46	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 19:46	1
2-Butanone	ND		10		ug/L			11/01/21 19:46	1
2-Hexanone	ND		3.0		ug/L			11/01/21 19:46	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 19:46	1
Acetone	ND		10		ug/L			11/01/21 19:46	1
Acrylonitrile	ND		10		ug/L			11/01/21 19:46	1
Benzene	ND		0.20		ug/L			11/01/21 19:46	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 19:46	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 19:46	1
Bromoform	ND		0.50		ug/L			11/01/21 19:46	1
Bromomethane	ND		0.50		ug/L			11/01/21 19:46	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 19:46	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 19:46	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 19:46	1
Chloroethane	ND		0.50		ug/L			11/01/21 19:46	1
Chloroform	ND		0.20		ug/L			11/01/21 19:46	1
Chloromethane	ND		0.50		ug/L			11/01/21 19:46	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 19:46	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 19:46	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 19:46	1
Dibromomethane	ND		0.20		ug/L			11/01/21 19:46	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 19:46	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 19:46	1
Methyl iodide	ND		0.50		ug/L			11/01/21 19:46	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 19:46	1
o-Xylene	ND		0.50		ug/L			11/01/21 19:46	1
Styrene	ND		1.0		ug/L			11/01/21 19:46	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 19:46	1
Toluene	ND		0.20		ug/L			11/01/21 19:46	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 19:46	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 19:46	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 19:46	1
Trichloroethene	ND		0.20		ug/L			11/01/21 19:46	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 19:46	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 19:46	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 19:46	1

Client Sample ID: 1021-01

Date Collected: 10/26/21 17:10
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*80 - 120*		*11/01/21 19:46*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*11/01/21 19:46*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*11/01/21 19:46*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/01/21 19:46*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**66**		0.50		mg/L		11/08/21 09:20	11/08/21 19:06	1
Iron	**0.44**		0.30		mg/L		11/08/21 09:20	11/08/21 19:06	1
Magnesium	**42**		0.50		mg/L		11/08/21 09:20	11/08/21 19:06	1
Manganese	**0.16**		0.020		mg/L		11/08/21 09:20	11/08/21 19:06	1
Potassium	**6.4**		3.3		mg/L		11/08/21 09:20	11/08/21 19:06	1
Sodium	**24**		0.50		mg/L		11/08/21 09:20	11/08/21 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0063**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:16	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:16	1
Barium	**0.027**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:16	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:16	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:16	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:16	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:16	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:16	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:16	1
Nickel	ND		0.0030		mg/L		11/02/21 16:58	11/03/21 17:16	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:16	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:16	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:16	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 17:16	1
Zinc	**0.17**		0.0070		mg/L		11/02/21 16:58	11/03/21 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 17:20	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 17:20	1
Chloride	**23**		1.5		mg/L			10/27/21 17:20	1
Sulfate	**24**		1.5		mg/L			10/27/21 17:20	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.5**		1.0		mg/L			11/07/21 06:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**340**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**340**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**420**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-19

Date Collected: 10/26/21 11:11
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-8

Matrix: Water

Method: 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			11/01/21 20:13	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 20:13	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 20:13	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 20:13	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 20:13	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 20:13	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 20:13	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 20:13	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 20:13	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 20:13	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 20:13	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 20:13	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 20:13	1
2-Butanone	ND		10		ug/L			11/01/21 20:13	1
2-Hexanone	ND		3.0		ug/L			11/01/21 20:13	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 20:13	1
Acetone	ND		10		ug/L			11/01/21 20:13	1
Acrylonitrile	ND		10		ug/L			11/01/21 20:13	1
Benzene	ND		0.20		ug/L			11/01/21 20:13	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 20:13	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 20:13	1
Bromoform	ND		0.50		ug/L			11/01/21 20:13	1
Bromomethane	ND		0.50		ug/L			11/01/21 20:13	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 20:13	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 20:13	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 20:13	1
Chloroethane	ND		0.50		ug/L			11/01/21 20:13	1
Chloroform	ND		0.20		ug/L			11/01/21 20:13	1
Chloromethane	ND		0.50		ug/L			11/01/21 20:13	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 20:13	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 20:13	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 20:13	1
Dibromomethane	ND		0.20		ug/L			11/01/21 20:13	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 20:13	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 20:13	1
Methyl iodide	ND		0.50		ug/L			11/01/21 20:13	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 20:13	1
o-Xylene	ND		0.50		ug/L			11/01/21 20:13	1
Styrene	ND		1.0		ug/L			11/01/21 20:13	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 20:13	1
Toluene	ND		0.20		ug/L			11/01/21 20:13	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 20:13	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 20:13	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 20:13	1
Trichloroethene	ND		0.20		ug/L			11/01/21 20:13	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 20:13	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 20:13	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 20:13	1

Client Sample ID: 1021-19

Date Collected: 10/26/21 11:11
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-8

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*11/01/21 20:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*11/01/21 20:13*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*11/01/21 20:13*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/01/21 20:13*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**72**		0.50		mg/L		11/08/21 09:20	11/08/21 19:09	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 19:09	1
Magnesium	**26**		0.50		mg/L		11/08/21 09:20	11/08/21 19:09	1
Manganese	**0.025**		0.020		mg/L		11/08/21 09:20	11/08/21 19:09	1
Potassium	**6.0**		3.3		mg/L		11/08/21 09:20	11/08/21 19:09	1
Sodium	**20**		0.50		mg/L		11/08/21 09:20	11/08/21 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0076**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:19	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:19	1
Barium	**0.028**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:19	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:19	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:19	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:19	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:19	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:19	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:19	1
Nickel	ND		0.0030		mg/L		11/02/21 16:58	11/03/21 17:19	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:19	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:19	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:19	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 17:19	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 17:55	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 17:55	1
Chloride	**38**		1.5		mg/L			10/27/21 17:55	1
Sulfate	**25**		1.5		mg/L			10/27/21 17:55	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.2**		1.0		mg/L			11/07/21 06:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**260**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**260**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**360**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-29

Date Collected: 10/26/21 11:35
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-9

Matrix: Water

Method: 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			11/01/21 20:39	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 20:39	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 20:39	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 20:39	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 20:39	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 20:39	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 20:39	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 20:39	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 20:39	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 20:39	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 20:39	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 20:39	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 20:39	1
2-Butanone	ND		10		ug/L			11/01/21 20:39	1
2-Hexanone	ND		3.0		ug/L			11/01/21 20:39	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 20:39	1
Acetone	ND		10		ug/L			11/01/21 20:39	1
Acrylonitrile	ND		10		ug/L			11/01/21 20:39	1
Benzene	ND		0.20		ug/L			11/01/21 20:39	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 20:39	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 20:39	1
Bromoform	ND		0.50		ug/L			11/01/21 20:39	1
Bromomethane	ND		0.50		ug/L			11/01/21 20:39	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 20:39	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 20:39	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 20:39	1
Chloroethane	ND		0.50		ug/L			11/01/21 20:39	1
Chloroform	ND		0.20		ug/L			11/01/21 20:39	1
Chloromethane	ND		0.50		ug/L			11/01/21 20:39	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 20:39	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 20:39	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 20:39	1
Dibromomethane	ND		0.20		ug/L			11/01/21 20:39	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 20:39	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 20:39	1
Methyl iodide	ND		0.50		ug/L			11/01/21 20:39	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 20:39	1
o-Xylene	ND		0.50		ug/L			11/01/21 20:39	1
Styrene	ND		1.0		ug/L			11/01/21 20:39	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 20:39	1
Toluene	ND		0.20		ug/L			11/01/21 20:39	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 20:39	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 20:39	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 20:39	1
Trichloroethene	ND		0.20		ug/L			11/01/21 20:39	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 20:39	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 20:39	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 20:39	1

Client Sample ID: 1021-29

Date Collected: 10/26/21 11:35
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-9

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*11/01/21 20:39*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*		*11/01/21 20:39*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*11/01/21 20:39*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/01/21 20:39*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**75**		0.50		mg/L		11/08/21 09:20	11/08/21 19:19	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 19:19	1
Magnesium	**27**		0.50		mg/L		11/08/21 09:20	11/08/21 19:19	1
Manganese	**0.032**		0.020		mg/L		11/08/21 09:20	11/08/21 19:19	1
Potassium	**6.2**		3.3		mg/L		11/08/21 09:20	11/08/21 19:19	1
Sodium	**21**		0.50		mg/L		11/08/21 09:20	11/08/21 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0078**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:23	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:23	1
Barium	**0.028**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:23	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:23	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:23	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:23	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:23	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:23	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:23	1
Nickel	ND		0.0030		mg/L		11/02/21 16:58	11/03/21 17:23	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:23	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:23	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:23	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 17:23	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 18:07	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 18:07	1
Chloride	**38**		1.5		mg/L			10/27/21 18:07	1
Sulfate	**25**		1.5		mg/L			10/27/21 18:07	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.2**		1.0		mg/L			11/07/21 06:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**260**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**260**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**350**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-20

Date Collected: 10/26/21 12:25
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-10

Matrix: Water

Method: 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			11/01/21 21:06	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 21:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 21:06	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 21:06	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 21:06	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 21:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 21:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 21:06	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 21:06	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 21:06	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 21:06	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 21:06	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 21:06	1
2-Butanone	ND		10		ug/L			11/01/21 21:06	1
2-Hexanone	ND		3.0		ug/L			11/01/21 21:06	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 21:06	1
Acetone	ND		10		ug/L			11/01/21 21:06	1
Acrylonitrile	ND		10		ug/L			11/01/21 21:06	1
Benzene	ND		0.20		ug/L			11/01/21 21:06	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 21:06	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 21:06	1
Bromoform	ND		0.50		ug/L			11/01/21 21:06	1
Bromomethane	ND		0.50		ug/L			11/01/21 21:06	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 21:06	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 21:06	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 21:06	1
Chloroethane	ND		0.50		ug/L			11/01/21 21:06	1
Chloroform	ND		0.20		ug/L			11/01/21 21:06	1
Chloromethane	ND		0.50		ug/L			11/01/21 21:06	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 21:06	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 21:06	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 21:06	1
Dibromomethane	ND		0.20		ug/L			11/01/21 21:06	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 21:06	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 21:06	1
Methyl iodide	ND		0.50		ug/L			11/01/21 21:06	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 21:06	1
o-Xylene	ND		0.50		ug/L			11/01/21 21:06	1
Styrene	ND		1.0		ug/L			11/01/21 21:06	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 21:06	1
Toluene	ND		0.20		ug/L			11/01/21 21:06	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 21:06	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 21:06	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 21:06	1
Trichloroethene	ND		0.20		ug/L			11/01/21 21:06	1
Trichlorofluoromethane	**1.4**		0.50		ug/L			11/01/21 21:06	1
Vinyl acetate	ND	*+	2.0		ug/L			11/01/21 21:06	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 21:06	1

Client Sample ID: 1021-20

Date Collected: 10/26/21 12:25
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-10

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*11/01/21 21:06*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*11/01/21 21:06*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*11/01/21 21:06*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/01/21 21:06*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**130**		0.50		mg/L		11/08/21 09:20	11/08/21 19:23	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 19:23	1
Magnesium	**45**		0.50		mg/L		11/08/21 09:20	11/08/21 19:23	1
Manganese	ND		0.020		mg/L		11/08/21 09:20	11/08/21 19:23	1
Potassium	**6.0**		3.3		mg/L		11/08/21 09:20	11/08/21 19:23	1
Sodium	**27**		0.50		mg/L		11/08/21 09:20	11/08/21 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0024**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:27	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:27	1
Barium	**0.033**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:27	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:27	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:27	1
Chromium	**0.011**		0.00080		mg/L		11/02/21 16:58	11/03/21 17:27	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:27	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:27	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:27	1
Nickel	**0.0032**		0.0030		mg/L		11/02/21 16:58	11/03/21 17:27	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:27	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:27	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:27	1
Vanadium	**0.0058**		0.0040		mg/L		11/02/21 16:58	11/03/21 17:27	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 18:18	1
Nitrate Nitrite as N	**7.2**		0.40		mg/L			10/27/21 18:18	1
Chloride	**32**		1.5		mg/L			10/27/21 18:18	1
Sulfate	**44**		1.5		mg/L			10/27/21 18:18	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.3**		1.0		mg/L			11/07/21 06:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**430**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**430**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**710**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-17

Date Collected: 10/26/21 13:40
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-11

Matrix: Water

Method: 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			11/02/21 15:20	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/02/21 15:20	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/02/21 15:20	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/02/21 15:20	1
1,1-Dichloroethane	ND		0.20		ug/L			11/02/21 15:20	1
1,1-Dichloroethene	ND		0.20		ug/L			11/02/21 15:20	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/02/21 15:20	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/02/21 15:20	1
1,2-Dibromoethane	ND		0.10		ug/L			11/02/21 15:20	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/02/21 15:20	1
1,2-Dichloroethane	ND		0.20		ug/L			11/02/21 15:20	1
1,2-Dichloropropane	ND		0.20		ug/L			11/02/21 15:20	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/02/21 15:20	1
2-Butanone	ND		10		ug/L			11/02/21 15:20	1
2-Hexanone	ND		3.0		ug/L			11/02/21 15:20	1
4-Methyl-2-pentanone	ND		10		ug/L			11/02/21 15:20	1
Acetone	ND	*+	10		ug/L			11/02/21 15:20	1
Acrylonitrile	ND		10		ug/L			11/02/21 15:20	1
Benzene	ND		0.20		ug/L			11/02/21 15:20	1
Bromochloromethane	ND		0.20		ug/L			11/02/21 15:20	1
Bromodichloromethane	ND		0.20		ug/L			11/02/21 15:20	1
Bromoform	ND		0.50		ug/L			11/02/21 15:20	1
Bromomethane	ND		0.50		ug/L			11/02/21 15:20	1
Carbon disulfide	ND		0.30		ug/L			11/02/21 15:20	1
Carbon tetrachloride	ND		0.20		ug/L			11/02/21 15:20	1
Chlorobenzene	ND		0.20		ug/L			11/02/21 15:20	1
Chloroethane	ND		0.50		ug/L			11/02/21 15:20	1
Chloroform	ND		0.20		ug/L			11/02/21 15:20	1
Chloromethane	ND		0.50		ug/L			11/02/21 15:20	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 15:20	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 15:20	1
Dibromochloromethane	ND		0.20		ug/L			11/02/21 15:20	1
Dibromomethane	ND		0.20		ug/L			11/02/21 15:20	1
Ethylbenzene	ND		0.20		ug/L			11/02/21 15:20	1
m,p-Xylene	ND		0.50		ug/L			11/02/21 15:20	1
Methyl iodide	ND		0.50		ug/L			11/02/21 15:20	1
Methylene Chloride	ND		5.0		ug/L			11/02/21 15:20	1
o-Xylene	ND		0.50		ug/L			11/02/21 15:20	1
Styrene	ND		1.0		ug/L			11/02/21 15:20	1
Tetrachloroethene	ND		0.50		ug/L			11/02/21 15:20	1
Toluene	ND		0.20		ug/L			11/02/21 15:20	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 15:20	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 15:20	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/02/21 15:20	1
Trichloroethene	ND		0.20		ug/L			11/02/21 15:20	1
Trichlorofluoromethane	**0.84**		0.50		ug/L			11/02/21 15:20	1
Vinyl acetate	ND	*+	2.0		ug/L			11/02/21 15:20	1
Vinyl chloride	ND		0.020		ug/L			11/02/21 15:20	1

Client Sample ID: 1021-17

Date Collected: 10/26/21 13:40
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-11

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*11/02/21 15:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*11/02/21 15:20*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*11/02/21 15:20*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/02/21 15:20*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		11/08/21 09:20	11/08/21 19:26	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 19:26	1
Magnesium	**72**		0.50		mg/L		11/08/21 09:20	11/08/21 19:26	1
Manganese	ND		0.020		mg/L		11/08/21 09:20	11/08/21 19:26	1
Potassium	**8.4**		3.3		mg/L		11/08/21 09:20	11/08/21 19:26	1
Sodium	**40**		0.50		mg/L		11/08/21 09:20	11/08/21 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0031**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:30	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:30	1
Barium	**0.028**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:30	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:30	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:30	1
Chromium	**0.019**		0.00080		mg/L		11/02/21 16:58	11/03/21 17:30	1
Cobalt	**0.00041**		0.00040		mg/L		11/02/21 16:58	11/03/21 17:30	1
Copper	**0.0042**		0.0020		mg/L		11/02/21 16:58	11/03/21 17:30	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:30	1
Nickel	**0.020**		0.0030		mg/L		11/02/21 16:58	11/03/21 17:30	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:30	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:30	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:30	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 17:30	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 18:53	1
Nitrate Nitrite as N	**3.7**		0.40		mg/L			10/27/21 18:53	1
Chloride	**71**		1.5		mg/L			10/27/21 18:53	1
Sulfate	**72**		1.5		mg/L			10/27/21 18:53	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**2.3**		1.0		mg/L			11/07/21 07:11	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**440**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**440**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**630**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-28

Date Collected: 10/26/21 14:00
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-12

Matrix: Water

Method: 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			11/02/21 15:46	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/02/21 15:46	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/02/21 15:46	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/02/21 15:46	1
1,1-Dichloroethane	ND		0.20		ug/L			11/02/21 15:46	1
1,1-Dichloroethene	ND		0.20		ug/L			11/02/21 15:46	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/02/21 15:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/02/21 15:46	1
1,2-Dibromoethane	ND		0.10		ug/L			11/02/21 15:46	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/02/21 15:46	1
1,2-Dichloroethane	ND		0.20		ug/L			11/02/21 15:46	1
1,2-Dichloropropane	ND		0.20		ug/L			11/02/21 15:46	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/02/21 15:46	1
2-Butanone	ND		10		ug/L			11/02/21 15:46	1
2-Hexanone	ND		3.0		ug/L			11/02/21 15:46	1
4-Methyl-2-pentanone	ND		10		ug/L			11/02/21 15:46	1
Acetone	ND	*+	10		ug/L			11/02/21 15:46	1
Acrylonitrile	ND		10		ug/L			11/02/21 15:46	1
Benzene	ND		0.20		ug/L			11/02/21 15:46	1
Bromochloromethane	ND		0.20		ug/L			11/02/21 15:46	1
Bromodichloromethane	ND		0.20		ug/L			11/02/21 15:46	1
Bromoform	ND		0.50		ug/L			11/02/21 15:46	1
Bromomethane	ND		0.50		ug/L			11/02/21 15:46	1
Carbon disulfide	ND		0.30		ug/L			11/02/21 15:46	1
Carbon tetrachloride	ND		0.20		ug/L			11/02/21 15:46	1
Chlorobenzene	ND		0.20		ug/L			11/02/21 15:46	1
Chloroethane	ND		0.50		ug/L			11/02/21 15:46	1
Chloroform	ND		0.20		ug/L			11/02/21 15:46	1
Chloromethane	ND		0.50		ug/L			11/02/21 15:46	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 15:46	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 15:46	1
Dibromochloromethane	ND		0.20		ug/L			11/02/21 15:46	1
Dibromomethane	ND		0.20		ug/L			11/02/21 15:46	1
Ethylbenzene	ND		0.20		ug/L			11/02/21 15:46	1
m,p-Xylene	ND		0.50		ug/L			11/02/21 15:46	1
Methyl iodide	ND		0.50		ug/L			11/02/21 15:46	1
Methylene Chloride	ND		5.0		ug/L			11/02/21 15:46	1
o-Xylene	ND		0.50		ug/L			11/02/21 15:46	1
Styrene	ND		1.0		ug/L			11/02/21 15:46	1
Tetrachloroethene	ND		0.50		ug/L			11/02/21 15:46	1
Toluene	ND		0.20		ug/L			11/02/21 15:46	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 15:46	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 15:46	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/02/21 15:46	1
Trichloroethene	ND		0.20		ug/L			11/02/21 15:46	1
Trichlorofluoromethane	**0.82**		0.50		ug/L			11/02/21 15:46	1
Vinyl acetate	ND	*+	2.0		ug/L			11/02/21 15:46	1
Vinyl chloride	ND		0.020		ug/L			11/02/21 15:46	1

Client Sample ID: 1021-28

Date Collected: 10/26/21 14:00
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-12

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*11/02/21 15:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*11/02/21 15:46*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*11/02/21 15:46*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/02/21 15:46*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50		mg/L		11/08/21 09:20	11/08/21 19:29	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 19:29	1
Magnesium	**72**		0.50		mg/L		11/08/21 09:20	11/08/21 19:29	1
Manganese	ND		0.020		mg/L		11/08/21 09:20	11/08/21 19:29	1
Potassium	**8.4**		3.3		mg/L		11/08/21 09:20	11/08/21 19:29	1
Sodium	**40**		0.50		mg/L		11/08/21 09:20	11/08/21 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0029**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:34	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:34	1
Barium	**0.028**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:34	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:34	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:34	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:34	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:34	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:34	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:34	1
Nickel	**0.0049**		0.0030		mg/L		11/02/21 16:58	11/03/21 17:34	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:34	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:34	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:34	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 17:34	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 19:05	1
Nitrate Nitrite as N	**3.6**		0.40		mg/L			10/27/21 19:05	1
Chloride	**71**		1.5		mg/L			10/27/21 19:05	1
Sulfate	**72**		1.5		mg/L			10/27/21 19:05	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**2.0**		1.0		mg/L			11/07/21 08:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**440**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**440**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**660**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-18

Date Collected: 10/26/21 14:56
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-13

Matrix: Water

Method: 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			11/02/21 16:12	1
1,1,1-Trichloroethane	**0.33**		0.20		ug/L			11/02/21 16:12	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/02/21 16:12	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/02/21 16:12	1
1,1-Dichloroethane	**0.35**		0.20		ug/L			11/02/21 16:12	1
1,1-Dichloroethene	ND		0.20		ug/L			11/02/21 16:12	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/02/21 16:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/02/21 16:12	1
1,2-Dibromoethane	ND		0.10		ug/L			11/02/21 16:12	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/02/21 16:12	1
1,2-Dichloroethane	ND		0.20		ug/L			11/02/21 16:12	1
1,2-Dichloropropane	ND		0.20		ug/L			11/02/21 16:12	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/02/21 16:12	1
2-Butanone	ND		10		ug/L			11/02/21 16:12	1
2-Hexanone	ND		3.0		ug/L			11/02/21 16:12	1
4-Methyl-2-pentanone	ND		10		ug/L			11/02/21 16:12	1
Acetone	ND	*+	10		ug/L			11/02/21 16:12	1
Acrylonitrile	ND		10		ug/L			11/02/21 16:12	1
Benzene	ND		0.20		ug/L			11/02/21 16:12	1
Bromochloromethane	ND		0.20		ug/L			11/02/21 16:12	1
Bromodichloromethane	ND		0.20		ug/L			11/02/21 16:12	1
Bromoform	ND		0.50		ug/L			11/02/21 16:12	1
Bromomethane	ND		0.50		ug/L			11/02/21 16:12	1
Carbon disulfide	ND		0.30		ug/L			11/02/21 16:12	1
Carbon tetrachloride	ND		0.20		ug/L			11/02/21 16:12	1
Chlorobenzene	ND		0.20		ug/L			11/02/21 16:12	1
Chloroethane	ND		0.50		ug/L			11/02/21 16:12	1
Chloroform	ND		0.20		ug/L			11/02/21 16:12	1
Chloromethane	ND		0.50		ug/L			11/02/21 16:12	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 16:12	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 16:12	1
Dibromochloromethane	ND		0.20		ug/L			11/02/21 16:12	1
Dibromomethane	ND		0.20		ug/L			11/02/21 16:12	1
Ethylbenzene	ND		0.20		ug/L			11/02/21 16:12	1
m,p-Xylene	ND		0.50		ug/L			11/02/21 16:12	1
Methyl iodide	ND		0.50		ug/L			11/02/21 16:12	1
Methylene Chloride	ND		5.0		ug/L			11/02/21 16:12	1
o-Xylene	ND		0.50		ug/L			11/02/21 16:12	1
Styrene	ND		1.0		ug/L			11/02/21 16:12	1
Tetrachloroethene	ND		0.50		ug/L			11/02/21 16:12	1
Toluene	ND		0.20		ug/L			11/02/21 16:12	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 16:12	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 16:12	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/02/21 16:12	1
Trichloroethene	ND		0.20		ug/L			11/02/21 16:12	1
Trichlorofluoromethane	**4.6**		0.50		ug/L			11/02/21 16:12	1
Vinyl acetate	ND	*+	2.0		ug/L			11/02/21 16:12	1
Vinyl chloride	**0.10**		0.020		ug/L			11/02/21 16:12	1

Client Sample ID: 1021-18

Date Collected: 10/26/21 14:56
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-13

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*11/02/21 16:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*11/02/21 16:12*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*11/02/21 16:12*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/02/21 16:12*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**150**		0.50		mg/L		11/08/21 09:20	11/08/21 19:33	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 19:33	1
Magnesium	**77**		0.50		mg/L		11/08/21 09:20	11/08/21 19:33	1
Manganese	ND		0.020		mg/L		11/08/21 09:20	11/08/21 19:33	1
Potassium	**9.4**		3.3		mg/L		11/08/21 09:20	11/08/21 19:33	1
Sodium	**30**		0.50		mg/L		11/08/21 09:20	11/08/21 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0010**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:38	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:38	1
Barium	**0.046**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:38	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:38	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:38	1
Chromium	**0.0020**		0.00080		mg/L		11/02/21 16:58	11/03/21 17:38	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:38	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:38	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:38	1
Nickel	**0.0034**		0.0030		mg/L		11/02/21 16:58	11/03/21 17:38	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:38	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:38	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:38	1
Vanadium	**0.0044**		0.0040		mg/L		11/02/21 16:58	11/03/21 17:38	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 19:17	1
Nitrate Nitrite as N	**6.6**		0.40		mg/L			10/27/21 19:17	1
Chloride	**22**		1.5		mg/L			10/27/21 19:17	1
Sulfate	**59**		1.5		mg/L			10/27/21 19:17	1
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**1.7**		1.0		mg/L			11/07/21 08:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**620**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**620**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**710**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-16

Date Collected: 10/26/21 16:38
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-14

Matrix: Water

Method: 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			11/02/21 16:39	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/02/21 16:39	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/02/21 16:39	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/02/21 16:39	1
1,1-Dichloroethane	ND		0.20		ug/L			11/02/21 16:39	1
1,1-Dichloroethene	ND		0.20		ug/L			11/02/21 16:39	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/02/21 16:39	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/02/21 16:39	1
1,2-Dibromoethane	ND		0.10		ug/L			11/02/21 16:39	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/02/21 16:39	1
1,2-Dichloroethane	ND		0.20		ug/L			11/02/21 16:39	1
1,2-Dichloropropane	ND		0.20		ug/L			11/02/21 16:39	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/02/21 16:39	1
2-Butanone	ND		10		ug/L			11/02/21 16:39	1
2-Hexanone	ND		3.0		ug/L			11/02/21 16:39	1
4-Methyl-2-pentanone	ND		10		ug/L			11/02/21 16:39	1
Acetone	ND	*+	10		ug/L			11/02/21 16:39	1
Acrylonitrile	ND		10		ug/L			11/02/21 16:39	1
Benzene	ND		0.20		ug/L			11/02/21 16:39	1
Bromochloromethane	ND		0.20		ug/L			11/02/21 16:39	1
Bromodichloromethane	ND		0.20		ug/L			11/02/21 16:39	1
Bromoform	ND		0.50		ug/L			11/02/21 16:39	1
Bromomethane	ND		0.50		ug/L			11/02/21 16:39	1
Carbon disulfide	ND		0.30		ug/L			11/02/21 16:39	1
Carbon tetrachloride	ND		0.20		ug/L			11/02/21 16:39	1
Chlorobenzene	ND		0.20		ug/L			11/02/21 16:39	1
Chloroethane	ND		0.50		ug/L			11/02/21 16:39	1
Chloroform	ND		0.20		ug/L			11/02/21 16:39	1
Chloromethane	ND		0.50		ug/L			11/02/21 16:39	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 16:39	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 16:39	1
Dibromochloromethane	ND		0.20		ug/L			11/02/21 16:39	1
Dibromomethane	ND		0.20		ug/L			11/02/21 16:39	1
Ethylbenzene	ND		0.20		ug/L			11/02/21 16:39	1
m,p-Xylene	ND		0.50		ug/L			11/02/21 16:39	1
Methyl iodide	ND		0.50		ug/L			11/02/21 16:39	1
Methylene Chloride	ND		5.0		ug/L			11/02/21 16:39	1
o-Xylene	ND		0.50		ug/L			11/02/21 16:39	1
Styrene	ND		1.0		ug/L			11/02/21 16:39	1
Tetrachloroethene	ND		0.50		ug/L			11/02/21 16:39	1
Toluene	ND		0.20		ug/L			11/02/21 16:39	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 16:39	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 16:39	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/02/21 16:39	1
Trichloroethene	ND		0.20		ug/L			11/02/21 16:39	1
Trichlorofluoromethane	ND		0.50		ug/L			11/02/21 16:39	1
Vinyl acetate	ND	*+	2.0		ug/L			11/02/21 16:39	1
Vinyl chloride	ND		0.020		ug/L			11/02/21 16:39	1

Client Sample ID: 1021-16

Date Collected: 10/26/21 16:38
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-14

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/02/21 16:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*11/02/21 16:39*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*11/02/21 16:39*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/02/21 16:39*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50		mg/L		11/08/21 09:20	11/08/21 19:36	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 19:36	1
Magnesium	**92**		0.50		mg/L		11/08/21 09:20	11/08/21 19:36	1
Manganese	**0.32**		0.020		mg/L		11/08/21 09:20	11/08/21 19:36	1
Potassium	**9.1**		3.3		mg/L		11/08/21 09:20	11/08/21 19:36	1
Sodium	**44**		0.50		mg/L		11/08/21 09:20	11/08/21 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0052**		0.0010		mg/L		11/02/21 16:58	11/03/21 17:42	1
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:42	1
Barium	**0.099**		0.0012		mg/L		11/02/21 16:58	11/03/21 17:42	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:42	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:42	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 17:42	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:42	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 17:42	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:42	1
Nickel	**0.0090**		0.0030		mg/L		11/02/21 16:58	11/03/21 17:42	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 17:42	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 17:42	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 17:42	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 17:42	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/27/21 19:29	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/27/21 19:29	1
Chloride	**110**		15		mg/L			10/28/21 14:59	10
Sulfate	**140**		15		mg/L			10/28/21 14:59	10
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1
Total Organic Carbon	**3.8**		1.0		mg/L			11/07/21 09:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**470**		7.0		mg/L			10/28/21 15:58	1
Bicarbonate Alkalinity as CaCO3	**470**		7.0		mg/L			10/28/21 15:58	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			10/28/21 15:58	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			10/28/21 15:58	1
Total Dissolved Solids	**820**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client Sample Results

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-24
Date Collected: 10/26/21 18:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-15
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	14		2.0		mg/L			10/27/21 19:52	5

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: Trip Blank

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-16

Matrix: Water

Method: 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			11/02/21 17:06	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/02/21 17:06	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/02/21 17:06	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/02/21 17:06	1
1,1-Dichloroethane	ND		0.20		ug/L			11/02/21 17:06	1
1,1-Dichloroethene	ND		0.20		ug/L			11/02/21 17:06	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/02/21 17:06	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/02/21 17:06	1
1,2-Dibromoethane	ND		0.10		ug/L			11/02/21 17:06	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/02/21 17:06	1
1,2-Dichloroethane	ND		0.20		ug/L			11/02/21 17:06	1
1,2-Dichloropropane	ND		0.20		ug/L			11/02/21 17:06	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/02/21 17:06	1
2-Butanone	ND		10		ug/L			11/02/21 17:06	1
2-Hexanone	ND		3.0		ug/L			11/02/21 17:06	1
4-Methyl-2-pentanone	ND		10		ug/L			11/02/21 17:06	1
Acetone	ND	*+	10		ug/L			11/02/21 17:06	1
Acrylonitrile	ND		10		ug/L			11/02/21 17:06	1
Benzene	ND		0.20		ug/L			11/02/21 17:06	1
Bromochloromethane	ND		0.20		ug/L			11/02/21 17:06	1
Bromodichloromethane	ND		0.20		ug/L			11/02/21 17:06	1
Bromoform	ND		0.50		ug/L			11/02/21 17:06	1
Bromomethane	ND		0.50		ug/L			11/02/21 17:06	1
Carbon disulfide	ND		0.30		ug/L			11/02/21 17:06	1
Carbon tetrachloride	ND		0.20		ug/L			11/02/21 17:06	1
Chlorobenzene	ND		0.20		ug/L			11/02/21 17:06	1
Chloroethane	ND		0.50		ug/L			11/02/21 17:06	1
Chloroform	ND		0.20		ug/L			11/02/21 17:06	1
Chloromethane	ND		0.50		ug/L			11/02/21 17:06	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 17:06	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 17:06	1
Dibromochloromethane	ND		0.20		ug/L			11/02/21 17:06	1
Dibromomethane	ND		0.20		ug/L			11/02/21 17:06	1
Ethylbenzene	ND		0.20		ug/L			11/02/21 17:06	1
m,p-Xylene	ND		0.50		ug/L			11/02/21 17:06	1
Methyl iodide	ND		0.50		ug/L			11/02/21 17:06	1
Methylene Chloride	ND		5.0		ug/L			11/02/21 17:06	1
o-Xylene	ND		0.50		ug/L			11/02/21 17:06	1
Styrene	ND		1.0		ug/L			11/02/21 17:06	1
Tetrachloroethene	ND		0.50		ug/L			11/02/21 17:06	1
Toluene	ND		0.20		ug/L			11/02/21 17:06	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 17:06	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 17:06	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/02/21 17:06	1
Trichloroethene	ND		0.20		ug/L			11/02/21 17:06	1
Trichlorofluoromethane	ND		0.50		ug/L			11/02/21 17:06	1
Vinyl acetate	ND	*+	2.0		ug/L			11/02/21 17:06	1
Vinyl chloride	ND		0.020		ug/L			11/02/21 17:06	1

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: Trip Blank
Date Collected: 10/26/21 00:00
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-16
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		11/02/21 17:06	1
4-Bromofluorobenzene (Surr)	98		80 - 120		11/02/21 17:06	1
Dibromofluoromethane (Surr)	100		80 - 120		11/02/21 17:06	1
Toluene-d8 (Surr)	102		80 - 120		11/02/21 17:06	1

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

Lab Sample ID: MB 580-372059/6
Matrix: Water
Analysis Batch: 372059

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			11/01/21 13:07	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/01/21 13:07	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/01/21 13:07	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/01/21 13:07	1
1,1-Dichloroethane	ND		0.20		ug/L			11/01/21 13:07	1
1,1-Dichloroethene	ND		0.20		ug/L			11/01/21 13:07	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/01/21 13:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/01/21 13:07	1
1,2-Dibromoethane	ND		0.10		ug/L			11/01/21 13:07	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/01/21 13:07	1
1,2-Dichloroethane	ND		0.20		ug/L			11/01/21 13:07	1
1,2-Dichloropropane	ND		0.20		ug/L			11/01/21 13:07	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/01/21 13:07	1
2-Butanone	ND		10		ug/L			11/01/21 13:07	1
2-Hexanone	ND		3.0		ug/L			11/01/21 13:07	1
4-Methyl-2-pentanone	ND		10		ug/L			11/01/21 13:07	1
Acetone	ND		10		ug/L			11/01/21 13:07	1
Acrylonitrile	ND		10		ug/L			11/01/21 13:07	1
Benzene	ND		0.20		ug/L			11/01/21 13:07	1
Bromochloromethane	ND		0.20		ug/L			11/01/21 13:07	1
Bromodichloromethane	ND		0.20		ug/L			11/01/21 13:07	1
Bromoform	ND		0.50		ug/L			11/01/21 13:07	1
Bromomethane	ND		0.50		ug/L			11/01/21 13:07	1
Carbon disulfide	ND		0.30		ug/L			11/01/21 13:07	1
Carbon tetrachloride	ND		0.20		ug/L			11/01/21 13:07	1
Chlorobenzene	ND		0.20		ug/L			11/01/21 13:07	1
Chloroethane	ND		0.50		ug/L			11/01/21 13:07	1
Chloroform	ND		0.20		ug/L			11/01/21 13:07	1
Chloromethane	ND		0.50		ug/L			11/01/21 13:07	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 13:07	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 13:07	1
Dibromochloromethane	ND		0.20		ug/L			11/01/21 13:07	1
Dibromomethane	ND		0.20		ug/L			11/01/21 13:07	1
Ethylbenzene	ND		0.20		ug/L			11/01/21 13:07	1
m,p-Xylene	ND		0.50		ug/L			11/01/21 13:07	1
Methyl iodide	ND		0.50		ug/L			11/01/21 13:07	1
Methylene Chloride	ND		5.0		ug/L			11/01/21 13:07	1
o-Xylene	ND		0.50		ug/L			11/01/21 13:07	1
Styrene	ND		1.0		ug/L			11/01/21 13:07	1
Tetrachloroethene	ND		0.50		ug/L			11/01/21 13:07	1
Toluene	ND		0.20		ug/L			11/01/21 13:07	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/01/21 13:07	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/01/21 13:07	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/01/21 13:07	1
Trichloroethene	ND		0.20		ug/L			11/01/21 13:07	1
Trichlorofluoromethane	ND		0.50		ug/L			11/01/21 13:07	1
Vinyl acetate	ND		2.0		ug/L			11/01/21 13:07	1
Vinyl chloride	ND		0.020		ug/L			11/01/21 13:07	1

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

Lab Sample ID: MB 580-372059/6
Matrix: Water
Analysis Batch: 372059

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 120*		*11/01/21 13:07*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*11/01/21 13:07*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*11/01/21 13:07*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/01/21 13:07*	*1*

Lab Sample ID: LCS 580-372059/3
Matrix: Water
Analysis Batch: 372059

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	4.32		ug/L		86	69 - 127
1,1,1-Trichloroethane	5.00	4.45		ug/L		89	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.85		ug/L		117	67 - 136
1,1,2-Trichloroethane	5.00	5.04		ug/L		101	73 - 127
1,1-Dichloroethane	5.00	4.76		ug/L		95	74 - 120
1,1-Dichloroethene	5.00	4.53		ug/L		91	60 - 129
1,2,3-Trichloropropane	5.00	5.55		ug/L		111	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	5.23		ug/L		105	55 - 135
1,2-Dibromoethane	5.00	5.43		ug/L		109	61 - 143
1,2-Dichlorobenzene	5.00	4.59		ug/L		92	72 - 129
1,2-Dichloroethane	5.00	4.26		ug/L		85	74 - 127
1,2-Dichloropropane	5.00	4.81		ug/L		96	69 - 130
1,4-Dichlorobenzene	5.00	4.74		ug/L		95	71 - 129
2-Butanone	25.0	27.5		ug/L		110	37 - 150
2-Hexanone	25.0	21.7		ug/L		87	56 - 150
4-Methyl-2-pentanone	25.0	21.7		ug/L		87	63 - 137
Acetone	25.0	30.8		ug/L		123	49 - 150
Acrylonitrile	50.0	45.6		ug/L		91	50 - 145
Benzene	5.00	5.01		ug/L		100	80 - 120
Bromochloromethane	5.00	5.60		ug/L		112	79 - 121
Bromodichloromethane	5.00	4.53		ug/L		91	74 - 131
Bromoform	5.00	4.94		ug/L		99	48 - 127
Bromomethane	5.00	5.16		ug/L		103	51 - 148
Carbon disulfide	5.00	4.95		ug/L		99	54 - 142
Carbon tetrachloride	5.00	4.31		ug/L		86	66 - 130
Chlorobenzene	5.00	4.82		ug/L		96	74 - 123
Chloroethane	5.00	4.30		ug/L		86	54 - 140
Chloroform	5.00	4.64		ug/L		93	75 - 120
Chloromethane	5.00	3.96		ug/L		79	32 - 150
cis-1,2-Dichloroethene	5.00	4.76		ug/L		95	72 - 120
cis-1,3-Dichloropropene	5.00	5.10		ug/L		102	77 - 131
Dibromochloromethane	5.00	5.15		ug/L		103	62 - 141
Dibromomethane	5.00	4.73		ug/L		95	65 - 141
Ethylbenzene	5.00	4.29		ug/L		86	80 - 124
m,p-Xylene	5.00	4.99		ug/L		100	75 - 124
Methyl iodide	5.00	5.09		ug/L		102	60 - 128
Methylene Chloride	5.00	4.88	J	ug/L		98	40 - 142
o-Xylene	5.00	4.42		ug/L		88	71 - 124

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

Lab Sample ID: LCS 580-372059/3
Matrix: Water
Analysis Batch: 372059

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	4.79		ug/L		96	74 - 127
Tetrachloroethene	5.00	5.06		ug/L		101	75 - 124
Toluene	5.00	4.70		ug/L		94	80 - 126
trans-1,2-Dichloroethene	5.00	4.75		ug/L		95	69 - 121
trans-1,3-Dichloropropene	5.00	4.91		ug/L		98	71 - 138
trans-1,4-Dichloro-2-butene	5.00	5.30		ug/L		106	20 - 150
Trichloroethene	5.00	4.42		ug/L		88	72 - 120
Trichlorofluoromethane	5.00	4.54		ug/L		91	60 - 132
Vinyl acetate	12.5	20.7	*+	ug/L		166	38 - 150
Vinyl chloride	5.00	4.41		ug/L		88	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 580-372059/4
Matrix: Water
Analysis Batch: 372059

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	4.23		ug/L		85	69 - 127	2	22
1,1,1-Trichloroethane	5.00	4.23		ug/L		85	70 - 121	5	24
1,1,2,2-Tetrachloroethane	5.00	5.41		ug/L		108	67 - 136	8	24
1,1,2-Trichloroethane	5.00	4.81		ug/L		96	73 - 127	5	22
1,1-Dichloroethane	5.00	4.59		ug/L		92	74 - 120	4	26
1,1-Dichloroethene	5.00	3.90		ug/L		78	60 - 129	15	29
1,2,3-Trichloropropane	5.00	5.31		ug/L		106	67 - 135	4	25
1,2-Dibromo-3-Chloropropane	5.00	4.85		ug/L		97	55 - 135	8	29
1,2-Dibromoethane	5.00	5.22		ug/L		104	61 - 143	4	22
1,2-Dichlorobenzene	5.00	4.34		ug/L		87	72 - 129	6	22
1,2-Dichloroethane	5.00	4.19		ug/L		84	74 - 127	2	21
1,2-Dichloropropane	5.00	4.56		ug/L		91	69 - 130	5	22
1,4-Dichlorobenzene	5.00	4.44		ug/L		89	71 - 129	6	22
2-Butanone	25.0	28.4		ug/L		114	37 - 150	3	35
2-Hexanone	25.0	20.9		ug/L		84	56 - 150	4	29
4-Methyl-2-pentanone	25.0	21.1		ug/L		84	63 - 137	3	26
Acetone	25.0	27.6		ug/L		111	49 - 150	11	24
Acrylonitrile	50.0	46.2		ug/L		92	50 - 145	1	33
Benzene	5.00	4.78		ug/L		96	80 - 120	5	22
Bromochloromethane	5.00	5.40		ug/L		108	79 - 121	4	20
Bromodichloromethane	5.00	4.37		ug/L		87	74 - 131	4	21
Bromoform	5.00	4.67		ug/L		93	48 - 127	6	23
Bromomethane	5.00	4.96		ug/L		99	51 - 148	4	35
Carbon disulfide	5.00	4.79		ug/L		96	54 - 142	3	34
Carbon tetrachloride	5.00	4.13		ug/L		83	66 - 130	4	24
Chlorobenzene	5.00	4.52		ug/L		90	74 - 123	6	21

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

Lab Sample ID: LCSD 580-372059/4
Matrix: Water
Analysis Batch: 372059

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane			5.00	4.17		ug/L		83	54 - 140	3	33
Chloroform			5.00	4.49		ug/L		90	75 - 120	3	21
Chloromethane			5.00	3.76		ug/L		75	32 - 150	5	33
cis-1,2-Dichloroethene			5.00	4.71		ug/L		94	72 - 120	1	22
cis-1,3-Dichloropropene			5.00	4.76		ug/L		95	77 - 131	7	24
Dibromochloromethane			5.00	4.92		ug/L		98	62 - 141	5	22
Dibromomethane			5.00	4.55		ug/L		91	65 - 141	4	22
Ethylbenzene			5.00	4.10		ug/L		82	80 - 124	5	22
m,p-Xylene			5.00	4.72		ug/L		94	75 - 124	6	22
Methyl iodide			5.00	4.87		ug/L		97	60 - 128	4	39
Methylene Chloride			5.00	4.69	J	ug/L		94	40 - 142	4	25
o-Xylene			5.00	4.25		ug/L		85	71 - 124	4	23
Styrene			5.00	4.52		ug/L		90	74 - 127	6	22
Tetrachloroethene			5.00	4.78		ug/L		96	75 - 124	6	20
Toluene			5.00	4.45		ug/L		89	80 - 126	5	20
trans-1,2-Dichloroethene			5.00	4.51		ug/L		90	69 - 121	5	27
trans-1,3-Dichloropropene			5.00	4.70		ug/L		94	71 - 138	4	26
trans-1,4-Dichloro-2-butene			5.00	5.03		ug/L		101	20 - 150	5	35
Trichloroethene			5.00	4.19		ug/L		84	72 - 120	5	22
Trichlorofluoromethane			5.00	4.25		ug/L		85	60 - 132	7	32
Vinyl acetate			12.5	19.7	*+	ug/L		158	38 - 150	5	35
Vinyl chloride			5.00	4.13		ug/L		83	41 - 150	7	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 580-372159/6
Matrix: Water
Analysis Batch: 372159

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			11/02/21 13:07	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/02/21 13:07	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/02/21 13:07	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/02/21 13:07	1
1,1-Dichloroethane	ND		0.20		ug/L			11/02/21 13:07	1
1,1-Dichloroethene	ND		0.20		ug/L			11/02/21 13:07	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/02/21 13:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/02/21 13:07	1
1,2-Dibromoethane	ND		0.10		ug/L			11/02/21 13:07	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/02/21 13:07	1
1,2-Dichloroethane	ND		0.20		ug/L			11/02/21 13:07	1
1,2-Dichloropropane	ND		0.20		ug/L			11/02/21 13:07	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/02/21 13:07	1
2-Butanone	ND		10		ug/L			11/02/21 13:07	1

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

Lab Sample ID: MB 580-372159/6
Matrix: Water
Analysis Batch: 372159

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			11/02/21 13:07	1
4-Methyl-2-pentanone	ND		10		ug/L			11/02/21 13:07	1
Acetone	ND		10		ug/L			11/02/21 13:07	1
Acrylonitrile	ND		10		ug/L			11/02/21 13:07	1
Benzene	ND		0.20		ug/L			11/02/21 13:07	1
Bromochloromethane	ND		0.20		ug/L			11/02/21 13:07	1
Bromodichloromethane	ND		0.20		ug/L			11/02/21 13:07	1
Bromoform	ND		0.50		ug/L			11/02/21 13:07	1
Bromomethane	ND		0.50		ug/L			11/02/21 13:07	1
Carbon disulfide	ND		0.30		ug/L			11/02/21 13:07	1
Carbon tetrachloride	ND		0.20		ug/L			11/02/21 13:07	1
Chlorobenzene	ND		0.20		ug/L			11/02/21 13:07	1
Chloroethane	ND		0.50		ug/L			11/02/21 13:07	1
Chloroform	ND		0.20		ug/L			11/02/21 13:07	1
Chloromethane	ND		0.50		ug/L			11/02/21 13:07	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 13:07	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 13:07	1
Dibromochloromethane	ND		0.20		ug/L			11/02/21 13:07	1
Dibromomethane	ND		0.20		ug/L			11/02/21 13:07	1
Ethylbenzene	ND		0.20		ug/L			11/02/21 13:07	1
m,p-Xylene	ND		0.50		ug/L			11/02/21 13:07	1
Methyl iodide	ND		0.50		ug/L			11/02/21 13:07	1
Methylene Chloride	ND		5.0		ug/L			11/02/21 13:07	1
o-Xylene	ND		0.50		ug/L			11/02/21 13:07	1
Styrene	ND		1.0		ug/L			11/02/21 13:07	1
Tetrachloroethene	ND		0.50		ug/L			11/02/21 13:07	1
Toluene	ND		0.20		ug/L			11/02/21 13:07	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/02/21 13:07	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/02/21 13:07	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/02/21 13:07	1
Trichloroethene	ND		0.20		ug/L			11/02/21 13:07	1
Trichlorofluoromethane	ND		0.50		ug/L			11/02/21 13:07	1
Vinyl acetate	ND		2.0		ug/L			11/02/21 13:07	1
Vinyl chloride	ND		0.020		ug/L			11/02/21 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*11/02/21 13:07*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*11/02/21 13:07*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*11/02/21 13:07*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/02/21 13:07*	*1*

Lab Sample ID: LCS 580-372159/3
Matrix: Water
Analysis Batch: 372159

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	4.43		ug/L		89	69 - 127
1,1,1-Trichloroethane	5.00	4.67		ug/L		93	70 - 121

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

Lab Sample ID: LCS 580-372159/3
Matrix: Water
Analysis Batch: 372159

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	5.47		ug/L		109	67 - 136
1,1,2-Trichloroethane	5.00	4.94		ug/L		99	73 - 127
1,1-Dichloroethane	5.00	4.85		ug/L		97	74 - 120
1,1-Dichloroethene	5.00	5.58		ug/L		112	60 - 129
1,2,3-Trichloropropane	5.00	5.38		ug/L		108	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.56		ug/L		91	55 - 135
1,2-Dibromoethane	5.00	5.38		ug/L		108	61 - 143
1,2-Dichlorobenzene	5.00	4.63		ug/L		93	72 - 129
1,2-Dichloroethane	5.00	4.86		ug/L		97	74 - 127
1,2-Dichloropropane	5.00	4.91		ug/L		98	69 - 130
1,4-Dichlorobenzene	5.00	4.56		ug/L		91	71 - 129
2-Butanone	25.0	28.5		ug/L		114	37 - 150
2-Hexanone	25.0	21.9		ug/L		88	56 - 150
4-Methyl-2-pentanone	25.0	22.5		ug/L		90	63 - 137
Acetone	25.0	33.8		ug/L		135	49 - 150
Acrylonitrile	50.0	53.3		ug/L		107	50 - 145
Benzene	5.00	5.14		ug/L		103	80 - 120
Bromochloromethane	5.00	5.95		ug/L		119	79 - 121
Bromodichloromethane	5.00	4.75		ug/L		95	74 - 131
Bromoform	5.00	4.30		ug/L		86	48 - 127
Bromomethane	5.00	6.46		ug/L		129	51 - 148
Carbon disulfide	5.00	4.68		ug/L		94	54 - 142
Carbon tetrachloride	5.00	4.65		ug/L		93	66 - 130
Chlorobenzene	5.00	4.93		ug/L		99	74 - 123
Chloroethane	5.00	5.73		ug/L		115	54 - 140
Chloroform	5.00	5.02		ug/L		100	75 - 120
Chloromethane	5.00	4.95		ug/L		99	32 - 150
cis-1,2-Dichloroethene	5.00	4.98		ug/L		100	72 - 120
cis-1,3-Dichloropropene	5.00	4.72		ug/L		94	77 - 131
Dibromochloromethane	5.00	4.87		ug/L		97	62 - 141
Dibromomethane	5.00	4.78		ug/L		96	65 - 141
Ethylbenzene	5.00	4.38		ug/L		88	80 - 124
m,p-Xylene	5.00	4.88		ug/L		98	75 - 124
Methyl iodide	5.00	5.36		ug/L		107	60 - 128
Methylene Chloride	5.00	4.98	J	ug/L		100	40 - 142
o-Xylene	5.00	4.47		ug/L		89	71 - 124
Styrene	5.00	4.85		ug/L		97	74 - 127
Tetrachloroethene	5.00	5.24		ug/L		105	75 - 124
Toluene	5.00	4.72		ug/L		94	80 - 126
trans-1,2-Dichloroethene	5.00	5.07		ug/L		101	69 - 121
trans-1,3-Dichloropropene	5.00	4.53		ug/L		91	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.84		ug/L		97	20 - 150
Trichloroethene	5.00	4.64		ug/L		93	72 - 120
Trichlorofluoromethane	5.00	6.13		ug/L		123	60 - 132
Vinyl acetate	12.5	19.6	*+	ug/L		157	38 - 150
Vinyl chloride	5.00	5.71		ug/L		114	41 - 150

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

Lab Sample ID: LCS 580-372159/3
Matrix: Water
Analysis Batch: 372159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 580-372159/4
Matrix: Water
Analysis Batch: 372159

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	4.29		ug/L		86	69 - 127	3	22
1,1,1-Trichloroethane			5.00	4.49		ug/L		90	70 - 121	4	24
1,1,2,2-Tetrachloroethane			5.00	5.48		ug/L		110	67 - 136	0	24
1,1,2-Trichloroethane			5.00	5.11		ug/L		102	73 - 127	3	22
1,1-Dichloroethane			5.00	4.70		ug/L		94	74 - 120	3	26
1,1-Dichloroethene			5.00	4.42		ug/L		88	60 - 129	23	29
1,2,3-Trichloropropane			5.00	5.49		ug/L		110	67 - 135	2	25
1,2-Dibromo-3-Chloropropane			5.00	4.51		ug/L		90	55 - 135	1	29
1,2-Dibromoethane			5.00	5.43		ug/L		109	61 - 143	1	22
1,2-Dichlorobenzene			5.00	4.67		ug/L		93	72 - 129	1	22
1,2-Dichloroethane			5.00	4.76		ug/L		95	74 - 127	2	21
1,2-Dichloropropane			5.00	4.76		ug/L		95	69 - 130	3	22
1,4-Dichlorobenzene			5.00	4.67		ug/L		93	71 - 129	2	22
2-Butanone			25.0	27.4		ug/L		110	37 - 150	4	35
2-Hexanone			25.0	21.3		ug/L		85	56 - 150	3	29
4-Methyl-2-pentanone			25.0	21.8		ug/L		87	63 - 137	3	26
Acetone			25.0	38.8	*+	ug/L		155	49 - 150	14	24
Acrylonitrile			50.0	54.8		ug/L		110	50 - 145	3	33
Benzene			5.00	4.93		ug/L		99	80 - 120	4	22
Bromochloromethane			5.00	5.80		ug/L		116	79 - 121	3	20
Bromodichloromethane			5.00	4.49		ug/L		90	74 - 131	6	21
Bromoform			5.00	4.22		ug/L		84	48 - 127	2	23
Bromomethane			5.00	6.05		ug/L		121	51 - 148	7	35
Carbon disulfide			5.00	4.34		ug/L		87	54 - 142	7	34
Carbon tetrachloride			5.00	4.28		ug/L		86	66 - 130	8	24
Chlorobenzene			5.00	4.89		ug/L		98	74 - 123	1	21
Chloroethane			5.00	5.47		ug/L		109	54 - 140	5	33
Chloroform			5.00	4.74		ug/L		95	75 - 120	6	21
Chloromethane			5.00	4.66		ug/L		93	32 - 150	6	33
cis-1,2-Dichloroethene			5.00	4.70		ug/L		94	72 - 120	6	22
cis-1,3-Dichloropropene			5.00	4.71		ug/L		94	77 - 131	0	24
Dibromochloromethane			5.00	4.89		ug/L		98	62 - 141	0	22
Dibromomethane			5.00	4.74		ug/L		95	65 - 141	1	22
Ethylbenzene			5.00	4.28		ug/L		86	80 - 124	2	22
m,p-Xylene			5.00	4.98		ug/L		100	75 - 124	2	22
Methyl iodide			5.00	5.17		ug/L		103	60 - 128	4	39
Methylene Chloride			5.00	4.53	J	ug/L		91	40 - 142	10	25
o-Xylene			5.00	4.44		ug/L		89	71 - 124	1	23

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

Lab Sample ID: LCSD 580-372159/4
Matrix: Water
Analysis Batch: 372159

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	5.00	4.74		ug/L		95	74 - 127	2	22
Tetrachloroethene	5.00	5.16		ug/L		103	75 - 124	1	20
Toluene	5.00	4.67		ug/L		93	80 - 126	1	20
trans-1,2-Dichloroethene	5.00	4.69		ug/L		94	69 - 121	8	27
trans-1,3-Dichloropropene	5.00	4.52		ug/L		90	71 - 138	0	26
trans-1,4-Dichloro-2-butene	5.00	5.26		ug/L		105	20 - 150	8	35
Trichloroethene	5.00	4.37		ug/L		87	72 - 120	6	22
Trichlorofluoromethane	5.00	5.82		ug/L		116	60 - 132	5	32
Vinyl acetate	12.5	19.3	*+	ug/L		154	38 - 150	2	35
Vinyl chloride	5.00	5.11		ug/L		102	41 - 150	11	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-372641/24-A
Matrix: Water
Analysis Batch: 372761

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 372641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		11/08/21 09:20	11/08/21 18:11	1
Iron	ND		0.30		mg/L		11/08/21 09:20	11/08/21 18:11	1
Magnesium	ND		0.50		mg/L		11/08/21 09:20	11/08/21 18:11	1
Manganese	ND		0.020		mg/L		11/08/21 09:20	11/08/21 18:11	1
Potassium	ND		3.3		mg/L		11/08/21 09:20	11/08/21 18:11	1
Sodium	ND		0.50		mg/L		11/08/21 09:20	11/08/21 18:11	1

Lab Sample ID: LCS 580-372641/25-A
Matrix: Water
Analysis Batch: 372761

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 372641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	20.0	20.7		mg/L		104	80 - 120
Iron	20.0	19.0		mg/L		95	80 - 120
Magnesium	20.0	19.2		mg/L		96	80 - 120
Manganese	1.00	0.961		mg/L		96	80 - 120
Potassium	20.0	20.2		mg/L		101	80 - 120
Sodium	20.0	18.6		mg/L		93	80 - 120

Lab Sample ID: LCSD 580-372641/26-A
Matrix: Water
Analysis Batch: 372761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 372641

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	20.0	21.1		mg/L		105	80 - 120	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-372641/26-A
Matrix: Water
Analysis Batch: 372761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 372641

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron			20.0	19.7		mg/L		98	80 - 120	3	20
Magnesium			20.0	19.8		mg/L		99	80 - 120	3	20
Manganese			1.00	0.994		mg/L		99	80 - 120	3	20
Potassium			20.0	20.5		mg/L		103	80 - 120	2	20
Sodium			20.0	19.1		mg/L		96	80 - 120	3	20

Lab Sample ID: 580-106980-1 MS
Matrix: Water
Analysis Batch: 372761

Client Sample ID: 1021-27
Prep Type: Dissolved
Prep Batch: 372641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	100		20.0	125	4	mg/L		108	80 - 120
Iron	0.86		20.0	21.1		mg/L		101	80 - 120
Magnesium	56		20.0	78.5		mg/L		112	80 - 120
Manganese	0.080		1.00	1.11		mg/L		103	80 - 120
Potassium	7.3		20.0	28.2		mg/L		105	80 - 120
Sodium	28		20.0	49.7		mg/L		107	80 - 120

Lab Sample ID: 580-106980-1 MSD
Matrix: Water
Analysis Batch: 372761

Client Sample ID: 1021-27
Prep Type: Dissolved
Prep Batch: 372641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	100		20.0	119	4	mg/L		76	80 - 120	5	20
Iron	0.86		20.0	19.8		mg/L		95	80 - 120	7	20
Magnesium	56		20.0	72.8		mg/L		83	80 - 120	8	20
Manganese	0.080		1.00	1.04		mg/L		96	80 - 120	7	20
Potassium	7.3		20.0	27.0		mg/L		99	80 - 120	5	20
Sodium	28		20.0	46.0		mg/L		89	80 - 120	8	20

Lab Sample ID: 580-106980-1 DU
Matrix: Water
Analysis Batch: 372761

Client Sample ID: 1021-27
Prep Type: Dissolved
Prep Batch: 372641

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	100		102		mg/L		1	20
Iron	0.86		0.886		mg/L		3	20
Magnesium	56		55.3		mg/L		2	20
Manganese	0.080		0.0796		mg/L		0.1	20
Potassium	7.3		7.23		mg/L		0.4	20
Sodium	28		27.9		mg/L		1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-372237/24-A
Matrix: Water
Analysis Batch: 372380

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 372237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 15:35	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-372237/24-A
Matrix: Water
Analysis Batch: 372380

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 372237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 15:35	1
Barium	ND		0.0012		mg/L		11/02/21 16:58	11/03/21 15:35	1
Beryllium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 15:35	1
Cadmium	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 15:35	1
Chromium	ND		0.00080		mg/L		11/02/21 16:58	11/03/21 15:35	1
Cobalt	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 15:35	1
Copper	ND		0.0020		mg/L		11/02/21 16:58	11/03/21 15:35	1
Lead	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 15:35	1
Nickel	ND		0.0030		mg/L		11/02/21 16:58	11/03/21 15:35	1
Selenium	ND		0.0080		mg/L		11/02/21 16:58	11/03/21 15:35	1
Silver	ND		0.00040		mg/L		11/02/21 16:58	11/03/21 15:35	1
Thallium	ND		0.0010		mg/L		11/02/21 16:58	11/03/21 15:35	1
Vanadium	ND		0.0040		mg/L		11/02/21 16:58	11/03/21 15:35	1
Zinc	ND		0.0070		mg/L		11/02/21 16:58	11/03/21 15:35	1

Lab Sample ID: LCS 580-372237/25-A
Matrix: Water
Analysis Batch: 372380

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 372237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.972		mg/L		97	80 - 120
Antimony	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	0.980		mg/L		98	80 - 120
Beryllium	1.00	1.07		mg/L		107	80 - 120
Cadmium	1.00	0.979		mg/L		98	80 - 120
Chromium	1.00	1.05		mg/L		105	80 - 120
Cobalt	1.00	0.974		mg/L		97	80 - 120
Copper	1.00	1.05		mg/L		105	80 - 120
Lead	1.00	0.979		mg/L		98	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	1.00		mg/L		100	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	1.00	1.08		mg/L		108	80 - 120
Zinc	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: LCSD 580-372237/26-A
Matrix: Water
Analysis Batch: 372380

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 372237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	0.978		mg/L		98	80 - 120	1	20
Antimony	1.00	1.01		mg/L		101	80 - 120	0	20
Barium	1.00	0.981		mg/L		98	80 - 120	0	20
Beryllium	1.00	1.06		mg/L		106	80 - 120	1	20
Cadmium	1.00	0.979		mg/L		98	80 - 120	0	20
Chromium	1.00	1.04		mg/L		104	80 - 120	1	20
Cobalt	1.00	0.973		mg/L		97	80 - 120	0	20
Copper	1.00	1.05		mg/L		105	80 - 120	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-372237/26-A
Matrix: Water
Analysis Batch: 372380

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 372237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1.00	0.975		mg/L		97	80 - 120	0	20
Nickel			1.00	1.06		mg/L		106	80 - 120	0	20
Selenium			1.00	0.958		mg/L		96	80 - 120	5	20
Silver			1.00	1.00		mg/L		100	80 - 120	0	20
Thallium			1.00	1.03		mg/L		103	80 - 120	1	20
Vanadium			1.00	1.08		mg/L		108	80 - 120	0	20
Zinc			1.00	1.05		mg/L		105	80 - 120	0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-371778/3
Matrix: Water
Analysis Batch: 371778

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			10/27/21 13:29	1

Lab Sample ID: LCS 580-371778/4
Matrix: Water
Analysis Batch: 371778

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 580-371778/5
Matrix: Water
Analysis Batch: 371778

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: 580-106980-7 MS
Matrix: Water
Analysis Batch: 371778

Client Sample ID: 1021-01
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	10.1		mg/L		101	90 - 110		

Lab Sample ID: 580-106980-7 MSD
Matrix: Water
Analysis Batch: 371778

Client Sample ID: 1021-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		10.0	10.2		mg/L		102	90 - 110	0	15

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 580-371790/3
Matrix: Water
Analysis Batch: 371790

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			10/27/21 13:29	1
Chloride	ND		1.5		mg/L			10/27/21 13:29	1
Sulfate	ND		1.5		mg/L			10/27/21 13:29	1

Lab Sample ID: LCS 580-371790/4
Matrix: Water
Analysis Batch: 371790

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	51.8		mg/L		104	90 - 110
Sulfate	50.0	51.1		mg/L		102	90 - 110

Lab Sample ID: LCSD 580-371790/5
Matrix: Water
Analysis Batch: 371790

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	4.98		mg/L		100	90 - 110	0	15
Chloride	50.0	51.9		mg/L		104	90 - 110	0	15
Sulfate	50.0	51.0		mg/L		102	90 - 110	0	15

Lab Sample ID: 580-106980-7 MS
Matrix: Water
Analysis Batch: 371790

Client Sample ID: 1021-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	ND		5.00	5.10		mg/L		99	90 - 110
Chloride	23		50.0	74.1		mg/L		102	90 - 110
Sulfate	24		50.0	76.0		mg/L		105	90 - 110

Lab Sample ID: 580-106980-7 MSD
Matrix: Water
Analysis Batch: 371790

Client Sample ID: 1021-01
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	5.11		mg/L		100	90 - 110	0	15
Chloride	23		50.0	74.1		mg/L		102	90 - 110	0	15
Sulfate	24		50.0	76.0		mg/L		105	90 - 110	0	15

Lab Sample ID: MB 580-371853/3
Matrix: Water
Analysis Batch: 371853

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			10/28/21 11:40	1
Chloride	ND		1.5		mg/L			10/28/21 11:40	1
Sulfate	ND		1.5		mg/L			10/28/21 11:40	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-371853/4
Matrix: Water
Analysis Batch: 371853

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	5.02		mg/L		100	90 - 110
Chloride	50.0	52.0		mg/L		104	90 - 110
Sulfate	50.0	51.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 580-371853/5
Matrix: Water
Analysis Batch: 371853

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	5.03		mg/L		101	90 - 110	0	15
Chloride	50.0	52.0		mg/L		104	90 - 110	0	15
Sulfate	50.0	51.1		mg/L		102	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-371866/1-A
Matrix: Water
Analysis Batch: 371964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		10/28/21 21:01	10/29/21 19:18	1

Lab Sample ID: LCS 580-371866/2-A
Matrix: Water
Analysis Batch: 371964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.01		mg/L		101	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-371848/2
Matrix: Water
Analysis Batch: 371848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	100	97.6		mg/L		98	85 - 115

Lab Sample ID: LCSD 580-371848/3
Matrix: Water
Analysis Batch: 371848

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	97.8		mg/L		98	85 - 115	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-372205/1
Matrix: Water
Analysis Batch: 372205

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			11/02/21 12:45	1

Lab Sample ID: LCS 580-372205/2
Matrix: Water
Analysis Batch: 372205

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	844		mg/L		84	80 - 120		

Method: SM 5220D - COD

Lab Sample ID: MB 580-371929/3-A
Matrix: Water
Analysis Batch: 371962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371929

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		10/29/21 14:05	10/29/21 18:37	1

Lab Sample ID: LCS 580-371929/4-A
Matrix: Water
Analysis Batch: 371962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371929

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			75.0	71.2		mg/L		95	80 - 120		

Lab Sample ID: LCSD 580-371929/5-A
Matrix: Water
Analysis Batch: 371962

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 371929

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	77.8		mg/L		104	80 - 120	9	20

Lab Sample ID: 580-106980-13 MS
Matrix: Water
Analysis Batch: 371962

Client Sample ID: 1021-18
Prep Type: Total/NA
Prep Batch: 371929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	ND		25.0	24.2		mg/L		97	75 - 125		

Lab Sample ID: 580-106980-13 DU
Matrix: Water
Analysis Batch: 371962

Client Sample ID: 1021-18
Prep Type: Total/NA
Prep Batch: 371929

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 580-372353/3-A
Matrix: Water
Analysis Batch: 372379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372353

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:01	11/03/21 20:59	1

Lab Sample ID: LCS 580-372353/4-A
Matrix: Water
Analysis Batch: 372379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372353

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand			75.0	76.4		mg/L		102	80 - 120		

Lab Sample ID: LCSD 580-372353/5-A
Matrix: Water
Analysis Batch: 372379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 372353

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand			75.0	78.5		mg/L		105	80 - 120	3	20

Lab Sample ID: 580-106980-14 MS
Matrix: Water
Analysis Batch: 372379

Client Sample ID: 1021-16
Prep Type: Total/NA
Prep Batch: 372353

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chemical Oxygen Demand	ND		25.0	24.2		mg/L		97	75 - 125		

Lab Sample ID: 580-106980-14 DU
Matrix: Water
Analysis Batch: 372379

Client Sample ID: 1021-16
Prep Type: Total/NA
Prep Batch: 372353

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 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 400-555219/7
Matrix: Water
Analysis Batch: 555219

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			11/07/21 02:25	1

Lab Sample ID: LCS 400-555219/9
Matrix: Water
Analysis Batch: 555219

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			20.0	19.6		mg/L		98	85 - 115		

Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 400-555219/10
Matrix: Water
Analysis Batch: 555219

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			20.0	19.5		mg/L		97	85 - 115	1	30

Lab Sample ID: MRL 400-555219/6
Matrix: Water
Analysis Batch: 555219

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	1.13		mg/L		113	50 - 150		

Lab Sample ID: 580-106980-1 MS
Matrix: Water
Analysis Batch: 555219

Client Sample ID: 1021-27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	1.4		5.00	5.86		mg/L		89	76 - 117		

Lab Sample ID: 580-106980-1 MSD
Matrix: Water
Analysis Batch: 555219

Client Sample ID: 1021-27
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	1.4		5.00	5.84		mg/L		89	76 - 117	0	16

Lab Sample ID: 580-106980-11 MS
Matrix: Water
Analysis Batch: 555219

Client Sample ID: 1021-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Organic Carbon	2.3		5.00	6.87		mg/L		91	76 - 117		

Lab Sample ID: 580-106980-11 MSD
Matrix: Water
Analysis Batch: 555219

Client Sample ID: 1021-17
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	2.3		5.00	6.74		mg/L		89	76 - 117	2	16

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-27
Date Collected: 10/26/21 11:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 17:07	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 18:20	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 16:38	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 15:46	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 15:46	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 03:26	DEK	TAL PEN

Client Sample ID: 1021-26
Date Collected: 10/26/21 12:07
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 17:33	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 18:49	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 16:42	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 15:58	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 15:58	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 04:15	DEK	TAL PEN

Client Sample ID: 1021-08
Date Collected: 10/26/21 13:15
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 17:59	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 18:53	TMH	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-08

Date Collected: 10/26/21 13:15
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 16:46	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 16:33	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 16:33	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 04:32	DEK	TAL PEN

Client Sample ID: 1021-07

Date Collected: 10/26/21 14:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 18:26	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 18:56	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 16:49	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 16:45	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 16:45	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 05:20	DEK	TAL PEN

Client Sample ID: 1021-03

Date Collected: 10/26/21 15:20
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 18:53	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 18:59	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 16:53	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 16:56	E1S	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-03

Date Collected: 10/26/21 15:20
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	371790	10/27/21 16:56	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 05:34	DEK	TAL PEN

Client Sample ID: 1021-06

Date Collected: 10/26/21 16:25
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 19:20	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:03	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:12	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 17:08	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 17:08	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 05:50	DEK	TAL PEN

Client Sample ID: 1021-01

Date Collected: 10/26/21 17:10
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 19:46	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:06	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:16	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 17:20	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 17:20	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-01
Date Collected: 10/26/21 17:10
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 06:06	DEK	TAL PEN

Client Sample ID: 1021-19
Date Collected: 10/26/21 11:11
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 20:13	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:09	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:19	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 17:55	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 17:55	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 06:23	DEK	TAL PEN

Client Sample ID: 1021-29
Date Collected: 10/26/21 11:35
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 20:39	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:19	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:23	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 18:07	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 18:07	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-29
Date Collected: 10/26/21 11:35
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 06:39	DEK	TAL PEN

Client Sample ID: 1021-20
Date Collected: 10/26/21 12:25
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372059	11/01/21 21:06	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:23	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:27	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 18:18	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 18:18	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 06:55	DEK	TAL PEN

Client Sample ID: 1021-17
Date Collected: 10/26/21 13:40
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372159	11/02/21 15:20	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:26	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:30	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 18:53	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 18:53	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 07:11	DEK	TAL PEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-28
Date Collected: 10/26/21 14:00
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372159	11/02/21 15:46	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:29	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:34	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 19:05	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 19:05	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 08:30	DEK	TAL PEN

Client Sample ID: 1021-18
Date Collected: 10/26/21 14:56
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372159	11/02/21 16:12	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:33	TMH	FGS SEA
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:38	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 19:17	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 19:17	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			371929	10/29/21 14:05	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	371962	10/29/21 18:37	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 08:46	DEK	TAL PEN

Client Sample ID: 1021-16
Date Collected: 10/26/21 16:38
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372159	11/02/21 16:39	TL1	FGS SEA
Dissolved	Prep	3005A			372641	11/08/21 09:20	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372761	11/08/21 19:36	TMH	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Client Sample ID: 1021-16

Date Collected: 10/26/21 16:38
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372237	11/02/21 16:58	TMH	FGS SEA
Total Recoverable	Analysis	6020B		1	372380	11/03/21 17:42	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371778	10/27/21 19:29	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371790	10/27/21 19:29	E1S	FGS SEA
Total/NA	Analysis	300.0		10	371853	10/28/21 14:59	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			371866	10/28/21 21:01	MLT	FGS SEA
Total/NA	Analysis	350.1		1	371964	10/29/21 19:18	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	371848	10/28/21 15:58	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 09:03	DEK	TAL PEN

Client Sample ID: 1021-24

Date Collected: 10/26/21 18:05
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		5	371778	10/27/21 19:52	E1S	FGS SEA

Client Sample ID: Trip Blank

Date Collected: 10/26/21 00:00
Date Received: 10/27/21 10:15

Lab Sample ID: 580-106980-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372159	11/02/21 17:06	TL1	FGS SEA

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Laboratory: Eurofins FGS, 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	07-13-22

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
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 TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	11-30-21
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville 4Q21

Job ID: 580-106980-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-106980-1	1021-27	Water	10/26/21 11:05	10/27/21 10:15
580-106980-2	1021-26	Water	10/26/21 12:07	10/27/21 10:15
580-106980-3	1021-08	Water	10/26/21 13:15	10/27/21 10:15
580-106980-4	1021-07	Water	10/26/21 14:05	10/27/21 10:15
580-106980-5	1021-03	Water	10/26/21 15:20	10/27/21 10:15
580-106980-6	1021-06	Water	10/26/21 16:25	10/27/21 10:15
580-106980-7	1021-01	Water	10/26/21 17:10	10/27/21 10:15
580-106980-8	1021-19	Water	10/26/21 11:11	10/27/21 10:15
580-106980-9	1021-29	Water	10/26/21 11:35	10/27/21 10:15
580-106980-10	1021-20	Water	10/26/21 12:25	10/27/21 10:15
580-106980-11	1021-17	Water	10/26/21 13:40	10/27/21 10:15
580-106980-12	1021-28	Water	10/26/21 14:00	10/27/21 10:15
580-106980-13	1021-18	Water	10/26/21 14:56	10/27/21 10:15
580-106980-14	1021-16	Water	10/26/21 16:38	10/27/21 10:15
580-106980-15	1021-24	Water	10/26/21 18:05	10/27/21 10:15
580-106980-16	Trip Blank	Water	10/26/21 00:00	10/27/21 10:15

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SG + AL	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):
Client Contact: Mr. Sam Graber	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin:
Company: SCS Engineers	PWSID:		
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: Standard		
City: Bellevue	TAT Requested (days):		
State, Zip: WA, 98005-1877	Compliance Project: ☐ Yes ☐ No		
Phone: 425-289-5465(Tel)	PO #: Purchase Order not required		
Email: SGraber@scsengineers.com	WO #:		
Project Name: Coupeville 2Q20	Project #: 58009563		
Site: Washington	SSOW#:		

COC No: 580-46542-13705.3
Page: Page 3 of 3
Job #: 0420703.14

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)	Preservation Code	314.0 - Perchlorate	353.2_300.0_28D_300_adds	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	300C_LL - Chloride, colorless ion, low level	314.0 - Sulfate, Total Dissolved (TDS)	300_ORGFM - Nitrate/Nitrite	300_ORGFM - Nitrogen, Nitrate-Nitrite	Total Number of Containers
1021-27	10/26/21	1105	G	Water		Y	N	X	X	X	X	X	X	X	X
1021-26		1207		Water				X	X	X	X	X	X	X	X
1021-08		1315		Water				X	X	X	X	X	X	X	X
1021-07		1405		Water				X	X	X	X	X	X	X	X
1021-03		1520		Water				X	X	X	X	X	X	X	X
1021-06		1625		Water				X	X	X	X	X	X	X	X
1021-01		1710		Water				X	X	X	X	X	X	X	X
1021-19		1111		Water				X	X	X	X	X	X	X	X
1021-29		1135		Water				X	X	X	X	X	X	X	X
1021-20		1225		Water				X	X	X	X	X	X	X	X
1021-17	↓	1340	↓	↓		V	V	X	X	X	X	X	X	X	X

Special Instructions/Note:
* Report nitrate
300 Nitrate as
Nitrate/Nitrite
combined data

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☒ Dispose By Lab ☐ Archive For ___ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:	Method of Shipment:	
Relinquished by:	Date/Time: 10/27/21 1015	Company: SCS	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 10/27/21 1015	Company: FGS	
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Ver: 06/08/2021

Therm. ID: AI Cor: 4.4 ° Unc: 4.7 °
Cooler Dsc: Lg Blue
Packing: Bub
Cust. Seal: Yes ___ No X
Blue Ice, (Wet), Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

10/27/21 1015

Therm. ID: AI Cor: 3.4 ° Unc: 3.7 °
Cooler Dsc: Lg B
Packing: Bub
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: AI Cor: 4.5 ° Unc: 4.8 °
Cooler Dsc: Lg B
Packing: Bub
Cust. Seal: Yes ___ No X
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Therm. ID: AI Cor: 4.2 ° Unc: 4.5 °
Cooler Dsc: Lg B
Packing: Bub
Cust. Seal: Yes ___ No X
Blue Ice, (Wet), Dry, None
FedEx: ___
UPS: ___
Lab Cour: X
Other: ___

Eurofins FGS, Seattle
5755 6th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-6210

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SG & AL	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-45542-13705.1
Client Contact: Mr. Sam Graber	Phone: 425-766-3566	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin:	Page: Page 1 of 3
Company: SCS Engineers	PWSID:			Job #: 04207033.14
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: Standard	Analysis Requested		Preservation Codes:
City: Bellevue	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; Z - other (specify); Other:
State, Zip: WA, 98005-1877	Compliance Project: Δ Yes Δ No			
Phone: 425-289-5455(Tel)	PO #: Purchase Order not required			
Email: SGraber@scsengineers.com	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Washington	SSOW#:			Special Instructions/Note:

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; 5210B	2320B; 300.0_28D; 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	9250C_LL - Volatiles, carbon tet, low level	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	353.2 - (MOD) Nitrogen, Nitrate-Nitrite	Total Number of containers	
1021-28	10/26/21	1400	G	Water	Y	N	X	X	X	X	X	X	X	X		2	A Please report
1021-18		1456		Water	Y	N	X	X	X	X	X	X	X	X		2	Nitrate/Nitrite
1021-16		1638		Water	Y	N	X	X	X	X	X	X	X	X		2	samples using
1021-24		1805	↓	Water	N	N									X	2	method 300.0
Trip blank		—	—	Water	N	N						X				2	
				Water													
				Water													
				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: 10/26/21 1015	Company: SCS	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 10/27/21 1015	Company: EFG

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

580-106980 Chain of Custody

fins Environment Testing America

Client Information	Sampler: SG + AL	Lab PM: Lewis, Nathan A	2-13705.3
Client Contact: Mr. Sam Graber	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin:
Company: SCS Engineers	PWSID:		Page: Page 3 of 3
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: Standard		Job #: 04207033.14
City: Bellevue	TAT Requested (days):		
State, Zip: WA, 98005-1877	Compliance Project: Δ Yes Δ No		
Phone: 425-289-5455(Tel)	PO #: Purchase Order not required		
Email: SGraber@scsengineers.com	WO #:		
Project Name: Coupeville 2Q20	Project #: 58009563		
Site: Washington	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, 5220D	2320B, 300.0_28D, 300_48HR *	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	~~350.2 (MOD) Nitrogen, Nitrate-Nitrite~~					Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N	D	D	S	A	N	N	S						
1021-27	10/26/21	1105	G	Water	Y	N	X	X	X	X	X	X	X							10	* Report method
1021-26		1207		Water			X	X	X	X	X	X	X							10	300 Nitrate as
1021-08		1315		Water			X	X	X	X	X	X	X							10	Nitrate/Nitrite
1021-07		1405		Water			X	X	X	X	X	X	X							10	combined please
1021-03		1520		Water			X	X	X	X	X	X	X							10	
1021-06		1625		Water			X	X	X	X	X	X	X							10	
1021-01		1710		Water			X	X	X	X	X	X	X							10	
1021-19		1111		Water			X	X	X	X	X	X	X							10	
1021-29		1135		Water			X	X	X	X	X	X	X							10	
1021-20		1225		Water			X	X	X	X	X	X	X							10	
1021-17	↓	1340	↓	↓	↓	↓	X	X	X	X	X	X	X							10	

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: ~~10/27/21~~ 10/27/21	Company: SCS	Received by:	Date/Time: 10/27/21 1015	Company: ETAS
Relinquished by:	Date/Time: 1015	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 FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: SG & AL	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-45542-13705.1
Client Contact: Mr. Sam Graber	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin:	Page: Page 1 of 3
Company: SCS Engineers	PWSID:			Job #: 04207033.14
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: 425-289-5455(Tel)	PO #: Purchase Order not required			
Email: SGraber@scsengineers.com	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Washington	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, 5220D	2320B, 300.0, 28D, 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	300_48HR - Nitrate/Nitrite	353.2 - (MOD) Nitrogen, Nitrate-Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	D	D	S	A	N	N	S		
1021-28	10/26/21	1400	G	Water	Y	N	X	X	X	X	X	X	X			10	A Please report
1021-18		1456	↓	Water	Y	N	X	X	X	X	X	X	X			10	Nitrate/Nitrite
1021-16		1638	↓	Water	Y	N	X	X	X	X	X	X	X			10	combined using
1021-24		1805	↓	Water	N	N								X		2	method 300.0
Trip blank		—	—	Water	N	N						X				2	
				Water													
				Water													
				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
	10/26/21 1015	SCS		10/27/21 1015	EFGS
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:

10/27/21 1015

Therm. ID: A1 Cor: 4.4 ° Unc: 4.7 °
Cooler Dsc: Lg Blue
Packing: Bub FedEx:
Cust. Seal: Yes No X UPS:
Blue Ice, (Wet), Dry, None Lab Cour: X
Other:

Therm. ID: A1 Cor: 4.5 ° Unc: 4.8 °
Cooler Dsc: Lg B
Packing: Bub FedEx:
Cust. Seal: Yes No X UPS:
Blue Ice, Wet, Dry, None Lab Cour: X
Other:

Therm. ID: A1 Cor: 4.2 ° Unc: 4.5 °
Cooler Dsc: Lg B
Packing: Bub FedEx:
Cust. Seal: Yes No X UPS:
Blue Ice, (Wet), Dry, None Lab Cour: X
Other:

Therm. ID: A1 Cor: 3.4 ° Unc: 3.7 °
Cooler Dsc: Lg B
Packing: Bub FedEx:
Cust. Seal: Yes No X UPS:
Blue Ice, Wet, Dry, None Lab Cour: X
Other:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-96493.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 580-106980-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 11/9/2021			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Island County-CSWF-Q1 & Q3	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 - 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)	SM5310B/ Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1021-27 (580-106980-1)	10/26/21	11:05 Pacific		Water			X	1	
1021-26 (580-106980-2)	10/26/21	12:07 Pacific		Water			X	1	
1021-08 (580-106980-3)	10/26/21	13:15 Pacific		Water			X	1	
1021-07 (580-106980-4)	10/26/21	14:05 Pacific		Water			X	1	
1021-03 (580-106980-5)	10/26/21	15:20 Pacific		Water			X	1	
1021-06 (580-106980-6)	10/26/21	16:25 Pacific		Water			X	1	
1021-01 (580-106980-7)	10/26/21	17:10 Pacific		Water			X	1	
1021-19 (580-106980-8)	10/26/21	11:11 Pacific		Water			X	1	
1021-29 (580-106980-9)	10/26/21	11:35 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out 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 Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Frontier Global Sciences 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]	11/2/21 1410	EFGS	[signature]	11-4-21 9:31	
	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: 0.6°C IR8

Ver: 06/08/2021

11/10/2021

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-96493.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: Washington	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 580-106980-1
Address: 3355 McLemore Drive,	Due Date Requested: 11/9/2021			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Island County-CSWF-Q1 & Q3	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 - 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)	SM5310B/ Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1021-20 (580-106980-10)	10/26/21	12:25 Pacific		Water			X	1	
1021-17 (580-106980-11)	10/26/21	13:40 Pacific		Water			X	1	
1021-28 (580-106980-12)	10/26/21	14:00 Pacific		Water			X	1	
1021-18 (580-106980-13)	10/26/21	14:56 Pacific		Water			X	1	
1021-16 (580-106980-14)	10/26/21	16:38 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out 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 Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Frontier Global Sciences 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		11/02/21 1410	EFGS		11-4-21 9:31	
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: 0.6°C IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-106980-1

Login Number: 106980
List Number: 1
Creator: Greene, Ashton R

List Source: Eurofins FGS, 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: 580-106980-1

Login Number: 106980
List Number: 2
Creator: Johnson, Avery D

List Source: Eurofins TestAmerica, Pensacola
List Creation: 11/04/21 11:56 AM

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.	N/A	
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	0.6°C IR8
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.	N/A	
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").	N/A	
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

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-107005-1
Client Project/Site: Coupeville 2Q20

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

Attn: Mr. Dan Venchiarutti

Authorized for release by:
11/11/2021 10:47:47 AM

Nathan Lewis, Project Manager I
(253)922-2310
Nathan.Lewis@Eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 4
Client Sample Results 5
QC Sample Results 34
Chronicle 56
Certification Summary 63
Sample Summary 64
Chain of Custody 65
Receipt Checklists 70

Case Narrative

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Job ID: 580-107005-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative
580-107005-1

Comments
No additional comments.

Receipt
The samples were received on 10/28/2021 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.8º C, 3.6º C, 3.6º C and 5.3º C.

GC/MS VOA
Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 580-372199 recovered outside control limits for the following analyte(s): Trichlorofluoromethane and Acetone. Trichlorofluoromethane and Acetone has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260D: The CCVIS for analytical batch 580-372199 recovered outside control limits for the following analyte(s): Bromomethane, Trichlorofluoromethane and Acetone. Bromomethane, Trichlorofluoromethane and Acetone has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: 1021-05 (580-107005-10). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 580-372290 recovered above the upper control limit for 1,1-Dichloroethene, Bromomethane, Vinyl acetate, and Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 1021-22 (580-107005-12), 1021-21 (580-107005-13), Trip Blank (580-107005-14) and (CCVIS 580-372290/2).

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 580-372290 recovered outside control limits for the following analytes: Vinyl acetate and Acetone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the 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 analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
Method 350.1: The matrix spike duplicate (MSD) recovery for preparation batch 580-372451 and analytical batch 580-372605 was outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

Definitions/Glossary

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

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.

General Chemistry

Qualifier	Qualifier Description
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 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-12
Date Collected: 10/27/21 09:35
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-1
Matrix: Water

Method: 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			11/03/21 03:21	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 03:21	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 03:21	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 03:21	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 03:21	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 03:21	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 03:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 03:21	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 03:21	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 03:21	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 03:21	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 03:21	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 03:21	1
2-Butanone	ND		10		ug/L			11/03/21 03:21	1
2-Hexanone	ND		3.0		ug/L			11/03/21 03:21	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 03:21	1
Acetone	ND	*+	10		ug/L			11/03/21 03:21	1
Acrylonitrile	ND		10		ug/L			11/03/21 03:21	1
Benzene	ND		0.20		ug/L			11/03/21 03:21	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 03:21	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 03:21	1
Bromoform	ND		0.50		ug/L			11/03/21 03:21	1
Bromomethane	ND		0.50		ug/L			11/03/21 03:21	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 03:21	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 03:21	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 03:21	1
Chloroethane	ND		0.50		ug/L			11/03/21 03:21	1
Chloroform	ND		0.20		ug/L			11/03/21 03:21	1
Chloromethane	ND		0.50		ug/L			11/03/21 03:21	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 03:21	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 03:21	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 03:21	1
Dibromomethane	ND		0.20		ug/L			11/03/21 03:21	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 03:21	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 03:21	1
Methyl iodide	ND		0.50		ug/L			11/03/21 03:21	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 03:21	1
o-Xylene	ND		0.50		ug/L			11/03/21 03:21	1
Styrene	ND		1.0		ug/L			11/03/21 03:21	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 03:21	1
Toluene	ND		0.20		ug/L			11/03/21 03:21	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 03:21	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 03:21	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 03:21	1
Trichloroethene	ND		0.20		ug/L			11/03/21 03:21	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 03:21	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 03:21	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 03:21	1

Client Sample ID: 1021-12
Date Collected: 10/27/21 09:35
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/03/21 03:21*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*11/03/21 03:21*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*11/03/21 03:21*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/03/21 03:21*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**79**		0.50		mg/L		11/08/21 18:31	11/09/21 19:57	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 19:57	1
Magnesium	**57**		0.50		mg/L		11/08/21 18:31	11/09/21 19:57	1
Manganese	**0.14**		0.020		mg/L		11/08/21 18:31	11/09/21 19:57	1
Potassium	**7.4**		3.3		mg/L		11/08/21 18:31	11/09/21 19:57	1
Sodium	**37**		0.50		mg/L		11/08/21 18:31	11/09/21 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0071**		0.0010		mg/L		11/09/21 09:48	11/09/21 14:59	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 14:59	1
Barium	**0.038**		0.0012		mg/L		11/09/21 09:48	11/09/21 14:59	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:59	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:59	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 14:59	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:59	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 14:59	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:59	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 14:59	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 14:59	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:59	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 14:59	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 14:59	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 18:18	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/28/21 18:18	1
Chloride	**74**		1.5		mg/L			10/28/21 18:18	1
Sulfate	**32**		1.5		mg/L			10/28/21 18:18	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**2.6**		1.0		mg/L			11/07/21 09:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**330**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**330**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**610**		10		mg/L			11/03/21 19:48	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-13
Date Collected: 10/27/21 10:25
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-2
Matrix: Water

Method: 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			11/03/21 03:48	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 03:48	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 03:48	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 03:48	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 03:48	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 03:48	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 03:48	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 03:48	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 03:48	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 03:48	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 03:48	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 03:48	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 03:48	1
2-Butanone	ND		10		ug/L			11/03/21 03:48	1
2-Hexanone	ND		3.0		ug/L			11/03/21 03:48	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 03:48	1
Acetone	ND	*+	10		ug/L			11/03/21 03:48	1
Acrylonitrile	ND		10		ug/L			11/03/21 03:48	1
Benzene	ND		0.20		ug/L			11/03/21 03:48	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 03:48	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 03:48	1
Bromoform	ND		0.50		ug/L			11/03/21 03:48	1
Bromomethane	ND		0.50		ug/L			11/03/21 03:48	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 03:48	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 03:48	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 03:48	1
Chloroethane	ND		0.50		ug/L			11/03/21 03:48	1
Chloroform	ND		0.20		ug/L			11/03/21 03:48	1
Chloromethane	ND		0.50		ug/L			11/03/21 03:48	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 03:48	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 03:48	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 03:48	1
Dibromomethane	ND		0.20		ug/L			11/03/21 03:48	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 03:48	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 03:48	1
Methyl iodide	ND		0.50		ug/L			11/03/21 03:48	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 03:48	1
o-Xylene	ND		0.50		ug/L			11/03/21 03:48	1
Styrene	ND		1.0		ug/L			11/03/21 03:48	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 03:48	1
Toluene	ND		0.20		ug/L			11/03/21 03:48	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 03:48	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 03:48	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 03:48	1
Trichloroethene	ND		0.20		ug/L			11/03/21 03:48	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 03:48	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 03:48	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 03:48	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-13
Date Collected: 10/27/21 10:25
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/03/21 03:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/03/21 03:48*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/03/21 03:48*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/03/21 03:48*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**82**		0.50		mg/L		11/08/21 18:31	11/09/21 20:00	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:00	1
Magnesium	**55**		0.50		mg/L		11/08/21 18:31	11/09/21 20:00	1
Manganese	**0.19**		0.020		mg/L		11/08/21 18:31	11/09/21 20:00	1
Potassium	**6.5**		3.3		mg/L		11/08/21 18:31	11/09/21 20:00	1
Sodium	**35**		0.50		mg/L		11/08/21 18:31	11/09/21 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0055**		0.0010		mg/L		11/09/21 09:48	11/09/21 15:41	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 15:41	1
Barium	**0.031**		0.0012		mg/L		11/09/21 09:48	11/09/21 15:41	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:41	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:41	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 15:41	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:41	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 15:41	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:41	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 15:41	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 15:41	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:41	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 15:41	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 15:41	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 18:53	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/28/21 18:53	1
Chloride	**62**		1.5		mg/L			10/28/21 18:53	1
Sulfate	**30**		1.5		mg/L			10/28/21 18:53	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**2.4**		1.0		mg/L			11/07/21 09:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**340**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**340**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**490**		10		mg/L			11/03/21 19:48	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-25
Date Collected: 10/27/21 11:15
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-3
Matrix: Water

Method: 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			11/03/21 04:15	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 04:15	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 04:15	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 04:15	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 04:15	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 04:15	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 04:15	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 04:15	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 04:15	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 04:15	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 04:15	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 04:15	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 04:15	1
2-Butanone	ND		10		ug/L			11/03/21 04:15	1
2-Hexanone	ND		3.0		ug/L			11/03/21 04:15	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 04:15	1
Acetone	ND	*+	10		ug/L			11/03/21 04:15	1
Acrylonitrile	ND		10		ug/L			11/03/21 04:15	1
Benzene	ND		0.20		ug/L			11/03/21 04:15	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 04:15	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 04:15	1
Bromoform	ND		0.50		ug/L			11/03/21 04:15	1
Bromomethane	ND		0.50		ug/L			11/03/21 04:15	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 04:15	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 04:15	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 04:15	1
Chloroethane	ND		0.50		ug/L			11/03/21 04:15	1
Chloroform	ND		0.20		ug/L			11/03/21 04:15	1
Chloromethane	ND		0.50		ug/L			11/03/21 04:15	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 04:15	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 04:15	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 04:15	1
Dibromomethane	ND		0.20		ug/L			11/03/21 04:15	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 04:15	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 04:15	1
Methyl iodide	ND		0.50		ug/L			11/03/21 04:15	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 04:15	1
o-Xylene	ND		0.50		ug/L			11/03/21 04:15	1
Styrene	ND		1.0		ug/L			11/03/21 04:15	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 04:15	1
Toluene	ND		0.20		ug/L			11/03/21 04:15	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 04:15	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 04:15	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 04:15	1
Trichloroethene	ND		0.20		ug/L			11/03/21 04:15	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 04:15	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 04:15	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 04:15	1

Client Sample ID: 1021-25
Date Collected: 10/27/21 11:15
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*11/03/21 04:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/03/21 04:15*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*11/03/21 04:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/03/21 04:15*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**80**		0.50		mg/L		11/08/21 18:31	11/09/21 20:03	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:03	1
Magnesium	**47**		0.50		mg/L		11/08/21 18:31	11/09/21 20:03	1
Manganese	ND		0.020		mg/L		11/08/21 18:31	11/09/21 20:03	1
Potassium	**5.2**		3.3		mg/L		11/08/21 18:31	11/09/21 20:03	1
Sodium	**31**		0.50		mg/L		11/08/21 18:31	11/09/21 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0031**		0.0010		mg/L		11/09/21 09:48	11/09/21 15:45	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 15:45	1
Barium	**0.022**		0.0012		mg/L		11/09/21 09:48	11/09/21 15:45	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:45	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:45	1
Chromium	**0.0015**		0.00080		mg/L		11/09/21 09:48	11/09/21 15:45	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:45	1
Copper	**0.040**		0.0020		mg/L		11/09/21 09:48	11/09/21 15:45	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:45	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 15:45	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 15:45	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:45	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 15:45	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 15:45	1
Zinc	**0.046**		0.0070		mg/L		11/09/21 09:48	11/09/21 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 19:05	1
Nitrate Nitrite as N	**1.7**		0.40		mg/L			10/28/21 19:05	1
Chloride	**55**		1.5		mg/L			10/28/21 19:05	1
Sulfate	**47**		1.5		mg/L			10/28/21 19:05	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**2.1**		1.0		mg/L			11/07/21 09:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**310**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**310**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**440**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-15
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-4
Matrix: Water

Method: 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			11/03/21 04:42	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 04:42	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 04:42	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 04:42	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 04:42	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 04:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 04:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 04:42	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 04:42	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 04:42	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 04:42	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 04:42	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 04:42	1
2-Butanone	ND		10		ug/L			11/03/21 04:42	1
2-Hexanone	ND		3.0		ug/L			11/03/21 04:42	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 04:42	1
Acetone	ND	*+	10		ug/L			11/03/21 04:42	1
Acrylonitrile	ND		10		ug/L			11/03/21 04:42	1
Benzene	ND		0.20		ug/L			11/03/21 04:42	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 04:42	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 04:42	1
Bromoform	ND		0.50		ug/L			11/03/21 04:42	1
Bromomethane	ND		0.50		ug/L			11/03/21 04:42	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 04:42	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 04:42	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 04:42	1
Chloroethane	ND		0.50		ug/L			11/03/21 04:42	1
Chloroform	ND		0.20		ug/L			11/03/21 04:42	1
Chloromethane	ND		0.50		ug/L			11/03/21 04:42	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 04:42	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 04:42	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 04:42	1
Dibromomethane	ND		0.20		ug/L			11/03/21 04:42	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 04:42	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 04:42	1
Methyl iodide	ND		0.50		ug/L			11/03/21 04:42	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 04:42	1
o-Xylene	ND		0.50		ug/L			11/03/21 04:42	1
Styrene	ND		1.0		ug/L			11/03/21 04:42	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 04:42	1
Toluene	ND		0.20		ug/L			11/03/21 04:42	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 04:42	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 04:42	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 04:42	1
Trichloroethene	ND		0.20		ug/L			11/03/21 04:42	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 04:42	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 04:42	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 04:42	1

Client Sample ID: 1021-15
Date Collected: 10/27/21 12:00
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*11/03/21 04:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/03/21 04:42*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/03/21 04:42*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/03/21 04:42*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**84**		0.50		mg/L		11/08/21 18:31	11/09/21 20:07	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:07	1
Magnesium	**48**		0.50		mg/L		11/08/21 18:31	11/09/21 20:07	1
Manganese	ND		0.020		mg/L		11/08/21 18:31	11/09/21 20:07	1
Potassium	**5.6**		3.3		mg/L		11/08/21 18:31	11/09/21 20:07	1
Sodium	**30**		0.50		mg/L		11/08/21 18:31	11/09/21 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0037**		0.0010		mg/L		11/09/21 09:48	11/09/21 15:49	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 15:49	1
Barium	**0.019**		0.0012		mg/L		11/09/21 09:48	11/09/21 15:49	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:49	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:49	1
Chromium	**0.0026**		0.00080		mg/L		11/09/21 09:48	11/09/21 15:49	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:49	1
Copper	**0.0026**		0.0020		mg/L		11/09/21 09:48	11/09/21 15:49	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:49	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 15:49	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 15:49	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:49	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 15:49	1
Vanadium	**0.0064**		0.0040		mg/L		11/09/21 09:48	11/09/21 15:49	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 19:17	1
Nitrate Nitrite as N	**0.43**		0.40		mg/L			10/28/21 19:17	1
Chloride	**66**		1.5		mg/L			10/28/21 19:17	1
Sulfate	**59**		1.5		mg/L			10/28/21 19:17	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**2.3**		1.0		mg/L			11/07/21 10:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**290**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**290**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**480**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-11
Date Collected: 10/27/21 13:25
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-5
Matrix: Water

Method: 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			11/03/21 05:08	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 05:08	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 05:08	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 05:08	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 05:08	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 05:08	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 05:08	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 05:08	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 05:08	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 05:08	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 05:08	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 05:08	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 05:08	1
2-Butanone	ND		10		ug/L			11/03/21 05:08	1
2-Hexanone	ND		3.0		ug/L			11/03/21 05:08	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 05:08	1
Acetone	ND	*+	10		ug/L			11/03/21 05:08	1
Acrylonitrile	ND		10		ug/L			11/03/21 05:08	1
Benzene	ND		0.20		ug/L			11/03/21 05:08	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 05:08	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 05:08	1
Bromoform	ND		0.50		ug/L			11/03/21 05:08	1
Bromomethane	ND		0.50		ug/L			11/03/21 05:08	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 05:08	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 05:08	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 05:08	1
Chloroethane	ND		0.50		ug/L			11/03/21 05:08	1
Chloroform	ND		0.20		ug/L			11/03/21 05:08	1
Chloromethane	ND		0.50		ug/L			11/03/21 05:08	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 05:08	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 05:08	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 05:08	1
Dibromomethane	ND		0.20		ug/L			11/03/21 05:08	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 05:08	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 05:08	1
Methyl iodide	ND		0.50		ug/L			11/03/21 05:08	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 05:08	1
o-Xylene	ND		0.50		ug/L			11/03/21 05:08	1
Styrene	ND		1.0		ug/L			11/03/21 05:08	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 05:08	1
Toluene	ND		0.20		ug/L			11/03/21 05:08	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 05:08	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 05:08	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 05:08	1
Trichloroethene	ND		0.20		ug/L			11/03/21 05:08	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 05:08	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 05:08	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 05:08	1

Client Sample ID: 1021-11
Date Collected: 10/27/21 13:25
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/03/21 05:08*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*11/03/21 05:08*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/03/21 05:08*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/03/21 05:08*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50		mg/L		11/08/21 18:31	11/09/21 20:10	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:10	1
Magnesium	**91**		0.50		mg/L		11/08/21 18:31	11/09/21 20:10	1
Manganese	**0.15**		0.020		mg/L		11/08/21 18:31	11/09/21 20:10	1
Potassium	**9.6**		3.3		mg/L		11/08/21 18:31	11/09/21 20:10	1
Sodium	**45**		0.50		mg/L		11/08/21 18:31	11/09/21 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0030**		0.0010		mg/L		11/09/21 09:48	11/09/21 15:53	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 15:53	1
Barium	**0.076**		0.0012		mg/L		11/09/21 09:48	11/09/21 15:53	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:53	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:53	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 15:53	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:53	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 15:53	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:53	1
Nickel	**0.0072**		0.0030		mg/L		11/09/21 09:48	11/09/21 15:53	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 15:53	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:53	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 15:53	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 15:53	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 19:28	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/28/21 19:28	1
Chloride	**94**	**F1**	1.5		mg/L			10/28/21 19:28	1
Sulfate	**82**	**F1**	1.5		mg/L			10/28/21 19:28	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**2.6**		1.0		mg/L			11/07/21 10:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**490**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**490**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**310**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-09
Date Collected: 10/27/21 14:43
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-6
Matrix: Water

Method: 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			11/03/21 05:35	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 05:35	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 05:35	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 05:35	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 05:35	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 05:35	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 05:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 05:35	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 05:35	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 05:35	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 05:35	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 05:35	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 05:35	1
2-Butanone	ND		10		ug/L			11/03/21 05:35	1
2-Hexanone	ND		3.0		ug/L			11/03/21 05:35	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 05:35	1
Acetone	ND	*+	10		ug/L			11/03/21 05:35	1
Acrylonitrile	ND		10		ug/L			11/03/21 05:35	1
Benzene	ND		0.20		ug/L			11/03/21 05:35	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 05:35	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 05:35	1
Bromoform	ND		0.50		ug/L			11/03/21 05:35	1
Bromomethane	ND		0.50		ug/L			11/03/21 05:35	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 05:35	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 05:35	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 05:35	1
Chloroethane	ND		0.50		ug/L			11/03/21 05:35	1
Chloroform	ND		0.20		ug/L			11/03/21 05:35	1
Chloromethane	ND		0.50		ug/L			11/03/21 05:35	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 05:35	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 05:35	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 05:35	1
Dibromomethane	ND		0.20		ug/L			11/03/21 05:35	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 05:35	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 05:35	1
Methyl iodide	ND		0.50		ug/L			11/03/21 05:35	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 05:35	1
o-Xylene	ND		0.50		ug/L			11/03/21 05:35	1
Styrene	ND		1.0		ug/L			11/03/21 05:35	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 05:35	1
Toluene	ND		0.20		ug/L			11/03/21 05:35	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 05:35	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 05:35	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 05:35	1
Trichloroethene	ND		0.20		ug/L			11/03/21 05:35	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 05:35	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 05:35	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 05:35	1

Client Sample ID: 1021-09
Date Collected: 10/27/21 14:43
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*11/03/21 05:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/03/21 05:35*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*11/03/21 05:35*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/03/21 05:35*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50		mg/L		11/08/21 18:31	11/09/21 20:13	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:13	1
Magnesium	**39**		0.50		mg/L		11/08/21 18:31	11/09/21 20:13	1
Manganese	ND		0.020		mg/L		11/08/21 18:31	11/09/21 20:13	1
Potassium	**5.7**		3.3		mg/L		11/08/21 18:31	11/09/21 20:13	1
Sodium	**19**		0.50		mg/L		11/08/21 18:31	11/09/21 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0022**		0.0010		mg/L		11/09/21 09:48	11/09/21 15:57	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 15:57	1
Barium	**0.030**		0.0012		mg/L		11/09/21 09:48	11/09/21 15:57	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:57	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:57	1
Chromium	**0.0041**		0.00080		mg/L		11/09/21 09:48	11/09/21 15:57	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:57	1
Copper	**0.0021**		0.0020		mg/L		11/09/21 09:48	11/09/21 15:57	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:57	1
Nickel	**0.0043**		0.0030		mg/L		11/09/21 09:48	11/09/21 15:57	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 15:57	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 15:57	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 15:57	1
Vanadium	**0.0047**		0.0040		mg/L		11/09/21 09:48	11/09/21 15:57	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 15:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 20:27	1
Nitrate Nitrite as N	**7.9**		0.40		mg/L			10/28/21 20:27	1
Chloride	**23**		1.5		mg/L			10/28/21 20:27	1
Sulfate	**96**		1.5		mg/L			10/28/21 20:27	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**1.5**		1.0		mg/L			11/07/21 10:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**310**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**310**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**680**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-10
Date Collected: 10/27/21 15:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-7
Matrix: Water

Method: 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			11/03/21 06:02	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 06:02	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 06:02	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 06:02	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 06:02	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 06:02	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 06:02	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 06:02	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 06:02	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 06:02	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 06:02	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 06:02	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 06:02	1
2-Butanone	ND		10		ug/L			11/03/21 06:02	1
2-Hexanone	ND		3.0		ug/L			11/03/21 06:02	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 06:02	1
Acetone	ND	*+	10		ug/L			11/03/21 06:02	1
Acrylonitrile	ND		10		ug/L			11/03/21 06:02	1
Benzene	ND		0.20		ug/L			11/03/21 06:02	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 06:02	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 06:02	1
Bromoform	ND		0.50		ug/L			11/03/21 06:02	1
Bromomethane	ND		0.50		ug/L			11/03/21 06:02	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 06:02	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 06:02	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 06:02	1
Chloroethane	ND		0.50		ug/L			11/03/21 06:02	1
Chloroform	ND		0.20		ug/L			11/03/21 06:02	1
Chloromethane	ND		0.50		ug/L			11/03/21 06:02	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 06:02	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 06:02	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 06:02	1
Dibromomethane	ND		0.20		ug/L			11/03/21 06:02	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 06:02	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 06:02	1
Methyl iodide	ND		0.50		ug/L			11/03/21 06:02	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 06:02	1
o-Xylene	ND		0.50		ug/L			11/03/21 06:02	1
Styrene	ND		1.0		ug/L			11/03/21 06:02	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 06:02	1
Toluene	ND		0.20		ug/L			11/03/21 06:02	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 06:02	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 06:02	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 06:02	1
Trichloroethene	ND		0.20		ug/L			11/03/21 06:02	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 06:02	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 06:02	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 06:02	1

Client Sample ID: 1021-10

Date Collected: 10/27/21 15:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*11/03/21 06:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*11/03/21 06:02*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/03/21 06:02*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/03/21 06:02*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**60**		0.50		mg/L		11/08/21 18:31	11/09/21 20:17	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:17	1
Magnesium	**36**		0.50		mg/L		11/08/21 18:31	11/09/21 20:17	1
Manganese	ND		0.020		mg/L		11/08/21 18:31	11/09/21 20:17	1
Potassium	**5.8**		3.3		mg/L		11/08/21 18:31	11/09/21 20:17	1
Sodium	**26**		0.50		mg/L		11/08/21 18:31	11/09/21 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0073**		0.0010		mg/L		11/09/21 09:48	11/09/21 16:01	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:01	1
Barium	**0.017**		0.0012		mg/L		11/09/21 09:48	11/09/21 16:01	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:01	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:01	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:01	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:01	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 16:01	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:01	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 16:01	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 16:01	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:01	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 16:01	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 16:01	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 20:39	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/28/21 20:39	1
Chloride	**36**		1.5		mg/L			10/28/21 20:39	1
Sulfate	**38**		1.5		mg/L			10/28/21 20:39	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	ND		1.0		mg/L			11/07/21 12:16	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**260**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**260**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**410**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		11/05/21 15:29	11/05/21 20:24	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-14
Date Collected: 10/27/21 09:06
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-8
Matrix: Water

Method: 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			11/03/21 06:29	1
1,1,1-Trichloroethane	**0.33**		0.20		ug/L			11/03/21 06:29	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 06:29	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 06:29	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 06:29	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 06:29	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 06:29	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 06:29	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 06:29	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 06:29	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 06:29	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 06:29	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 06:29	1
2-Butanone	ND		10		ug/L			11/03/21 06:29	1
2-Hexanone	ND		3.0		ug/L			11/03/21 06:29	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 06:29	1
Acetone	ND	*+	10		ug/L			11/03/21 06:29	1
Acrylonitrile	ND		10		ug/L			11/03/21 06:29	1
Benzene	ND		0.20		ug/L			11/03/21 06:29	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 06:29	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 06:29	1
Bromoform	ND		0.50		ug/L			11/03/21 06:29	1
Bromomethane	ND		0.50		ug/L			11/03/21 06:29	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 06:29	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 06:29	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 06:29	1
Chloroethane	ND		0.50		ug/L			11/03/21 06:29	1
Chloroform	ND		0.20		ug/L			11/03/21 06:29	1
Chloromethane	ND		0.50		ug/L			11/03/21 06:29	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 06:29	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 06:29	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 06:29	1
Dibromomethane	ND		0.20		ug/L			11/03/21 06:29	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 06:29	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 06:29	1
Methyl iodide	ND		0.50		ug/L			11/03/21 06:29	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 06:29	1
o-Xylene	ND		0.50		ug/L			11/03/21 06:29	1
Styrene	ND		1.0		ug/L			11/03/21 06:29	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 06:29	1
Toluene	ND		0.20		ug/L			11/03/21 06:29	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 06:29	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 06:29	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 06:29	1
Trichloroethene	ND		0.20		ug/L			11/03/21 06:29	1
Trichlorofluoromethane	**6.5**	*+	0.50		ug/L			11/03/21 06:29	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 06:29	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 06:29	1

Client Sample ID: 1021-14
Date Collected: 10/27/21 09:06
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*11/03/21 06:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/03/21 06:29*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*11/03/21 06:29*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/03/21 06:29*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50		mg/L		11/08/21 18:31	11/09/21 20:27	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:27	1
Magnesium	**70**		0.50		mg/L		11/08/21 18:31	11/09/21 20:27	1
Manganese	ND		0.020		mg/L		11/08/21 18:31	11/09/21 20:27	1
Potassium	**6.1**		3.3		mg/L		11/08/21 18:31	11/09/21 20:27	1
Sodium	**27**		0.50		mg/L		11/08/21 18:31	11/09/21 20:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0020**		0.0010		mg/L		11/09/21 09:48	11/09/21 16:04	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:04	1
Barium	**0.027**		0.0012		mg/L		11/09/21 09:48	11/09/21 16:04	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:04	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:04	1
Chromium	**0.0098**		0.00080		mg/L		11/09/21 09:48	11/09/21 16:04	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:04	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 16:04	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:04	1
Nickel	**0.0036**		0.0030		mg/L		11/09/21 09:48	11/09/21 16:04	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 16:04	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:04	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 16:04	1
Vanadium	**0.0042**		0.0040		mg/L		11/09/21 09:48	11/09/21 16:04	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 18:30	1
Nitrate Nitrite as N	**25**		2.0		mg/L			10/28/21 18:42	5
Chloride	**55**		1.5		mg/L			10/28/21 18:30	1
Sulfate	**78**		1.5		mg/L			10/28/21 18:30	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**1.8**		1.0		mg/L			11/07/21 13:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**340**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**340**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**680**		10		mg/L			11/02/21 12:45	1
Chemical Oxygen Demand	ND		10		mg/L		11/05/21 15:29	11/05/21 20:24	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-02
Date Collected: 10/27/21 10:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-9
Matrix: Water

Method: 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			11/03/21 06:56	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 06:56	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 06:56	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 06:56	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 06:56	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 06:56	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 06:56	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 06:56	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 06:56	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 06:56	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 06:56	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 06:56	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 06:56	1
2-Butanone	ND		10		ug/L			11/03/21 06:56	1
2-Hexanone	ND		3.0		ug/L			11/03/21 06:56	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 06:56	1
Acetone	ND	*+	10		ug/L			11/03/21 06:56	1
Acrylonitrile	ND		10		ug/L			11/03/21 06:56	1
Benzene	ND		0.20		ug/L			11/03/21 06:56	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 06:56	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 06:56	1
Bromoform	ND		0.50		ug/L			11/03/21 06:56	1
Bromomethane	ND		0.50		ug/L			11/03/21 06:56	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 06:56	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 06:56	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 06:56	1
Chloroethane	ND		0.50		ug/L			11/03/21 06:56	1
Chloroform	ND		0.20		ug/L			11/03/21 06:56	1
Chloromethane	ND		0.50		ug/L			11/03/21 06:56	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 06:56	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 06:56	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 06:56	1
Dibromomethane	ND		0.20		ug/L			11/03/21 06:56	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 06:56	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 06:56	1
Methyl iodide	ND		0.50		ug/L			11/03/21 06:56	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 06:56	1
o-Xylene	ND		0.50		ug/L			11/03/21 06:56	1
Styrene	ND		1.0		ug/L			11/03/21 06:56	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 06:56	1
Toluene	ND		0.20		ug/L			11/03/21 06:56	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 06:56	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 06:56	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 06:56	1
Trichloroethene	ND		0.20		ug/L			11/03/21 06:56	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 06:56	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 06:56	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 06:56	1

Client Sample ID: 1021-02
Date Collected: 10/27/21 10:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-9
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*11/03/21 06:56*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/03/21 06:56*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/03/21 06:56*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/03/21 06:56*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**71**		0.50		mg/L		11/08/21 18:31	11/09/21 20:30	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:30	1
Magnesium	**45**		0.50		mg/L		11/08/21 18:31	11/09/21 20:30	1
Manganese	**0.27**		0.020		mg/L		11/08/21 18:31	11/09/21 20:30	1
Potassium	**6.5**		3.3		mg/L		11/08/21 18:31	11/09/21 20:30	1
Sodium	**26**		0.50		mg/L		11/08/21 18:31	11/09/21 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0060**		0.0010		mg/L		11/09/21 09:48	11/09/21 16:08	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:08	1
Barium	**0.028**		0.0012		mg/L		11/09/21 09:48	11/09/21 16:08	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:08	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:08	1
Chromium	**0.0015**		0.00080		mg/L		11/09/21 09:48	11/09/21 16:08	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:08	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 16:08	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:08	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 16:08	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 16:08	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:08	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 16:08	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 16:08	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 16:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 20:50	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/28/21 20:50	1
Chloride	**35**		1.5		mg/L			10/28/21 20:50	1
Sulfate	**15**		1.5		mg/L			10/28/21 20:50	1
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1
Total Organic Carbon	**1.4**		1.0		mg/L			11/07/21 13:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**320**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**320**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**390**		10		mg/L			11/03/21 19:48	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-05

Date Collected: 10/27/21 11:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-10

Matrix: Water

Method: 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			11/03/21 07:23	1
1,1,1-Trichloroethane	**0.58**		0.20		ug/L			11/03/21 07:23	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 07:23	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 07:23	1
1,1-Dichloroethane	**3.2**		0.20		ug/L			11/03/21 07:23	1
1,1-Dichloroethene	**0.20**		0.20		ug/L			11/03/21 07:23	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 07:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 07:23	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 07:23	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 07:23	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 07:23	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 07:23	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 07:23	1
2-Butanone	ND		10		ug/L			11/03/21 07:23	1
2-Hexanone	ND		3.0		ug/L			11/03/21 07:23	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 07:23	1
Acetone	ND	*+	10		ug/L			11/03/21 07:23	1
Acrylonitrile	ND		10		ug/L			11/03/21 07:23	1
Benzene	ND		0.20		ug/L			11/03/21 07:23	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 07:23	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 07:23	1
Bromoform	ND		0.50		ug/L			11/03/21 07:23	1
Bromomethane	ND		0.50		ug/L			11/03/21 07:23	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 07:23	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 07:23	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 07:23	1
Chloroethane	ND		0.50		ug/L			11/03/21 07:23	1
Chloroform	ND		0.20		ug/L			11/03/21 07:23	1
Chloromethane	ND		0.50		ug/L			11/03/21 07:23	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 07:23	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 07:23	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 07:23	1
Dibromomethane	ND		0.20		ug/L			11/03/21 07:23	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 07:23	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 07:23	1
Methyl iodide	ND		0.50		ug/L			11/03/21 07:23	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 07:23	1
o-Xylene	ND		0.50		ug/L			11/03/21 07:23	1
Styrene	ND		1.0		ug/L			11/03/21 07:23	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 07:23	1
Toluene	ND		0.20		ug/L			11/03/21 07:23	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 07:23	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 07:23	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 07:23	1
Trichloroethene	ND		0.20		ug/L			11/03/21 07:23	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 07:23	1
Vinyl chloride	**3.1**		0.020		ug/L			11/03/21 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*11/03/21 07:23*	*1*

Client Sample ID: 1021-05
Date Collected: 10/27/21 11:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-10
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*11/03/21 07:23*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*11/03/21 07:23*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/03/21 07:23*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**120**		5.0		ug/L			11/04/21 01:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/04/21 01:37*	*10*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*11/04/21 01:37*	*10*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/04/21 01:37*	*10*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/04/21 01:37*	*10*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**270**		0.50		mg/L		11/08/21 18:31	11/09/21 20:33	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:33	1
Magnesium	**110**		0.50		mg/L		11/08/21 18:31	11/09/21 20:33	1
Manganese	**0.76**		0.020		mg/L		11/08/21 18:31	11/09/21 20:33	1
Potassium	**9.6**		3.3		mg/L		11/08/21 18:31	11/09/21 20:33	1
Sodium	**38**		0.50		mg/L		11/08/21 18:31	11/09/21 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0019**		0.0010		mg/L		11/09/21 09:48	11/09/21 16:12	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:12	1
Barium	**0.057**		0.0012		mg/L		11/09/21 09:48	11/09/21 16:12	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:12	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:12	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:12	1
Cobalt	**0.0024**		0.00040		mg/L		11/09/21 09:48	11/09/21 16:12	1
Copper	**0.0029**		0.0020		mg/L		11/09/21 09:48	11/09/21 16:12	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:12	1
Nickel	**0.026**		0.0030		mg/L		11/09/21 09:48	11/09/21 16:12	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 16:12	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:12	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 16:12	1
Vanadium	**0.0098**		0.0040		mg/L		11/09/21 09:48	11/09/21 16:12	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 16:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 21:02	1
Nitrate Nitrite as N	**0.72**		0.40		mg/L			10/28/21 21:02	1
Chloride	**54**		1.5		mg/L			10/28/21 21:02	1
Sulfate	**270**		15		mg/L			10/29/21 12:04	10
Ammonia	ND		0.50		mg/L		11/06/21 19:00	11/06/21 22:32	1
Total Organic Carbon	**20**		1.0		mg/L			11/07/21 13:37	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-05
Date Collected: 10/27/21 11:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-10
Matrix: Water

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**710**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**710**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**1400**		20		mg/L			11/03/21 19:48	1
Chemical Oxygen Demand	**51**		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-04
Date Collected: 10/27/21 13:07
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-11
Matrix: Water

Method: 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			11/03/21 07:49	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 07:49	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 07:49	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 07:49	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 07:49	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 07:49	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 07:49	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 07:49	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 07:49	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 07:49	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 07:49	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 07:49	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 07:49	1
2-Butanone	ND		10		ug/L			11/03/21 07:49	1
2-Hexanone	ND		3.0		ug/L			11/03/21 07:49	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 07:49	1
Acetone	ND	*+	10		ug/L			11/03/21 07:49	1
Acrylonitrile	ND		10		ug/L			11/03/21 07:49	1
Benzene	ND		0.20		ug/L			11/03/21 07:49	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 07:49	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 07:49	1
Bromoform	ND		0.50		ug/L			11/03/21 07:49	1
Bromomethane	ND		0.50		ug/L			11/03/21 07:49	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 07:49	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 07:49	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 07:49	1
Chloroethane	ND		0.50		ug/L			11/03/21 07:49	1
Chloroform	ND		0.20		ug/L			11/03/21 07:49	1
Chloromethane	ND		0.50		ug/L			11/03/21 07:49	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 07:49	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 07:49	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 07:49	1
Dibromomethane	ND		0.20		ug/L			11/03/21 07:49	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 07:49	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 07:49	1
Methyl iodide	ND		0.50		ug/L			11/03/21 07:49	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 07:49	1
o-Xylene	ND		0.50		ug/L			11/03/21 07:49	1
Styrene	ND		1.0		ug/L			11/03/21 07:49	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 07:49	1
Toluene	ND		0.20		ug/L			11/03/21 07:49	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 07:49	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 07:49	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 07:49	1
Trichloroethene	ND		0.20		ug/L			11/03/21 07:49	1
Trichlorofluoromethane	ND	*+	0.50		ug/L			11/03/21 07:49	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 07:49	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 07:49	1

Client Sample ID: 1021-04
Date Collected: 10/27/21 13:07
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-11
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*11/03/21 07:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/03/21 07:49*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*11/03/21 07:49*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/03/21 07:49*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**66**		0.50		mg/L		11/08/21 18:31	11/09/21 20:37	1
Iron	**1.7**		0.30		mg/L		11/08/21 18:31	11/09/21 20:37	1
Magnesium	**34**		0.50		mg/L		11/08/21 18:31	11/09/21 20:37	1
Manganese	**0.51**		0.020		mg/L		11/08/21 18:31	11/09/21 20:37	1
Potassium	**5.6**		3.3		mg/L		11/08/21 18:31	11/09/21 20:37	1
Sodium	**33**		0.50		mg/L		11/08/21 18:31	11/09/21 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0015**		0.0010		mg/L		11/09/21 09:48	11/09/21 14:55	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 14:55	1
Barium	**0.074**		0.0012		mg/L		11/09/21 09:48	11/09/21 14:55	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:55	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:55	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 14:55	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:55	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 14:55	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:55	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 14:55	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 14:55	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:55	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 14:55	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 14:55	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 21:14	1
Nitrate Nitrite as N	ND		0.40		mg/L			10/28/21 21:14	1
Chloride	**18**		1.5		mg/L			10/28/21 21:14	1
Sulfate	**29**		1.5		mg/L			10/28/21 21:14	1
Ammonia	ND		0.50		mg/L		11/06/21 19:00	11/06/21 22:32	1
Total Organic Carbon	**1.8**		1.0		mg/L			11/07/21 13:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**300**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**300**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**460**		10		mg/L			11/03/21 19:48	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-22
Date Collected: 10/27/21 14:15
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-12
Matrix: Water

Method: 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			11/03/21 17:10	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 17:10	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 17:10	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 17:10	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 17:10	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 17:10	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 17:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 17:10	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 17:10	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 17:10	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 17:10	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 17:10	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 17:10	1
2-Butanone	ND		10		ug/L			11/03/21 17:10	1
2-Hexanone	ND		3.0		ug/L			11/03/21 17:10	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 17:10	1
Acetone	ND	*+	10		ug/L			11/03/21 17:10	1
Acrylonitrile	ND		10		ug/L			11/03/21 17:10	1
Benzene	ND		0.20		ug/L			11/03/21 17:10	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 17:10	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 17:10	1
Bromoform	ND		0.50		ug/L			11/03/21 17:10	1
Bromomethane	ND		0.50		ug/L			11/03/21 17:10	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 17:10	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 17:10	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 17:10	1
Chloroethane	ND		0.50		ug/L			11/03/21 17:10	1
Chloroform	ND		0.20		ug/L			11/03/21 17:10	1
Chloromethane	ND		0.50		ug/L			11/03/21 17:10	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 17:10	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 17:10	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 17:10	1
Dibromomethane	ND		0.20		ug/L			11/03/21 17:10	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 17:10	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 17:10	1
Methyl iodide	ND		0.50		ug/L			11/03/21 17:10	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 17:10	1
o-Xylene	ND		0.50		ug/L			11/03/21 17:10	1
Styrene	ND		1.0		ug/L			11/03/21 17:10	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 17:10	1
Toluene	ND		0.20		ug/L			11/03/21 17:10	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 17:10	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 17:10	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 17:10	1
Trichloroethene	ND		0.20		ug/L			11/03/21 17:10	1
Trichlorofluoromethane	**3.9**		0.50		ug/L			11/03/21 17:10	1
Vinyl acetate	ND	*+	2.0		ug/L			11/03/21 17:10	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 17:10	1

Client Sample ID: 1021-22
Date Collected: 10/27/21 14:15
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-12
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*11/03/21 17:10*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/03/21 17:10*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*11/03/21 17:10*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/03/21 17:10*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		0.50		mg/L		11/08/21 18:31	11/09/21 20:40	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:40	1
Magnesium	**66**		0.50		mg/L		11/08/21 18:31	11/09/21 20:40	1
Manganese	**0.49**		0.020		mg/L		11/08/21 18:31	11/09/21 20:40	1
Potassium	**7.0**		3.3		mg/L		11/08/21 18:31	11/09/21 20:40	1
Sodium	**30**		0.50		mg/L		11/08/21 18:31	11/09/21 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0013**		0.0010		mg/L		11/09/21 09:48	11/09/21 16:35	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:35	1
Barium	**0.051**		0.0012		mg/L		11/09/21 09:48	11/09/21 16:35	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:35	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:35	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:35	1
Cobalt	**0.00090**		0.00040		mg/L		11/09/21 09:48	11/09/21 16:35	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 16:35	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:35	1
Nickel	**0.0047**		0.0030		mg/L		11/09/21 09:48	11/09/21 16:35	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 16:35	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:35	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 16:35	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 16:35	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 21:25	1
Nitrate Nitrite as N	**6.3**		0.40		mg/L			10/28/21 21:25	1
Chloride	**21**		1.5		mg/L			10/28/21 21:25	1
Sulfate	**70**		1.5		mg/L			10/28/21 21:25	1
Ammonia	ND		0.50		mg/L		11/06/21 19:00	11/06/21 22:32	1
Total Organic Carbon	**1.5**		1.0		mg/L			11/07/21 14:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**530**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**530**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**890**		10		mg/L			11/03/21 19:48	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-21
Date Collected: 10/27/21 14:52
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-13
Matrix: Water

Method: 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			11/03/21 17:36	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 17:36	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 17:36	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 17:36	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 17:36	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 17:36	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 17:36	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 17:36	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 17:36	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 17:36	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 17:36	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 17:36	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 17:36	1
2-Butanone	ND		10		ug/L			11/03/21 17:36	1
2-Hexanone	ND		3.0		ug/L			11/03/21 17:36	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 17:36	1
Acetone	ND	*+	10		ug/L			11/03/21 17:36	1
Acrylonitrile	ND		10		ug/L			11/03/21 17:36	1
Benzene	ND		0.20		ug/L			11/03/21 17:36	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 17:36	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 17:36	1
Bromoform	ND		0.50		ug/L			11/03/21 17:36	1
Bromomethane	ND		0.50		ug/L			11/03/21 17:36	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 17:36	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 17:36	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 17:36	1
Chloroethane	ND		0.50		ug/L			11/03/21 17:36	1
Chloroform	ND		0.20		ug/L			11/03/21 17:36	1
Chloromethane	ND		0.50		ug/L			11/03/21 17:36	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 17:36	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 17:36	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 17:36	1
Dibromomethane	ND		0.20		ug/L			11/03/21 17:36	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 17:36	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 17:36	1
Methyl iodide	ND		0.50		ug/L			11/03/21 17:36	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 17:36	1
o-Xylene	ND		0.50		ug/L			11/03/21 17:36	1
Styrene	ND		1.0		ug/L			11/03/21 17:36	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 17:36	1
Toluene	ND		0.20		ug/L			11/03/21 17:36	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 17:36	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 17:36	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 17:36	1
Trichloroethene	ND		0.20		ug/L			11/03/21 17:36	1
Trichlorofluoromethane	**4.8**		0.50		ug/L			11/03/21 17:36	1
Vinyl acetate	ND	*+	2.0		ug/L			11/03/21 17:36	1
Vinyl chloride	**30**		0.020		ug/L			11/03/21 17:36	1

Client Sample ID: 1021-21

Date Collected: 10/27/21 14:52
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-13

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*11/03/21 17:36*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*11/03/21 17:36*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*11/03/21 17:36*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/03/21 17:36*	*1*

Method: 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**170**		0.50		mg/L		11/08/21 18:31	11/09/21 20:43	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 20:43	1
Magnesium	**85**		0.50		mg/L		11/08/21 18:31	11/09/21 20:43	1
Manganese	**0.058**		0.020		mg/L		11/08/21 18:31	11/09/21 20:43	1
Potassium	**8.2**		3.3		mg/L		11/08/21 18:31	11/09/21 20:43	1
Sodium	**34**		0.50		mg/L		11/08/21 18:31	11/09/21 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0017**		0.0010		mg/L		11/09/21 09:48	11/09/21 16:39	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:39	1
Barium	**0.035**		0.0012		mg/L		11/09/21 09:48	11/09/21 16:39	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:39	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:39	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 16:39	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:39	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 16:39	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:39	1
Nickel	**0.0065**		0.0030		mg/L		11/09/21 09:48	11/09/21 16:39	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 16:39	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 16:39	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 16:39	1
Vanadium	**0.0055**		0.0040		mg/L		11/09/21 09:48	11/09/21 16:39	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20		mg/L			10/28/21 21:37	1
Nitrate Nitrite as N	**9.4**		0.40		mg/L			10/28/21 21:37	1
Chloride	**37**		1.5		mg/L			10/28/21 21:37	1
Sulfate	**82**		1.5		mg/L			10/28/21 21:37	1
Ammonia	ND		0.50		mg/L		11/06/21 19:00	11/06/21 22:32	1
Total Organic Carbon	**2.0**		1.0		mg/L			11/07/21 14:56	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**580**		7.0		mg/L			11/04/21 19:11	1
Bicarbonate Alkalinity as CaCO3	**580**		7.0		mg/L			11/04/21 19:11	1
Carbonate Alkalinity as CaCO3	ND		7.0		mg/L			11/04/21 19:11	1
Hydroxide Alkalinity as CaCO3	ND		5.0		mg/L			11/04/21 19:11	1
Total Dissolved Solids	**810**		10		mg/L			11/03/21 19:48	1
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:02	11/03/21 20:59	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: Trip Blank

Date Collected: 10/27/21 00:01
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-14

Matrix: Water

Method: 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			11/03/21 18:03	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 18:03	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 18:03	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 18:03	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 18:03	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 18:03	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 18:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 18:03	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 18:03	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 18:03	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 18:03	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 18:03	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 18:03	1
2-Butanone	ND		10		ug/L			11/03/21 18:03	1
2-Hexanone	ND		3.0		ug/L			11/03/21 18:03	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 18:03	1
Acetone	ND	*+	10		ug/L			11/03/21 18:03	1
Acrylonitrile	ND		10		ug/L			11/03/21 18:03	1
Benzene	ND		0.20		ug/L			11/03/21 18:03	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 18:03	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 18:03	1
Bromoform	ND		0.50		ug/L			11/03/21 18:03	1
Bromomethane	ND		0.50		ug/L			11/03/21 18:03	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 18:03	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 18:03	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 18:03	1
Chloroethane	ND		0.50		ug/L			11/03/21 18:03	1
Chloroform	ND		0.20		ug/L			11/03/21 18:03	1
Chloromethane	ND		0.50		ug/L			11/03/21 18:03	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 18:03	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 18:03	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 18:03	1
Dibromomethane	ND		0.20		ug/L			11/03/21 18:03	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 18:03	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 18:03	1
Methyl iodide	ND		0.50		ug/L			11/03/21 18:03	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 18:03	1
o-Xylene	ND		0.50		ug/L			11/03/21 18:03	1
Styrene	ND		1.0		ug/L			11/03/21 18:03	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 18:03	1
Toluene	ND		0.20		ug/L			11/03/21 18:03	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 18:03	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 18:03	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 18:03	1
Trichloroethene	ND		0.20		ug/L			11/03/21 18:03	1
Trichlorofluoromethane	ND		0.50		ug/L			11/03/21 18:03	1
Vinyl acetate	ND	*+	2.0		ug/L			11/03/21 18:03	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 18:03	1

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: Trip Blank
Date Collected: 10/27/21 00:01
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-14
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		11/03/21 18:03	1
4-Bromofluorobenzene (Surr)	94		80 - 120		11/03/21 18:03	1
Dibromofluoromethane (Surr)	107		80 - 120		11/03/21 18:03	1
Toluene-d8 (Surr)	104		80 - 120		11/03/21 18:03	1

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

Lab Sample ID: MB 580-372199/6
Matrix: Water
Analysis Batch: 372199

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			11/03/21 00:42	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 00:42	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 00:42	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 00:42	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 00:42	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 00:42	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 00:42	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 00:42	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 00:42	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 00:42	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 00:42	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 00:42	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 00:42	1
2-Butanone	ND		10		ug/L			11/03/21 00:42	1
2-Hexanone	ND		3.0		ug/L			11/03/21 00:42	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 00:42	1
Acetone	ND		10		ug/L			11/03/21 00:42	1
Acrylonitrile	ND		10		ug/L			11/03/21 00:42	1
Benzene	ND		0.20		ug/L			11/03/21 00:42	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 00:42	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 00:42	1
Bromoform	ND		0.50		ug/L			11/03/21 00:42	1
Bromomethane	ND		0.50		ug/L			11/03/21 00:42	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 00:42	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 00:42	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 00:42	1
Chloroethane	ND		0.50		ug/L			11/03/21 00:42	1
Chloroform	ND		0.20		ug/L			11/03/21 00:42	1
Chloromethane	ND		0.50		ug/L			11/03/21 00:42	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 00:42	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 00:42	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 00:42	1
Dibromomethane	ND		0.20		ug/L			11/03/21 00:42	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 00:42	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 00:42	1
Methyl iodide	ND		0.50		ug/L			11/03/21 00:42	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 00:42	1
o-Xylene	ND		0.50		ug/L			11/03/21 00:42	1
Styrene	ND		1.0		ug/L			11/03/21 00:42	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 00:42	1
Toluene	ND		0.20		ug/L			11/03/21 00:42	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 00:42	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 00:42	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 00:42	1
Trichloroethene	ND		0.20		ug/L			11/03/21 00:42	1
Trichlorofluoromethane	ND		0.50		ug/L			11/03/21 00:42	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 00:42	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 00:42	1

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

Lab Sample ID: MB 580-372199/6
Matrix: Water
Analysis Batch: 372199

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*11/03/21 00:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/03/21 00:42*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*11/03/21 00:42*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/03/21 00:42*	*1*

Lab Sample ID: LCS 580-372199/3
Matrix: Water
Analysis Batch: 372199

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	4.43		ug/L		89	69 - 127
1,1,1-Trichloroethane	5.00	4.50		ug/L		90	70 - 121
1,1,2,2-Tetrachloroethane	5.00	5.22		ug/L		104	67 - 136
1,1,2-Trichloroethane	5.00	5.24		ug/L		105	73 - 127
1,1-Dichloroethane	5.00	4.72		ug/L		94	74 - 120
1,1-Dichloroethene	5.00	6.24		ug/L		125	60 - 129
1,2,3-Trichloropropane	5.00	5.66		ug/L		113	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.69		ug/L		94	55 - 135
1,2-Dibromoethane	5.00	5.51		ug/L		110	61 - 143
1,2-Dichlorobenzene	5.00	4.62		ug/L		92	72 - 129
1,2-Dichloroethane	5.00	4.91		ug/L		98	74 - 127
1,2-Dichloropropane	5.00	4.77		ug/L		95	69 - 130
1,4-Dichlorobenzene	5.00	4.53		ug/L		91	71 - 129
2-Butanone	25.0	27.7		ug/L		111	37 - 150
2-Hexanone	25.0	20.4		ug/L		82	56 - 150
4-Methyl-2-pentanone	25.0	21.7		ug/L		87	63 - 137
Acetone	25.0	45.3	*+	ug/L		181	49 - 150
Acrylonitrile	50.0	54.2		ug/L		108	50 - 145
Benzene	5.00	4.88		ug/L		98	80 - 120
Bromochloromethane	5.00	5.82		ug/L		116	79 - 121
Bromodichloromethane	5.00	4.68		ug/L		94	74 - 131
Bromoform	5.00	4.19		ug/L		84	48 - 127
Bromomethane	5.00	7.19		ug/L		144	51 - 148
Carbon disulfide	5.00	4.20		ug/L		84	54 - 142
Carbon tetrachloride	5.00	4.48		ug/L		90	66 - 130
Chlorobenzene	5.00	4.89		ug/L		98	74 - 123
Chloroethane	5.00	6.15		ug/L		123	54 - 140
Chloroform	5.00	4.86		ug/L		97	75 - 120
Chloromethane	5.00	5.46		ug/L		109	32 - 150
cis-1,2-Dichloroethene	5.00	4.78		ug/L		96	72 - 120
cis-1,3-Dichloropropene	5.00	4.40		ug/L		88	77 - 131
Dibromochloromethane	5.00	5.03		ug/L		101	62 - 141
Dibromomethane	5.00	4.63		ug/L		93	65 - 141
Ethylbenzene	5.00	4.19		ug/L		84	80 - 124
m,p-Xylene	5.00	4.75		ug/L		95	75 - 124
Methyl iodide	5.00	4.92		ug/L		98	60 - 128
Methylene Chloride	5.00	4.85	J	ug/L		97	40 - 142
o-Xylene	5.00	4.36		ug/L		87	71 - 124

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

Lab Sample ID: LCS 580-372199/3
Matrix: Water
Analysis Batch: 372199

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	4.67		ug/L		93	74 - 127
Tetrachloroethene	5.00	5.01		ug/L		100	75 - 124
Toluene	5.00	4.60		ug/L		92	80 - 126
trans-1,2-Dichloroethene	5.00	4.93		ug/L		99	69 - 121
trans-1,3-Dichloropropene	5.00	4.26		ug/L		85	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.89		ug/L		98	20 - 150
Trichloroethene	5.00	4.64		ug/L		93	72 - 120
Trichlorofluoromethane	5.00	6.99	*+	ug/L		140	60 - 132
Vinyl acetate	12.5	12.6		ug/L		101	38 - 150
Vinyl chloride	5.00	6.02		ug/L		120	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 580-372199/4
Matrix: Water
Analysis Batch: 372199

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	4.25		ug/L		85	69 - 127	4	22
1,1,1-Trichloroethane	5.00	4.38		ug/L		88	70 - 121	3	24
1,1,2,2-Tetrachloroethane	5.00	5.17		ug/L		103	67 - 136	1	24
1,1,2-Trichloroethane	5.00	5.02		ug/L		100	73 - 127	4	22
1,1-Dichloroethane	5.00	4.53		ug/L		91	74 - 120	4	26
1,1-Dichloroethene	5.00	5.80		ug/L		116	60 - 129	7	29
1,2,3-Trichloropropane	5.00	5.18		ug/L		104	67 - 135	9	25
1,2-Dibromo-3-Chloropropane	5.00	4.29		ug/L		86	55 - 135	9	29
1,2-Dibromoethane	5.00	5.43		ug/L		109	61 - 143	1	22
1,2-Dichlorobenzene	5.00	4.58		ug/L		92	72 - 129	1	22
1,2-Dichloroethane	5.00	4.76		ug/L		95	74 - 127	3	21
1,2-Dichloropropane	5.00	4.64		ug/L		93	69 - 130	3	22
1,4-Dichlorobenzene	5.00	4.49		ug/L		90	71 - 129	1	22
2-Butanone	25.0	25.1		ug/L		100	37 - 150	10	35
2-Hexanone	25.0	19.3		ug/L		77	56 - 150	6	29
4-Methyl-2-pentanone	25.0	20.8		ug/L		83	63 - 137	4	26
Acetone	25.0	36.2		ug/L		145	49 - 150	22	24
Acrylonitrile	50.0	53.1		ug/L		106	50 - 145	2	33
Benzene	5.00	4.77		ug/L		95	80 - 120	2	22
Bromochloromethane	5.00	5.61		ug/L		112	79 - 121	4	20
Bromodichloromethane	5.00	4.51		ug/L		90	74 - 131	4	21
Bromoform	5.00	4.22		ug/L		84	48 - 127	1	23
Bromomethane	5.00	6.74		ug/L		135	51 - 148	6	35
Carbon disulfide	5.00	4.00		ug/L		80	54 - 142	5	34
Carbon tetrachloride	5.00	4.34		ug/L		87	66 - 130	3	24
Chlorobenzene	5.00	4.72		ug/L		94	74 - 123	4	21

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

Lab Sample ID: LCSD 580-372199/4
Matrix: Water
Analysis Batch: 372199

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	5.89		ug/L		118	54 - 140	4	33
Chloroform	5.00	4.71		ug/L		94	75 - 120	3	21
Chloromethane	5.00	5.16		ug/L		103	32 - 150	6	33
cis-1,2-Dichloroethene	5.00	4.52		ug/L		90	72 - 120	6	22
cis-1,3-Dichloropropene	5.00	4.41		ug/L		88	77 - 131	0	24
Dibromochloromethane	5.00	4.91		ug/L		98	62 - 141	2	22
Dibromomethane	5.00	4.81		ug/L		96	65 - 141	4	22
Ethylbenzene	5.00	4.10		ug/L		82	80 - 124	2	22
m,p-Xylene	5.00	4.67		ug/L		93	75 - 124	2	22
Methyl iodide	5.00	4.70		ug/L		94	60 - 128	5	39
Methylene Chloride	5.00	4.65	J	ug/L		93	40 - 142	4	25
o-Xylene	5.00	4.22		ug/L		84	71 - 124	3	23
Styrene	5.00	4.60		ug/L		92	74 - 127	2	22
Tetrachloroethene	5.00	4.87		ug/L		97	75 - 124	3	20
Toluene	5.00	4.48		ug/L		90	80 - 126	3	20
trans-1,2-Dichloroethene	5.00	4.68		ug/L		94	69 - 121	5	27
trans-1,3-Dichloropropene	5.00	4.21		ug/L		84	71 - 138	1	26
trans-1,4-Dichloro-2-butene	5.00	4.35		ug/L		87	20 - 150	12	35
Trichloroethene	5.00	4.39		ug/L		88	72 - 120	6	22
Trichlorofluoromethane	5.00	6.56		ug/L		131	60 - 132	6	32
Vinyl acetate	12.5	13.9		ug/L		111	38 - 150	10	35
Vinyl chloride	5.00	5.62		ug/L		112	41 - 150	7	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 580-372290/6
Matrix: Water
Analysis Batch: 372290

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			11/03/21 13:10	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/03/21 13:10	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/03/21 13:10	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/03/21 13:10	1
1,1-Dichloroethane	ND		0.20		ug/L			11/03/21 13:10	1
1,1-Dichloroethene	ND		0.20		ug/L			11/03/21 13:10	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/03/21 13:10	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/03/21 13:10	1
1,2-Dibromoethane	ND		0.10		ug/L			11/03/21 13:10	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/03/21 13:10	1
1,2-Dichloroethane	ND		0.20		ug/L			11/03/21 13:10	1
1,2-Dichloropropane	ND		0.20		ug/L			11/03/21 13:10	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/03/21 13:10	1
2-Butanone	ND		10		ug/L			11/03/21 13:10	1

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

Lab Sample ID: MB 580-372290/6
Matrix: Water
Analysis Batch: 372290

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			11/03/21 13:10	1
4-Methyl-2-pentanone	ND		10		ug/L			11/03/21 13:10	1
Acetone	ND		10		ug/L			11/03/21 13:10	1
Acrylonitrile	ND		10		ug/L			11/03/21 13:10	1
Benzene	ND		0.20		ug/L			11/03/21 13:10	1
Bromochloromethane	ND		0.20		ug/L			11/03/21 13:10	1
Bromodichloromethane	ND		0.20		ug/L			11/03/21 13:10	1
Bromoform	ND		0.50		ug/L			11/03/21 13:10	1
Bromomethane	ND		0.50		ug/L			11/03/21 13:10	1
Carbon disulfide	ND		0.30		ug/L			11/03/21 13:10	1
Carbon tetrachloride	ND		0.20		ug/L			11/03/21 13:10	1
Chlorobenzene	ND		0.20		ug/L			11/03/21 13:10	1
Chloroethane	ND		0.50		ug/L			11/03/21 13:10	1
Chloroform	ND		0.20		ug/L			11/03/21 13:10	1
Chloromethane	ND		0.50		ug/L			11/03/21 13:10	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 13:10	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 13:10	1
Dibromochloromethane	ND		0.20		ug/L			11/03/21 13:10	1
Dibromomethane	ND		0.20		ug/L			11/03/21 13:10	1
Ethylbenzene	ND		0.20		ug/L			11/03/21 13:10	1
m,p-Xylene	ND		0.50		ug/L			11/03/21 13:10	1
Methyl iodide	ND		0.50		ug/L			11/03/21 13:10	1
Methylene Chloride	ND		5.0		ug/L			11/03/21 13:10	1
o-Xylene	ND		0.50		ug/L			11/03/21 13:10	1
Styrene	ND		1.0		ug/L			11/03/21 13:10	1
Tetrachloroethene	ND		0.50		ug/L			11/03/21 13:10	1
Toluene	ND		0.20		ug/L			11/03/21 13:10	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/03/21 13:10	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/03/21 13:10	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/03/21 13:10	1
Trichloroethene	ND		0.20		ug/L			11/03/21 13:10	1
Trichlorofluoromethane	ND		0.50		ug/L			11/03/21 13:10	1
Vinyl acetate	ND		2.0		ug/L			11/03/21 13:10	1
Vinyl chloride	ND		0.020		ug/L			11/03/21 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*11/03/21 13:10*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*11/03/21 13:10*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/03/21 13:10*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/03/21 13:10*	*1*

Lab Sample ID: LCS 580-372290/3
Matrix: Water
Analysis Batch: 372290

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	4.32		ug/L		86	69 - 127
1,1,1-Trichloroethane	5.00	4.64		ug/L		93	70 - 121

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

Lab Sample ID: LCS 580-372290/3
Matrix: Water
Analysis Batch: 372290

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	5.40		ug/L		108	67 - 136
1,1,2-Trichloroethane	5.00	4.96		ug/L		99	73 - 127
1,1-Dichloroethane	5.00	4.81		ug/L		96	74 - 120
1,1-Dichloroethene	5.00	6.24		ug/L		125	60 - 129
1,2,3-Trichloropropane	5.00	5.20		ug/L		104	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.36		ug/L		87	55 - 135
1,2-Dibromoethane	5.00	5.36		ug/L		107	61 - 143
1,2-Dichlorobenzene	5.00	4.53		ug/L		91	72 - 129
1,2-Dichloroethane	5.00	4.78		ug/L		96	74 - 127
1,2-Dichloropropane	5.00	4.80		ug/L		96	69 - 130
1,4-Dichlorobenzene	5.00	4.53		ug/L		91	71 - 129
2-Butanone	25.0	27.0		ug/L		108	37 - 150
2-Hexanone	25.0	21.2		ug/L		85	56 - 150
4-Methyl-2-pentanone	25.0	22.1		ug/L		88	63 - 137
Acetone	25.0	37.2		ug/L		149	49 - 150
Acrylonitrile	50.0	57.1		ug/L		114	50 - 145
Benzene	5.00	4.97		ug/L		99	80 - 120
Bromochloromethane	5.00	5.72		ug/L		114	79 - 121
Bromodichloromethane	5.00	4.74		ug/L		95	74 - 131
Bromoform	5.00	4.27		ug/L		85	48 - 127
Bromomethane	5.00	6.59		ug/L		132	51 - 148
Carbon disulfide	5.00	4.48		ug/L		90	54 - 142
Carbon tetrachloride	5.00	4.75		ug/L		95	66 - 130
Chlorobenzene	5.00	4.83		ug/L		97	74 - 123
Chloroethane	5.00	5.99		ug/L		120	54 - 140
Chloroform	5.00	4.84		ug/L		97	75 - 120
Chloromethane	5.00	4.87		ug/L		97	32 - 150
cis-1,2-Dichloroethene	5.00	4.95		ug/L		99	72 - 120
cis-1,3-Dichloropropene	5.00	4.53		ug/L		91	77 - 131
Dibromochloromethane	5.00	4.87		ug/L		97	62 - 141
Dibromomethane	5.00	4.71		ug/L		94	65 - 141
Ethylbenzene	5.00	4.31		ug/L		86	80 - 124
m,p-Xylene	5.00	4.93		ug/L		99	75 - 124
Methyl iodide	5.00	4.90		ug/L		98	60 - 128
Methylene Chloride	5.00	4.70	J	ug/L		94	40 - 142
o-Xylene	5.00	4.31		ug/L		86	71 - 124
Styrene	5.00	4.80		ug/L		96	74 - 127
Tetrachloroethene	5.00	5.11		ug/L		102	75 - 124
Toluene	5.00	4.56		ug/L		91	80 - 126
trans-1,2-Dichloroethene	5.00	4.81		ug/L		96	69 - 121
trans-1,3-Dichloropropene	5.00	4.35		ug/L		87	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.44		ug/L		89	20 - 150
Trichloroethene	5.00	4.47		ug/L		89	72 - 120
Trichlorofluoromethane	5.00	6.17		ug/L		123	60 - 132
Vinyl acetate	12.5	19.7	*+	ug/L		158	38 - 150
Vinyl chloride	5.00	5.58		ug/L		112	41 - 150

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

Lab Sample ID: LCS 580-372290/3
Matrix: Water
Analysis Batch: 372290

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)	100		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 580-372290/4
Matrix: Water
Analysis Batch: 372290

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	4.30		ug/L		86	69 - 127	0	22
1,1,1-Trichloroethane			5.00	4.37		ug/L		87	70 - 121	6	24
1,1,2,2-Tetrachloroethane			5.00	5.33		ug/L		107	67 - 136	1	24
1,1,2-Trichloroethane			5.00	4.97		ug/L		99	73 - 127	0	22
1,1-Dichloroethane			5.00	4.62		ug/L		92	74 - 120	4	26
1,1-Dichloroethene			5.00	6.10		ug/L		122	60 - 129	2	29
1,2,3-Trichloropropane			5.00	5.45		ug/L		109	67 - 135	5	25
1,2-Dibromo-3-Chloropropane			5.00	4.36		ug/L		87	55 - 135	0	29
1,2-Dibromoethane			5.00	5.29		ug/L		106	61 - 143	1	22
1,2-Dichlorobenzene			5.00	4.52		ug/L		90	72 - 129	0	22
1,2-Dichloroethane			5.00	4.71		ug/L		94	74 - 127	1	21
1,2-Dichloropropane			5.00	4.69		ug/L		94	69 - 130	2	22
1,4-Dichlorobenzene			5.00	4.59		ug/L		92	71 - 129	1	22
2-Butanone			25.0	26.9		ug/L		107	37 - 150	0	35
2-Hexanone			25.0	20.5		ug/L		82	56 - 150	3	29
4-Methyl-2-pentanone			25.0	21.2		ug/L		85	63 - 137	4	26
Acetone			25.0	43.7	*+	ug/L		175	49 - 150	16	24
Acrylonitrile			50.0	55.5		ug/L		111	50 - 145	3	33
Benzene			5.00	4.82		ug/L		96	80 - 120	3	22
Bromochloromethane			5.00	5.69		ug/L		114	79 - 121	0	20
Bromodichloromethane			5.00	4.70		ug/L		94	74 - 131	1	21
Bromoform			5.00	4.28		ug/L		86	48 - 127	0	23
Bromomethane			5.00	6.19		ug/L		124	51 - 148	6	35
Carbon disulfide			5.00	4.27		ug/L		85	54 - 142	5	34
Carbon tetrachloride			5.00	4.59		ug/L		92	66 - 130	3	24
Chlorobenzene			5.00	4.80		ug/L		96	74 - 123	0	21
Chloroethane			5.00	5.37		ug/L		107	54 - 140	11	33
Chloroform			5.00	4.82		ug/L		96	75 - 120	1	21
Chloromethane			5.00	5.00		ug/L		100	32 - 150	3	33
cis-1,2-Dichloroethene			5.00	4.80		ug/L		96	72 - 120	3	22
cis-1,3-Dichloropropene			5.00	4.45		ug/L		89	77 - 131	2	24
Dibromochloromethane			5.00	4.91		ug/L		98	62 - 141	1	22
Dibromomethane			5.00	4.54		ug/L		91	65 - 141	4	22
Ethylbenzene			5.00	4.16		ug/L		83	80 - 124	4	22
m,p-Xylene			5.00	4.77		ug/L		95	75 - 124	3	22
Methyl iodide			5.00	4.74		ug/L		95	60 - 128	3	39
Methylene Chloride			5.00	4.73	J	ug/L		95	40 - 142	1	25
o-Xylene			5.00	4.30		ug/L		86	71 - 124	0	23

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

Lab Sample ID: LCSD 580-372290/4
Matrix: Water
Analysis Batch: 372290

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene			5.00	4.65		ug/L		93	74 - 127	3	22
Tetrachloroethene			5.00	4.99		ug/L		100	75 - 124	2	20
Toluene			5.00	4.53		ug/L		91	80 - 126	1	20
trans-1,2-Dichloroethene			5.00	4.66		ug/L		93	69 - 121	3	27
trans-1,3-Dichloropropene			5.00	4.38		ug/L		88	71 - 138	1	26
trans-1,4-Dichloro-2-butene			5.00	4.80		ug/L		96	20 - 150	8	35
Trichloroethene			5.00	4.55		ug/L		91	72 - 120	2	22
Trichlorofluoromethane			5.00	6.12		ug/L		122	60 - 132	1	32
Vinyl acetate			12.5	18.8		ug/L		150	38 - 150	5	35
Vinyl chloride			5.00	5.33		ug/L		107	41 - 150	5	32

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 580-372309/6
Matrix: Water
Analysis Batch: 372309

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			11/04/21 00:43	1
1,1,1-Trichloroethane	ND		0.20		ug/L			11/04/21 00:43	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			11/04/21 00:43	1
1,1,2-Trichloroethane	ND		0.20		ug/L			11/04/21 00:43	1
1,1-Dichloroethane	ND		0.20		ug/L			11/04/21 00:43	1
1,1-Dichloroethene	ND		0.20		ug/L			11/04/21 00:43	1
1,2,3-Trichloropropane	ND		0.20		ug/L			11/04/21 00:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			11/04/21 00:43	1
1,2-Dibromoethane	ND		0.10		ug/L			11/04/21 00:43	1
1,2-Dichlorobenzene	ND		0.30		ug/L			11/04/21 00:43	1
1,2-Dichloroethane	ND		0.20		ug/L			11/04/21 00:43	1
1,2-Dichloropropane	ND		0.20		ug/L			11/04/21 00:43	1
1,4-Dichlorobenzene	ND		0.30		ug/L			11/04/21 00:43	1
2-Butanone	ND		10		ug/L			11/04/21 00:43	1
2-Hexanone	ND		3.0		ug/L			11/04/21 00:43	1
4-Methyl-2-pentanone	ND		10		ug/L			11/04/21 00:43	1
Acetone	ND		10		ug/L			11/04/21 00:43	1
Acrylonitrile	ND		10		ug/L			11/04/21 00:43	1
Benzene	ND		0.20		ug/L			11/04/21 00:43	1
Bromochloromethane	ND		0.20		ug/L			11/04/21 00:43	1
Bromodichloromethane	ND		0.20		ug/L			11/04/21 00:43	1
Bromoform	ND		0.50		ug/L			11/04/21 00:43	1
Bromomethane	ND		0.50		ug/L			11/04/21 00:43	1
Carbon disulfide	ND		0.30		ug/L			11/04/21 00:43	1
Carbon tetrachloride	ND		0.20		ug/L			11/04/21 00:43	1
Chlorobenzene	ND		0.20		ug/L			11/04/21 00:43	1

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

Lab Sample ID: MB 580-372309/6
Matrix: Water
Analysis Batch: 372309

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.50		ug/L			11/04/21 00:43	1
Chloroform	ND		0.20		ug/L			11/04/21 00:43	1
Chloromethane	ND		0.50		ug/L			11/04/21 00:43	1
cis-1,2-Dichloroethene	ND		0.20		ug/L			11/04/21 00:43	1
cis-1,3-Dichloropropene	ND		0.20		ug/L			11/04/21 00:43	1
Dibromochloromethane	ND		0.20		ug/L			11/04/21 00:43	1
Dibromomethane	ND		0.20		ug/L			11/04/21 00:43	1
Ethylbenzene	ND		0.20		ug/L			11/04/21 00:43	1
m,p-Xylene	ND		0.50		ug/L			11/04/21 00:43	1
Methyl iodide	ND		0.50		ug/L			11/04/21 00:43	1
Methylene Chloride	ND		5.0		ug/L			11/04/21 00:43	1
o-Xylene	ND		0.50		ug/L			11/04/21 00:43	1
Styrene	ND		1.0		ug/L			11/04/21 00:43	1
Tetrachloroethene	ND		0.50		ug/L			11/04/21 00:43	1
Toluene	ND		0.20		ug/L			11/04/21 00:43	1
trans-1,2-Dichloroethene	ND		0.20		ug/L			11/04/21 00:43	1
trans-1,3-Dichloropropene	ND		0.20		ug/L			11/04/21 00:43	1
trans-1,4-Dichloro-2-butene	ND		2.0		ug/L			11/04/21 00:43	1
Trichloroethene	ND		0.20		ug/L			11/04/21 00:43	1
Trichlorofluoromethane	ND		0.50		ug/L			11/04/21 00:43	1
Vinyl acetate	ND		2.0		ug/L			11/04/21 00:43	1
Vinyl chloride	ND		0.020		ug/L			11/04/21 00:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*11/04/21 00:43*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*11/04/21 00:43*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*11/04/21 00:43*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/04/21 00:43*	*1*

Lab Sample ID: LCS 580-372309/3
Matrix: Water
Analysis Batch: 372309

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	4.22		ug/L		84	69 - 127
1,1,1-Trichloroethane	5.00	4.24		ug/L		85	70 - 121
1,1,2,2-Tetrachloroethane	5.00	4.74		ug/L		95	67 - 136
1,1,2-Trichloroethane	5.00	4.96		ug/L		99	73 - 127
1,1-Dichloroethane	5.00	4.63		ug/L		93	74 - 120
1,1-Dichloroethene	5.00	5.07		ug/L		101	60 - 129
1,2,3-Trichloropropane	5.00	4.91		ug/L		98	67 - 135
1,2-Dibromo-3-Chloropropane	5.00	4.18		ug/L		84	55 - 135
1,2-Dibromoethane	5.00	5.28		ug/L		106	61 - 143
1,2-Dichlorobenzene	5.00	4.30		ug/L		86	72 - 129
1,2-Dichloroethane	5.00	4.52		ug/L		90	74 - 127
1,2-Dichloropropane	5.00	4.61		ug/L		92	69 - 130
1,4-Dichlorobenzene	5.00	4.37		ug/L		87	71 - 129
2-Butanone	25.0	22.4		ug/L		89	37 - 150

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

Lab Sample ID: LCS 580-372309/3
Matrix: Water
Analysis Batch: 372309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	25.0	19.8		ug/L		79	56 - 150
4-Methyl-2-pentanone	25.0	20.0		ug/L		80	63 - 137
Acetone	25.0	28.4		ug/L		114	49 - 150
Acrylonitrile	50.0	47.6		ug/L		95	50 - 145
Benzene	5.00	4.79		ug/L		96	80 - 120
Bromochloromethane	5.00	5.35		ug/L		107	79 - 121
Bromodichloromethane	5.00	4.46		ug/L		89	74 - 131
Bromoform	5.00	4.06		ug/L		81	48 - 127
Bromomethane	5.00	6.51		ug/L		130	51 - 148
Carbon disulfide	5.00	4.08		ug/L		82	54 - 142
Carbon tetrachloride	5.00	4.59		ug/L		92	66 - 130
Chlorobenzene	5.00	4.53		ug/L		91	74 - 123
Chloroethane	5.00	5.78		ug/L		116	54 - 140
Chloroform	5.00	4.75		ug/L		95	75 - 120
Chloromethane	5.00	5.20		ug/L		104	32 - 150
cis-1,2-Dichloroethene	5.00	4.76		ug/L		95	72 - 120
cis-1,3-Dichloropropene	5.00	4.34		ug/L		87	77 - 131
Dibromochloromethane	5.00	4.61		ug/L		92	62 - 141
Dibromomethane	5.00	4.32		ug/L		86	65 - 141
Ethylbenzene	5.00	4.12		ug/L		82	80 - 124
m,p-Xylene	5.00	4.62		ug/L		92	75 - 124
Methyl iodide	5.00	4.63		ug/L		93	60 - 128
Methylene Chloride	5.00	4.28	J	ug/L		86	40 - 142
o-Xylene	5.00	4.19		ug/L		84	71 - 124
Styrene	5.00	4.53		ug/L		91	74 - 127
Tetrachloroethene	5.00	4.80		ug/L		96	75 - 124
Toluene	5.00	4.46		ug/L		89	80 - 126
trans-1,2-Dichloroethene	5.00	4.56		ug/L		91	69 - 121
trans-1,3-Dichloropropene	5.00	4.13		ug/L		83	71 - 138
trans-1,4-Dichloro-2-butene	5.00	4.50		ug/L		90	20 - 150
Trichloroethene	5.00	4.56		ug/L		91	72 - 120
Trichlorofluoromethane	5.00	6.47		ug/L		129	60 - 132
Vinyl acetate	12.5	11.5		ug/L		92	38 - 150
Vinyl chloride	5.00	5.78		ug/L		116	41 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: LCSD 580-372309/4
Matrix: Water
Analysis Batch: 372309

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	4.31		ug/L		86	69 - 127	2	22
1,1,1-Trichloroethane	5.00	4.44		ug/L		89	70 - 121	5	24

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

Lab Sample ID: LCSD 580-372309/4
Matrix: Water
Analysis Batch: 372309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	5.00	5.09		ug/L		102	67 - 136	7	24
1,1,2-Trichloroethane	5.00	4.83		ug/L		97	73 - 127	3	22
1,1-Dichloroethane	5.00	4.75		ug/L		95	74 - 120	3	26
1,1-Dichloroethene	5.00	5.99		ug/L		120	60 - 129	17	29
1,2,3-Trichloropropane	5.00	5.41		ug/L		108	67 - 135	10	25
1,2-Dibromo-3-Chloropropane	5.00	4.20		ug/L		84	55 - 135	1	29
1,2-Dibromoethane	5.00	5.31		ug/L		106	61 - 143	1	22
1,2-Dichlorobenzene	5.00	4.47		ug/L		89	72 - 129	4	22
1,2-Dichloroethane	5.00	4.59		ug/L		92	74 - 127	2	21
1,2-Dichloropropane	5.00	4.63		ug/L		93	69 - 130	0	22
1,4-Dichlorobenzene	5.00	4.52		ug/L		90	71 - 129	3	22
2-Butanone	25.0	26.0		ug/L		104	37 - 150	15	35
2-Hexanone	25.0	20.4		ug/L		82	56 - 150	3	29
4-Methyl-2-pentanone	25.0	21.2		ug/L		85	63 - 137	6	26
Acetone	25.0	30.7		ug/L		123	49 - 150	8	24
Acrylonitrile	50.0	50.9		ug/L		102	50 - 145	7	33
Benzene	5.00	4.77		ug/L		95	80 - 120	0	22
Bromochloromethane	5.00	5.57		ug/L		111	79 - 121	4	20
Bromodichloromethane	5.00	4.48		ug/L		90	74 - 131	0	21
Bromoform	5.00	4.30		ug/L		86	48 - 127	6	23
Bromomethane	5.00	7.04		ug/L		141	51 - 148	8	35
Carbon disulfide	5.00	4.20		ug/L		84	54 - 142	3	34
Carbon tetrachloride	5.00	4.49		ug/L		90	66 - 130	2	24
Chlorobenzene	5.00	4.66		ug/L		93	74 - 123	3	21
Chloroethane	5.00	6.12		ug/L		122	54 - 140	6	33
Chloroform	5.00	4.84		ug/L		97	75 - 120	2	21
Chloromethane	5.00	4.76		ug/L		95	32 - 150	9	33
cis-1,2-Dichloroethene	5.00	4.72		ug/L		94	72 - 120	1	22
cis-1,3-Dichloropropene	5.00	4.28		ug/L		86	77 - 131	1	24
Dibromochloromethane	5.00	4.88		ug/L		98	62 - 141	6	22
Dibromomethane	5.00	4.52		ug/L		90	65 - 141	5	22
Ethylbenzene	5.00	4.11		ug/L		82	80 - 124	0	22
m,p-Xylene	5.00	4.66		ug/L		93	75 - 124	1	22
Methyl iodide	5.00	4.51		ug/L		90	60 - 128	3	39
Methylene Chloride	5.00	4.77	J	ug/L		95	40 - 142	11	25
o-Xylene	5.00	4.32		ug/L		86	71 - 124	3	23
Styrene	5.00	4.59		ug/L		92	74 - 127	1	22
Tetrachloroethene	5.00	4.90		ug/L		98	75 - 124	2	20
Toluene	5.00	4.42		ug/L		88	80 - 126	1	20
trans-1,2-Dichloroethene	5.00	4.75		ug/L		95	69 - 121	4	27
trans-1,3-Dichloropropene	5.00	4.20		ug/L		84	71 - 138	2	26
trans-1,4-Dichloro-2-butene	5.00	4.88		ug/L		98	20 - 150	8	35
Trichloroethene	5.00	4.29		ug/L		86	72 - 120	6	22
Trichlorofluoromethane	5.00	6.05		ug/L		121	60 - 132	7	32
Vinyl acetate	12.5	13.1		ug/L		105	38 - 150	13	35
Vinyl chloride	5.00	5.78		ug/L		116	41 - 150	0	32

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

Lab Sample ID: LCSD 580-372309/4
Matrix: Water
Analysis Batch: 372309

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-372310/8-B
Matrix: Water
Analysis Batch: 372863

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 372738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50		mg/L		11/08/21 18:31	11/09/21 19:18	1
Iron	ND		0.30		mg/L		11/08/21 18:31	11/09/21 19:18	1
Magnesium	ND		0.50		mg/L		11/08/21 18:31	11/09/21 19:18	1
Manganese	ND		0.020		mg/L		11/08/21 18:31	11/09/21 19:18	1
Potassium	ND		3.3		mg/L		11/08/21 18:31	11/09/21 19:18	1
Sodium	ND		0.50		mg/L		11/08/21 18:31	11/09/21 19:18	1

Lab Sample ID: LCS 580-372310/9-B
Matrix: Water
Analysis Batch: 372863

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 372738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	20.0	21.7		mg/L		108	80 - 120
Iron	20.0	21.6		mg/L		108	80 - 120
Magnesium	20.0	21.6		mg/L		108	80 - 120
Manganese	1.00	1.01		mg/L		101	80 - 120
Potassium	20.0	20.5		mg/L		103	80 - 120
Sodium	20.0	20.9		mg/L		105	80 - 120

Lab Sample ID: LCSD 580-372310/10-B
Matrix: Water
Analysis Batch: 372863

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved
Prep Batch: 372738

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	20.0	21.6		mg/L		108	80 - 120	0	20
Iron	20.0	21.6		mg/L		108	80 - 120	0	20
Magnesium	20.0	21.5		mg/L		108	80 - 120	0	20
Manganese	1.00	0.997		mg/L		100	80 - 120	1	20
Potassium	20.0	20.4		mg/L		102	80 - 120	0	20
Sodium	20.0	20.9		mg/L		105	80 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-372766/24-A
Matrix: Water
Analysis Batch: 372858

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 14:51	1
Antimony	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 14:51	1
Barium	ND		0.0012		mg/L		11/09/21 09:48	11/09/21 14:51	1
Beryllium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:51	1
Cadmium	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:51	1
Chromium	ND		0.00080		mg/L		11/09/21 09:48	11/09/21 14:51	1
Cobalt	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:51	1
Copper	ND		0.0020		mg/L		11/09/21 09:48	11/09/21 14:51	1
Lead	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:51	1
Nickel	ND		0.0030		mg/L		11/09/21 09:48	11/09/21 14:51	1
Selenium	ND		0.0080		mg/L		11/09/21 09:48	11/09/21 14:51	1
Silver	ND		0.00040		mg/L		11/09/21 09:48	11/09/21 14:51	1
Thallium	ND		0.0010		mg/L		11/09/21 09:48	11/09/21 14:51	1
Vanadium	ND		0.0040		mg/L		11/09/21 09:48	11/09/21 14:51	1
Zinc	ND		0.0070		mg/L		11/09/21 09:48	11/09/21 14:51	1

Lab Sample ID: LCS 580-372766/25-A
Matrix: Water
Analysis Batch: 372858

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			1.00	0.956		mg/L		96	80 - 120		
Antimony			1.00	1.00		mg/L		100	80 - 120		
Barium			1.00	0.985		mg/L		98	80 - 120		
Beryllium			1.00	1.01		mg/L		101	80 - 120		
Cadmium			1.00	0.946		mg/L		95	80 - 120		
Chromium			1.00	0.997		mg/L		100	80 - 120		
Cobalt			1.00	0.937		mg/L		94	80 - 120		
Copper			1.00	0.994		mg/L		99	80 - 120		
Lead			1.00	0.988		mg/L		99	80 - 120		
Nickel			1.00	0.985		mg/L		98	80 - 120		
Selenium			1.00	0.915		mg/L		91	80 - 120		
Silver			1.00	0.984		mg/L		98	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	0.935		mg/L		93	80 - 120		

Lab Sample ID: LCSD 580-372766/26-A
Matrix: Water
Analysis Batch: 372858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			1.00	0.968		mg/L		97	80 - 120	1	20
Antimony			1.00	0.995		mg/L		100	80 - 120	1	20
Barium			1.00	0.981		mg/L		98	80 - 120	0	20
Beryllium			1.00	0.999		mg/L		100	80 - 120	1	20
Cadmium			1.00	0.942		mg/L		94	80 - 120	0	20
Chromium			1.00	0.988		mg/L		99	80 - 120	1	20
Cobalt			1.00	0.946		mg/L		95	80 - 120	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 580-372766/26-A
Matrix: Water
Analysis Batch: 372858

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper			1.00	0.983		mg/L		98	80 - 120	1	20
Lead			1.00	0.976		mg/L		98	80 - 120	1	20
Nickel			1.00	0.980		mg/L		98	80 - 120	0	20
Selenium			1.00	0.920		mg/L		92	80 - 120	1	20
Silver			1.00	0.996		mg/L		100	80 - 120	1	20
Thallium			1.00	1.02		mg/L		102	80 - 120	1	20
Vanadium			1.00	1.01		mg/L		101	80 - 120	1	20
Zinc			1.00	0.946		mg/L		95	80 - 120	1	20

Lab Sample ID: 580-107005-1 MS
Matrix: Water
Analysis Batch: 372858

Client Sample ID: 1021-12
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0071		1.00	1.03		mg/L		102	80 - 120
Antimony	ND		1.00	0.981		mg/L		98	80 - 120
Barium	0.038		1.00	1.06		mg/L		102	80 - 120
Beryllium	ND		1.00	1.09		mg/L		109	80 - 120
Cadmium	ND		1.00	0.983		mg/L		98	80 - 120
Chromium	ND		1.00	1.06		mg/L		106	80 - 120
Cobalt	ND		1.00	1.01		mg/L		101	80 - 120
Copper	ND		1.00	1.07		mg/L		107	80 - 120
Lead	ND		1.00	1.04		mg/L		104	80 - 120
Nickel	ND		1.00	1.04		mg/L		104	80 - 120
Selenium	ND		1.00	0.972		mg/L		97	80 - 120
Silver	ND		1.00	1.04		mg/L		104	80 - 120
Thallium	ND		1.00	1.06		mg/L		106	80 - 120
Vanadium	ND		1.00	1.09		mg/L		109	80 - 120
Zinc	ND		1.00	0.994		mg/L		99	80 - 120

Lab Sample ID: 580-107005-1 MSD
Matrix: Water
Analysis Batch: 372858

Client Sample ID: 1021-12
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0071		1.00	1.02		mg/L		101	80 - 120	1	20
Antimony	ND		1.00	0.997		mg/L		100	80 - 120	2	20
Barium	0.038		1.00	1.06		mg/L		103	80 - 120	1	20
Beryllium	ND		1.00	1.09		mg/L		109	80 - 120	0	20
Cadmium	ND		1.00	0.995		mg/L		100	80 - 120	1	20
Chromium	ND		1.00	1.04		mg/L		104	80 - 120	3	20
Cobalt	ND		1.00	0.993		mg/L		99	80 - 120	1	20
Copper	ND		1.00	1.04		mg/L		104	80 - 120	2	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	3	20
Selenium	ND		1.00	0.979		mg/L		98	80 - 120	1	20
Silver	ND		1.00	1.04		mg/L		104	80 - 120	0	20
Thallium	ND		1.00	1.07		mg/L		107	80 - 120	1	20
Vanadium	ND		1.00	1.06		mg/L		106	80 - 120	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-107005-1 MSD
Matrix: Water
Analysis Batch: 372858

Client Sample ID: 1021-12
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	ND		1.00	0.988		mg/L		99	80 - 120	1	20

Lab Sample ID: 580-107005-1 DU
Matrix: Water
Analysis Batch: 372858

Client Sample ID: 1021-12
Prep Type: Total Recoverable
Prep Batch: 372766

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.0071		0.00722		mg/L		1	20
Antimony	ND		ND		mg/L		NC	20
Barium	0.038		0.0391		mg/L		2	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
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 580-371932/3
Matrix: Water
Analysis Batch: 371932

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			10/28/21 17:43	1

Lab Sample ID: LCS 580-371932/4
Matrix: Water
Analysis Batch: 371932

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 580-371932/5
Matrix: Water
Analysis Batch: 371932

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

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-107005-5 MS
Matrix: Water
Analysis Batch: 371932

Client Sample ID: 1021-11
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	10.0		mg/L		99	90 - 110

Lab Sample ID: 580-107005-5 MSD
Matrix: Water
Analysis Batch: 371932

Client Sample ID: 1021-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		10.0	10.1		mg/L		100	90 - 110	0	15

Lab Sample ID: MB 580-371933/3
Matrix: Water
Analysis Batch: 371933

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			10/28/21 17:43	1
Chloride	ND		1.5		mg/L			10/28/21 17:43	1
Sulfate	ND		1.5		mg/L			10/28/21 17:43	1

Lab Sample ID: LCS 580-371933/4
Matrix: Water
Analysis Batch: 371933

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	5.04		mg/L		101	90 - 110
Chloride	50.0	52.1		mg/L		104	90 - 110
Sulfate	50.0	51.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 580-371933/5
Matrix: Water
Analysis Batch: 371933

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	5.04		mg/L		101	90 - 110	0	15
Chloride	50.0	52.0		mg/L		104	90 - 110	0	15
Sulfate	50.0	51.2		mg/L		102	90 - 110	0	15

Lab Sample ID: 580-107005-5 MS
Matrix: Water
Analysis Batch: 371933

Client Sample ID: 1021-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	ND		5.00	5.01		mg/L		100	90 - 110
Chloride	94	F1	50.0	133	F1	mg/L		78	90 - 110
Sulfate	82	F1	50.0	126	F1	mg/L		88	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 580-107005-5 MSD
Matrix: Water
Analysis Batch: 371933

Client Sample ID: 1021-11
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	5.00		mg/L		100	90 - 110	0	15
Chloride	94	F1	50.0	133	F1	mg/L		78	90 - 110	0	15
Sulfate	82	F1	50.0	126	F1	mg/L		88	90 - 110	0	15

Lab Sample ID: MB 580-371937/3
Matrix: Water
Analysis Batch: 371937

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			10/29/21 07:11	1
Chloride	ND		1.5		mg/L			10/29/21 07:11	1
Sulfate	ND		1.5		mg/L			10/29/21 07:11	1

Lab Sample ID: LCS 580-371937/4
Matrix: Water
Analysis Batch: 371937

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	5.03		mg/L		101	90 - 110
Chloride	50.0	52.0		mg/L		104	90 - 110
Sulfate	50.0	51.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 580-371937/5
Matrix: Water
Analysis Batch: 371937

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	0	15
Chloride	50.0	52.0		mg/L		104	90 - 110	0	15
Sulfate	50.0	51.2		mg/L		102	90 - 110	0	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 580-372451/1-A
Matrix: Water
Analysis Batch: 372605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372451

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		11/04/21 14:44	11/06/21 16:36	1

Lab Sample ID: LCS 580-372451/2-A
Matrix: Water
Analysis Batch: 372605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372451

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	1.90		mg/L		95	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 580-372555/1-A
Matrix: Water
Analysis Batch: 372621

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.50		mg/L		11/06/21 19:00	11/06/21 22:32	1

Lab Sample ID: LCS 580-372555/2-A
Matrix: Water
Analysis Batch: 372621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372555

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia			2.00	1.96		mg/L		98	90 - 110		

Lab Sample ID: 580-107005-10 MS
Matrix: Water
Analysis Batch: 372621

Client Sample ID: 1021-05
Prep Type: Total/NA
Prep Batch: 372555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia	ND		2.00	1.97		mg/L		99	90 - 110		

Lab Sample ID: 580-107005-10 MSD
Matrix: Water
Analysis Batch: 372621

Client Sample ID: 1021-05
Prep Type: Total/NA
Prep Batch: 372555

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND		2.00	1.97		mg/L		99	90 - 110	0	20

Lab Sample ID: 580-107005-10 DU
Matrix: Water
Analysis Batch: 372621

Client Sample ID: 1021-05
Prep Type: Total/NA
Prep Batch: 372555

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia	ND			ND		mg/L				NC	20

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 580-372465/2
Matrix: Water
Analysis Batch: 372465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity			100	97.1		mg/L		97	85 - 115		

Lab Sample ID: 580-107005-1 DU
Matrix: Water
Analysis Batch: 372465

Client Sample ID: 1021-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	330			339		mg/L				2	17
Bicarbonate Alkalinity as CaCO3	330			339		mg/L				2	20
Carbonate Alkalinity as CaCO3	ND			ND		mg/L				NC	20
Hydroxide Alkalinity as CaCO3	ND			ND		mg/L				NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-372205/1
Matrix: Water
Analysis Batch: 372205

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			11/02/21 12:45	1

Lab Sample ID: LCS 580-372205/2
Matrix: Water
Analysis Batch: 372205

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	844		mg/L		84	80 - 120		

Lab Sample ID: 580-107005-7 DU
Matrix: Water
Analysis Batch: 372205

Client Sample ID: 1021-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	410			372		mg/L				11	20

Lab Sample ID: 580-107005-8 DU
Matrix: Water
Analysis Batch: 372205

Client Sample ID: 1021-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	680			632		mg/L				18	20

Lab Sample ID: MB 580-372376/1
Matrix: Water
Analysis Batch: 372376

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			11/03/21 19:48	1

Lab Sample ID: LCS 580-372376/2
Matrix: Water
Analysis Batch: 372376

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	956		mg/L		96	80 - 120		

Lab Sample ID: 580-107005-9 DU
Matrix: Water
Analysis Batch: 372376

Client Sample ID: 1021-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	390			351		mg/L				11	20

Lab Sample ID: 580-107005-10 DU
Matrix: Water
Analysis Batch: 372376

Client Sample ID: 1021-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1400			1270		mg/L				8	20

Method: SM 5220D - COD

Lab Sample ID: MB 580-372353/3-A
Matrix: Water
Analysis Batch: 372379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372353

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		11/03/21 16:01	11/03/21 20:59	1

Lab Sample ID: LCS 580-372353/4-A
Matrix: Water
Analysis Batch: 372379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	76.4		mg/L		102	80 - 120

Lab Sample ID: LCSD 580-372353/5-A
Matrix: Water
Analysis Batch: 372379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 372353

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	78.5		mg/L		105	80 - 120	3	20

Lab Sample ID: MB 580-372550/3-A
Matrix: Water
Analysis Batch: 372570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372550

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10		mg/L		11/05/21 15:28	11/05/21 20:24	1

Lab Sample ID: LCS 580-372550/4-A
Matrix: Water
Analysis Batch: 372570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	75.0	69.3		mg/L		92	80 - 120

Lab Sample ID: LCSD 580-372550/5-A
Matrix: Water
Analysis Batch: 372570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 372550

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	75.0	70.3		mg/L		94	80 - 120	1	20

Lab Sample ID: 580-107005-7 MS
Matrix: Water
Analysis Batch: 372570

Client Sample ID: 1021-10
Prep Type: Total/NA
Prep Batch: 372550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	ND		25.0	23.0		mg/L		92	75 - 125

Lab Sample ID: 580-107005-7 DU
Matrix: Water
Analysis Batch: 372570

Client Sample ID: 1021-10
Prep Type: Total/NA
Prep Batch: 372550

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 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 400-555219/39
Matrix: Water
Analysis Batch: 555219

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			11/07/21 10:57	1

Lab Sample ID: MB 400-555219/7
Matrix: Water
Analysis Batch: 555219

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			11/07/21 02:25	1

Lab Sample ID: LCS 400-555219/42
Matrix: Water
Analysis Batch: 555219

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	20.0	19.5		mg/L		98	85 - 115

Lab Sample ID: LCS 400-555219/9
Matrix: Water
Analysis Batch: 555219

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	20.0	19.6		mg/L		98	85 - 115

Lab Sample ID: LCSD 400-555219/10
Matrix: Water
Analysis Batch: 555219

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	20.0	19.5		mg/L		97	85 - 115	1	30

Lab Sample ID: LCSD 400-555219/43
Matrix: Water
Analysis Batch: 555219

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	20.0	19.5		mg/L		98	85 - 115	0	30

Lab Sample ID: MRL 400-555219/6
Matrix: Water
Analysis Batch: 555219

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	1.13		mg/L		113	50 - 150

Lab Sample ID: 580-107005-7 MS
Matrix: Water
Analysis Batch: 555219

Client Sample ID: 1021-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	ND		5.00	5.76		mg/L		97	76 - 117

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Method: SM 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: 580-107005-7 MSD
Matrix: Water
Analysis Batch: 555219

Client Sample ID: 1021-10
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		5.00	5.78		mg/L		97	76 - 117	0	16

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-12
Date Collected: 10/27/21 09:35
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 03:21	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 19:57	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 14:59	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 18:18	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 18:18	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372376	11/03/21 19:48	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 09:19	DEK	TAL PEN

Client Sample ID: 1021-13
Date Collected: 10/27/21 10:25
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 03:48	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:00	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 15:41	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 18:53	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 18:53	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372376	11/03/21 19:48	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 09:35	DEK	TAL PEN

Client Sample ID: 1021-25
Date Collected: 10/27/21 11:15
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 04:15	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:03	TMH	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-25

Date Collected: 10/27/21 11:15
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 15:45	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 19:05	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 19:05	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 09:51	DEK	TAL PEN

Client Sample ID: 1021-15

Date Collected: 10/27/21 12:00
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 04:42	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:07	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 15:49	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 19:17	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 19:17	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 10:08	DEK	TAL PEN

Client Sample ID: 1021-11

Date Collected: 10/27/21 13:25
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 05:08	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:10	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 15:53	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 19:28	E1S	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-11
Date Collected: 10/27/21 13:25
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	371933	10/28/21 19:28	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 10:24	DEK	TAL PEN

Client Sample ID: 1021-09
Date Collected: 10/27/21 14:43
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 05:35	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:13	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 15:57	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 20:27	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 20:27	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 10:40	DEK	TAL PEN

Client Sample ID: 1021-10
Date Collected: 10/27/21 15:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 06:02	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:17	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 16:01	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 20:39	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 20:39	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-10
Date Collected: 10/27/21 15:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			372550	11/05/21 15:29	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372570	11/05/21 20:24	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 12:16	DEK	TAL PEN

Client Sample ID: 1021-14
Date Collected: 10/27/21 09:06
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 06:29	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:27	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 16:04	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 18:30	E1S	FGS SEA
Total/NA	Analysis	300.0		5	371932	10/28/21 18:42	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372205	11/02/21 12:45	FCG	FGS SEA
Total/NA	Prep	SM 5220			372550	11/05/21 15:29	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372570	11/05/21 20:24	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 13:04	DEK	TAL PEN

Client Sample ID: 1021-02
Date Collected: 10/27/21 10:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 06:56	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:30	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 16:08	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 20:50	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 20:50	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372451	11/04/21 14:44	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372605	11/06/21 16:36	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372376	11/03/21 19:48	FCG	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-02
Date Collected: 10/27/21 10:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 13:20	DEK	TAL PEN

Client Sample ID: 1021-05
Date Collected: 10/27/21 11:45
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 07:23	CJ	FGS SEA
Total/NA	Analysis	8260D	DL	10	372309	11/04/21 01:37	TL1	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:33	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 16:12	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 21:02	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 21:02	E1S	FGS SEA
Total/NA	Analysis	300.0		10	371937	10/29/21 12:04	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372555	11/06/21 19:00	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372621	11/06/21 22:32	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372376	11/03/21 19:48	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 13:37	DEK	TAL PEN

Client Sample ID: 1021-04
Date Collected: 10/27/21 13:07
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372199	11/03/21 07:49	CJ	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:37	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 14:55	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 21:14	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 21:14	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372555	11/06/21 19:00	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372621	11/06/21 22:32	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372376	11/03/21 19:48	FCG	FGS SEA

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: 1021-04
Date Collected: 10/27/21 13:07
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 13:51	DEK	TAL PEN

Client Sample ID: 1021-22
Date Collected: 10/27/21 14:15
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372290	11/03/21 17:10	RJF	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:40	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 16:35	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 21:25	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 21:25	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372555	11/06/21 19:00	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372621	11/06/21 22:32	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372376	11/03/21 19:48	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 14:08	DEK	TAL PEN

Client Sample ID: 1021-21
Date Collected: 10/27/21 14:52
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372290	11/03/21 17:36	RJF	FGS SEA
Dissolved	Prep	3005A			372738	11/08/21 18:31	ABP	FGS SEA
Dissolved	Analysis	6010D		1	372863	11/09/21 20:43	TMH	FGS SEA
Total Recoverable	Prep	3005A			372766	11/09/21 09:48	ABP	FGS SEA
Total Recoverable	Analysis	6020B		1	372858	11/09/21 16:39	FCW	FGS SEA
Total/NA	Analysis	300.0		1	371932	10/28/21 21:37	E1S	FGS SEA
Total/NA	Analysis	300.0		1	371933	10/28/21 21:37	E1S	FGS SEA
Total/NA	Prep	Distill/Ammonia			372555	11/06/21 19:00	MLT	FGS SEA
Total/NA	Analysis	350.1		1	372621	11/06/21 22:32	MLT	FGS SEA
Total/NA	Analysis	SM 2320B		1	372465	11/04/21 19:11	MLT	FGS SEA
Total/NA	Analysis	SM 2540C		1	372376	11/03/21 19:48	FCG	FGS SEA
Total/NA	Prep	SM 5220			372353	11/03/21 16:02	MLT	FGS SEA
Total/NA	Analysis	SM 5220D		1	372379	11/03/21 20:59	MLT	FGS SEA
Total/NA	Analysis	SM 5310B		1	555219	11/07/21 14:56	DEK	TAL PEN

Lab Chronicle

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Client Sample ID: Trip Blank

Date Collected: 10/27/21 00:01
Date Received: 10/28/21 14:15

Lab Sample ID: 580-107005-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	372290	11/03/21 18:03	RJF	FGS SEA

Laboratory References:

FGS SEA = Eurofins FGS, Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Laboratory: Eurofins FGS, 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	07-13-22

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
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 TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	11-30-21
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

Sample Summary

Client: SCS Engineers
Project/Site: Coupeville 2Q20

Job ID: 580-107005-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-107005-1	1021-12	Water	10/27/21 09:35	10/28/21 14:15
580-107005-2	1021-13	Water	10/27/21 10:25	10/28/21 14:15
580-107005-3	1021-25	Water	10/27/21 11:15	10/28/21 14:15
580-107005-4	1021-15	Water	10/27/21 12:00	10/28/21 14:15
580-107005-5	1021-11	Water	10/27/21 13:25	10/28/21 14:15
580-107005-6	1021-09	Water	10/27/21 14:43	10/28/21 14:15
580-107005-7	1021-10	Water	10/27/21 15:45	10/28/21 14:15
580-107005-8	1021-14	Water	10/27/21 09:06	10/28/21 14:15
580-107005-9	1021-02	Water	10/27/21 10:45	10/28/21 14:15
580-107005-10	1021-05	Water	10/27/21 11:45	10/28/21 14:15
580-107005-11	1021-04	Water	10/27/21 13:07	10/28/21 14:15
580-107005-12	1021-22	Water	10/27/21 14:15	10/28/21 14:15
580-107005-13	1021-21	Water	10/27/21 14:52	10/28/21 14:15
580-107005-14	Trip Blank	Water	10/27/21 00:01	10/28/21 14:15

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

580-107005 Chain of Custody

Environment Testing America

Client Information	Sampler: Sam G. & AL	Lab PM: Lewis, Nathan A		13705.2
Client Contact: Mr. Sam Graber	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin:	Page: Page ~~2~~ 1 of 2
Company: SCS Engineers	PWSID:	Analysis Requested		Job #: 04207033.14
Address: 2405 140th Avenue NE Suite 107	Due Date Requested: Standard			Preservation Codes:
City: Bellevue	TAT Requested (days):			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 Z - other (specify)
State, Zip: WA, 98005-1877	Compliance Project: Δ Yes Δ No			
Phone: 425-289-5455(Tel)	PO #: Purchase Order not required			Other:
Email: SGraber@scsengineers.com	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Washington	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, 5220D	2320B, 300.0_28D, 300_48HR	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	R260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	~~300_48HR - Nitrate/Nitrite~~	~~353.2~~ - (MOD) ~~Nitrogen, Nitrate-Nitrite~~	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	D	D	S	A	N	N	S	X	
1021-12	10/27/21	935	6	Water	Y	N	X	X	X	X	X	X	X			10	* Please report
1021-13		1025		Water													Nitrate as Nitrate/
1021-25		1115		Water													Nitrite combined
1021-15		1200		Water													using Method 300.0
1021-11		1325		Water													
1021-09		1443		Water													
1021-10		1545		Water													
1021-14		906		Water													
1021-02		1045		Water													
1021-05		1145		Water													
1021-04		1307		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		10/28/21	SCS		10/28/21 1405	EFG
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:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SG & AL	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-45542-13705.3
Client Contact: Mr. Sam Graber	Phone: 425-766-3362	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin:	Page: ~~Page 3 of 3~~ 2 of 2
Company: SCS Engineers	PWSID:			Job #: 04207033.14
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: 425-289-5455(Tel)	PO #: Purchase Order not required			
Email: SGraber@scsengineers.com	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Washington	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	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, 5220D	2320B, 300.0_28D, 300_48HR *	6020A_LL - Total Metals	6010C - Field Filtered Metals (Ca,Fe,Mg,Mn,K,Na)	SM5310_TOC_B - Organic Carbon, Total (TOC)	8260C_LL - Volatiles, custom list, low level	2540C - Solids, Total Dissolved (TDS)	~~300_48HR - Nitrate/Nitrite~~	~~353.2 - (MCD) Nitrogen, Nitrate-Nitrite~~	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S	N	D	D	S	A	N	N	S	X	
1021 - 22	10/27/21	1415	G	Water	Y	N	X	X	X	X	X	X	X			10	* Please report
1021 - 21	↓	1452	↓	Water	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓	N+N as
Trip blank	↓	-	↓	Water	↓	↓	↓	↓	↓	↓	↓	↓	↓			↓	N+N combined
				Water													using Method
				Water													300.0
				Water													
				Water													
				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
		10/28/21	SCS		10/28/21 1415	EFGS
	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:

Therm. ID: IR9 Cor: 3.6 ° Unc: 3.4 °
Cooler Dsc:_____
Packing:_____
Cust. Seal: Yes___No____
Blue Ice, Wet, Dry, None
FedEx:_____
UPS:_____
Lab Cour:_____
Other:_____

Therm. ID: IR9 Cor: 5.3 ° Unc: 5.1 °
Cooler Dsc:_____
Packing:_____
Cust. Seal: Yes___No____
Blue Ice, Wet, Dry, None
FedEx:_____
UPS:_____
Lab Cour:_____
Other:_____

Therm. ID: IR9 Cor: 3.6 ° Unc: 3.4 °
Cooler Dsc:_____
Packing:_____
Cust. Seal: Yes___No____
Blue Ice, Wet, Dry, None
FedEx:_____
UPS:_____
Lab Cour:_____
Other:_____

Therm. ID: A1 Cor: 2.8 ° Unc: 2.1 °
Cooler Dsc:_____
Packing:_____
Cust. Seal: Yes___No____
Blue Ice, Wet, Dry, None
FedEx:_____
UPS:_____
Lab Cour:_____
Other:_____

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-96493.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: Washington	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 580-107005-1
Address: 3355 McLemore Drive,	Due Date Requested: 11/10/2021			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Island County-CSWF-Q1 & Q3	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 - 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)	SM5310B/ Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1021-12 (580-107005-1)	10/27/21	09:35 Pacific		Water			X	1	
1021-13 (580-107005-2)	10/27/21	10:25 Pacific		Water			X	1	
1021-25 (580-107005-3)	10/27/21	11:15 Pacific		Water			X	1	
1021-15 (580-107005-4)	10/27/21	12:00 Pacific		Water			X	1	
1021-11 (580-107005-5)	10/27/21	13:25 Pacific		Water			X	1	
1021-09 (580-107005-6)	10/27/21	14:43 Pacific		Water			X	1	
1021-10 (580-107005-7)	10/27/21	15:45 Pacific		Water			X	1	
1021-14 (580-107005-8)	10/27/21	09:06 Pacific		Water			X	1	
1021-02 (580-107005-9)	10/27/21	10:45 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out 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 Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Frontier Global Sciences 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]	11/02/21 1410	EFGS	[signature]	11-4-21 9.30	
	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: 0.6°C TR8

Ver: 06/08/2021

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424
Phone: 253-922-2310 Fax: 425-420-9210

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lewis, Nathan A	Carrier Tracking No(s):	COC No: 580-96493.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Nathan.Lewis@Eurofinset.com	State of Origin: Washington	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Washington		Job #: 580-107005-1
Address: 3355 McLemore Drive,	Due Date Requested: 11/10/2021			
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: Coupeville 2Q20	Project #: 58009563			
Site: Island County-CSWF-Q1 & Q3	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 - 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)	SM5310B/ Organic Carbon, Total (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
1021-05 (580-107005-10)	10/27/21	11:45 Pacific		Water			X	1	
1021-04 (580-107005-11)	10/27/21	13:07 Pacific		Water			X	1	
1021-22 (580-107005-12)	10/27/21	14:15 Pacific		Water			X	1	
1021-21 (580-107005-13)	10/27/21	14:52 Pacific		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Frontier Global Sciences LLC places the ownership of method, analyte & accreditation compliance upon out 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 Frontier Global Sciences LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Frontier Global Sciences LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Frontier Global Sciences 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: 11/2/21 1410	Company EFGS	Received by:	Date/Time: 11-4-21 9:31	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: 0.6°C IR8

Ver: 06/08/2021

11/11/2021

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 580-107005-1

Login Number: 107005
List Number: 1
Creator: Blankinship, Tom X

List Source: Eurofins FGS, 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: 580-107005-1

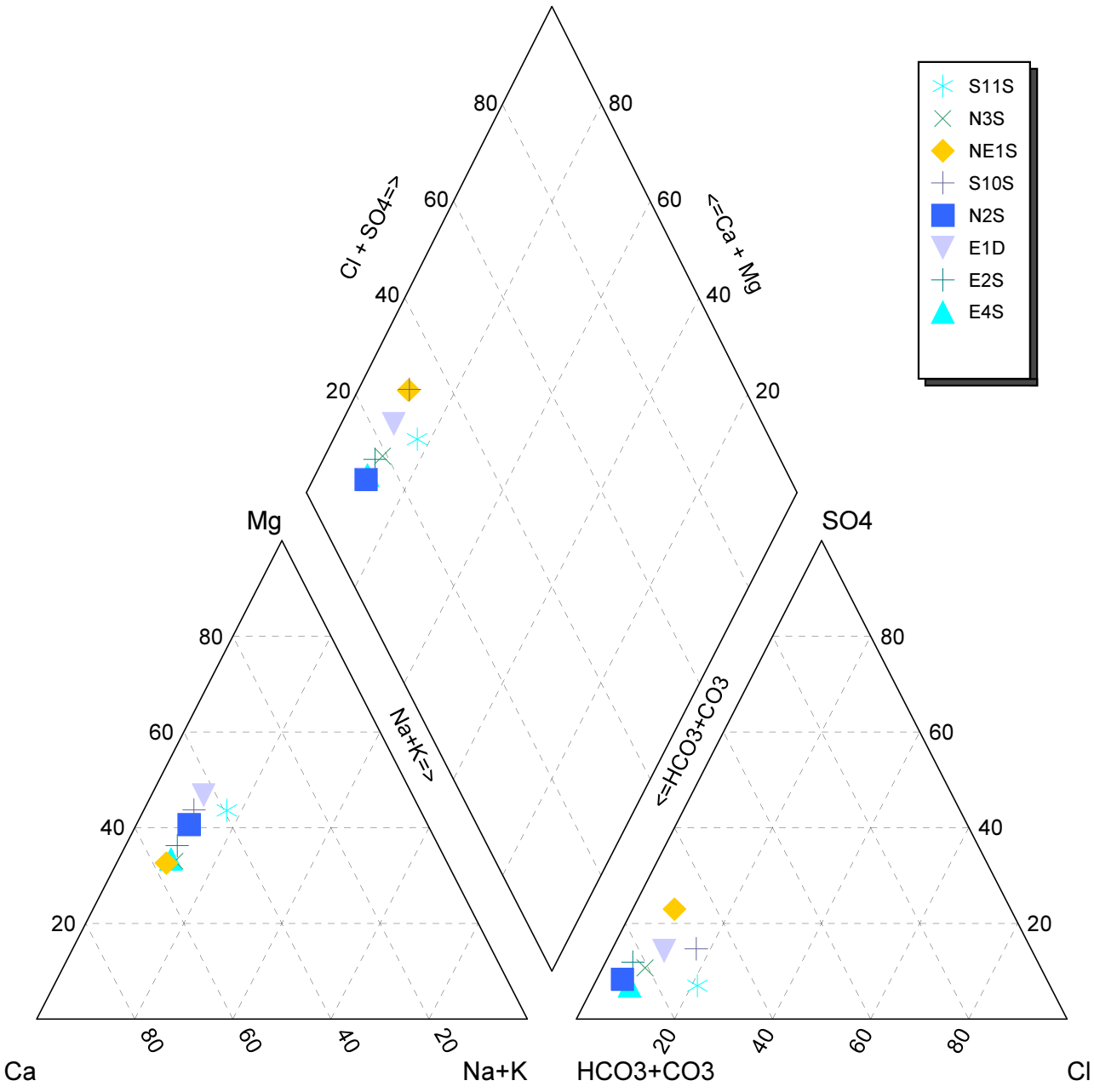
Login Number: 107005
List Number: 2
Creator: Johnson, Avery D

List Source: Eurofins TestAmerica, Pensacola
List Creation: 11/04/21 11:56 AM

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.	N/A	
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	0.6°C IR8
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.	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

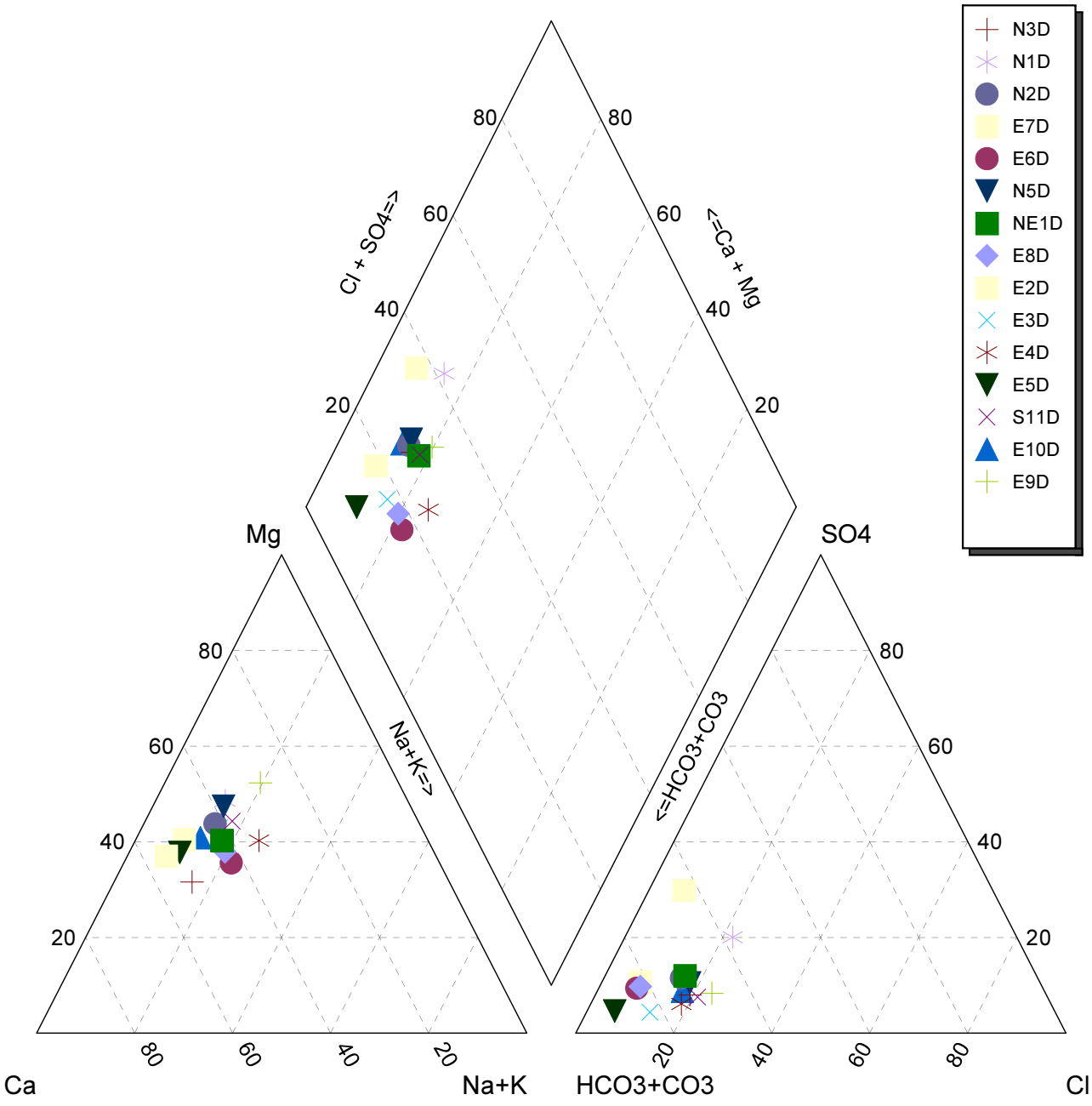
Appendix C

2021 Groundwater Geochemical Evaluation



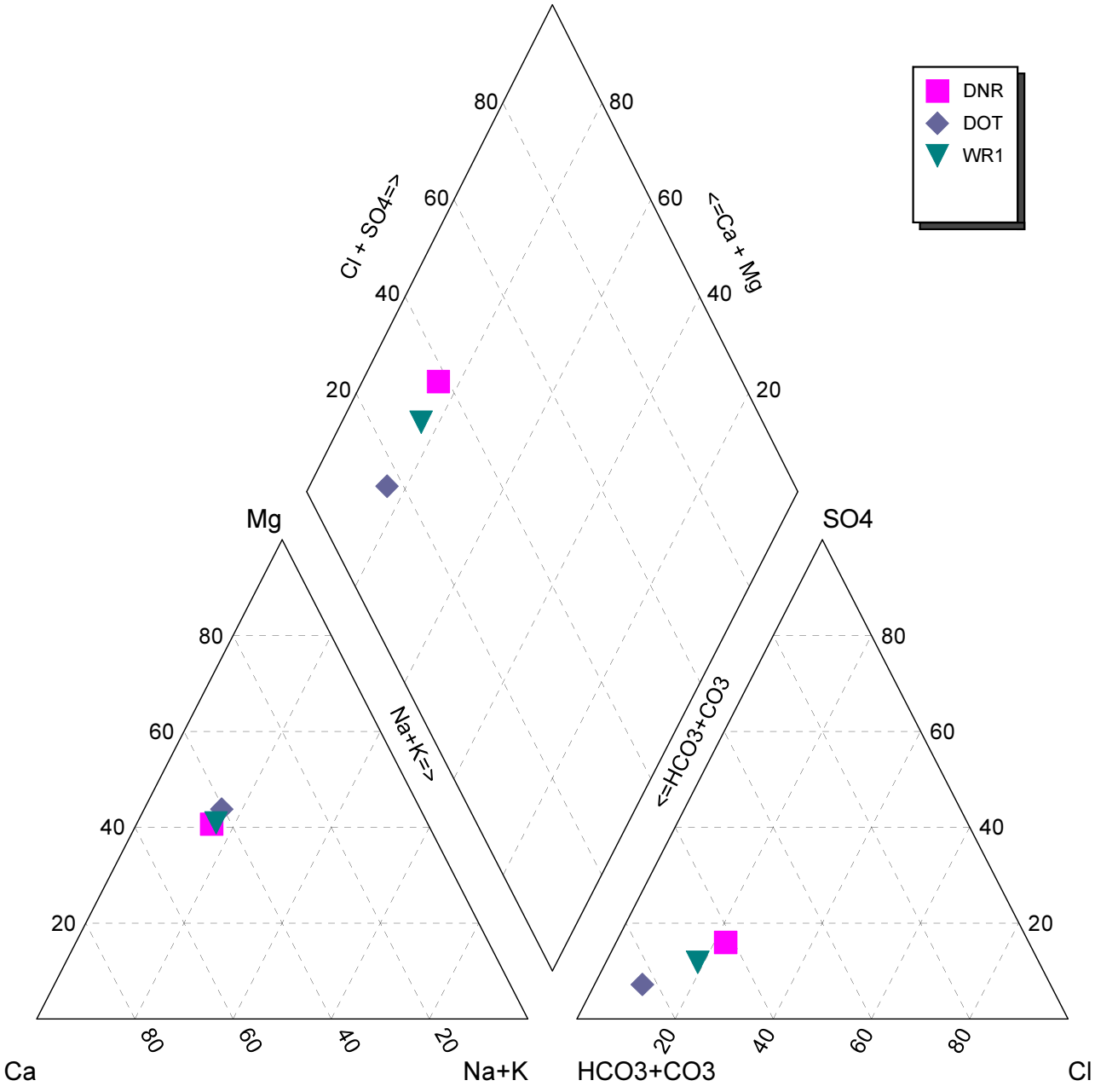
DESCRIPTION: 2Q21 Piper Plot - Aquifer 1

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04207033.14
	CLIENT: Island County Public Works	DATE: January 2022



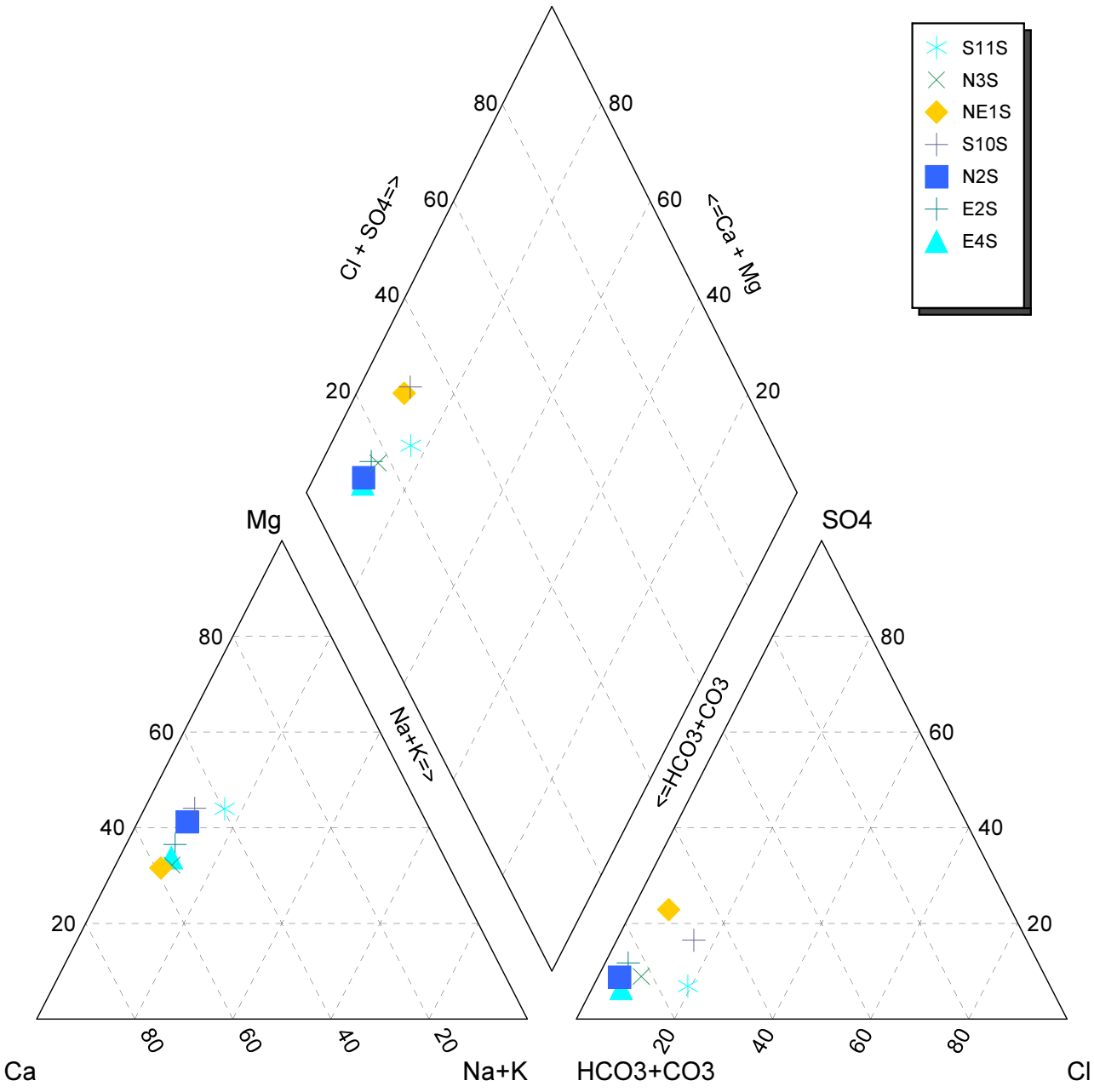
DESCRIPTION: 2Q21 Piper Plot - Aquifer 2

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04207033.14
	CLIENT: Island County Public Works	DATE: January 2022



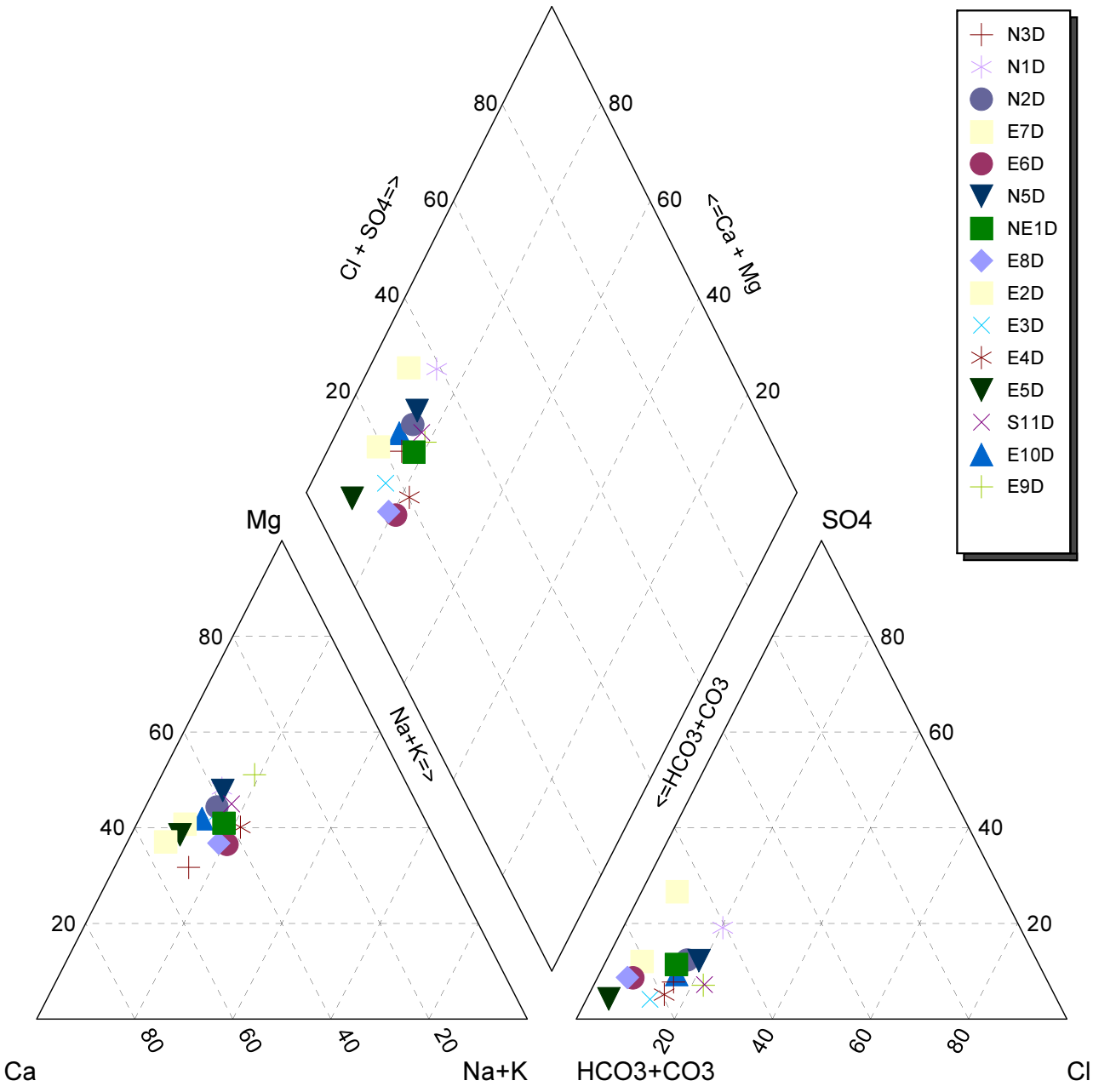
DESCRIPTION: 2Q21 Piper Plot - Water Supply Wells

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04207033.14
	CLIENT: Island County Public Works	DATE: January 2022



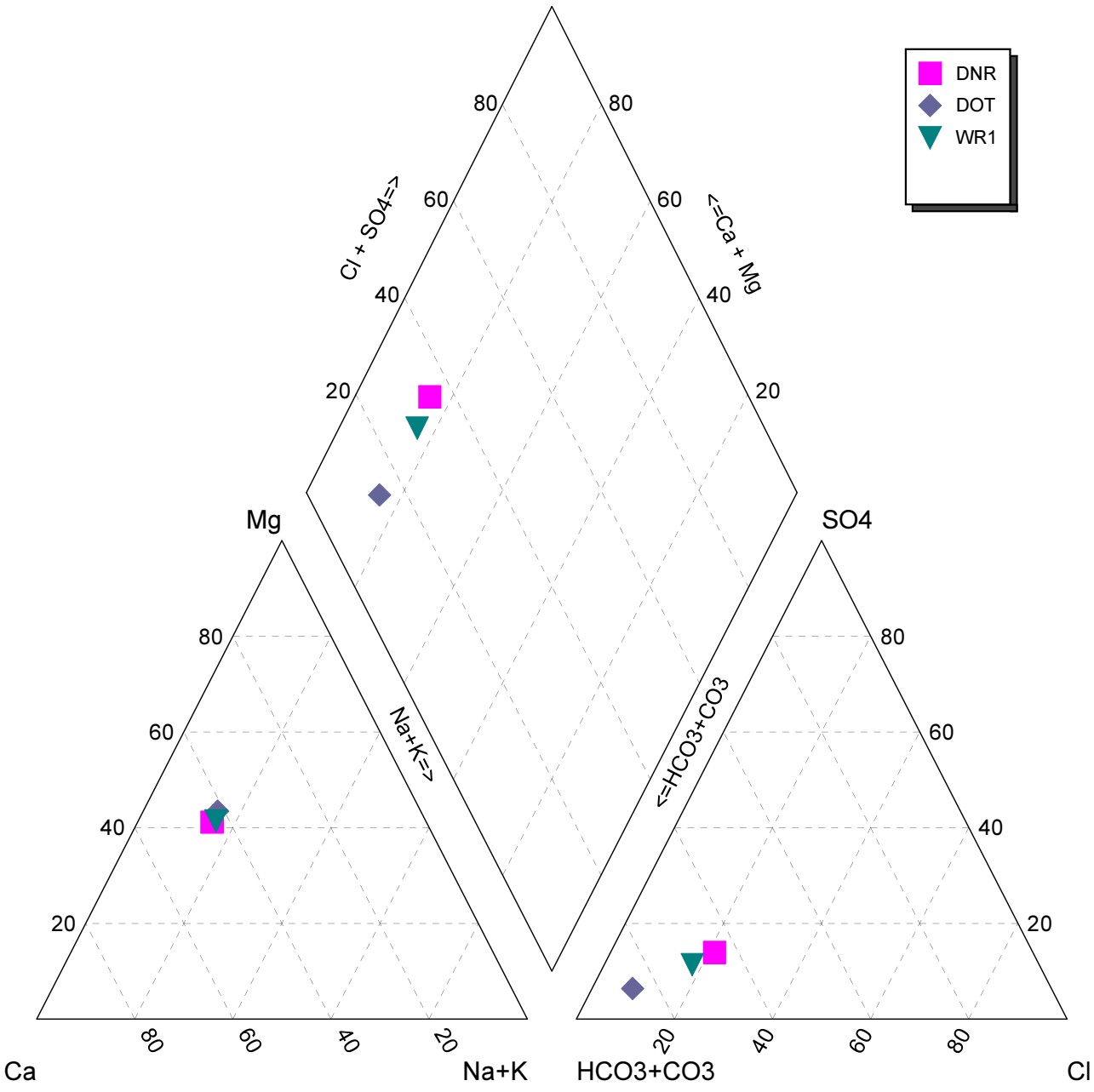
DESCRIPTION: 4Q21 Piper Plot - Aquifer 1

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04207033.14
	CLIENT: Island County Public Works	DATE: January 2022



DESCRIPTION: 4Q21 Piper Plot - Aquifer 2

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04207033.14
	CLIENT: Island County Public Works	DATE: January 2022



DESCRIPTION: 4Q21 Piper Plot - Water Supply Wells

	PROJECT: Coupeville Solid Waste Facility	PROJECT NO: 04207033.14
	CLIENT: Island County Public Works	DATE: January 2022

Cation/Anion Balance

Location	DNR
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.80	0.148	
Ca	0.04990	84.00	4.19	
Mg	0.08229	47.00	3.87	
		Sum of Cations	9.51	meq/L
Cl	0.02821	73.00	2.06	
SO4	0.02082	71.00	1.48	
NO3	0.01613	0.54	0.01	
HCO3	0.01639	348.00	5.70	
		Sum of Anions	9.25	meq/L
Balance (% difference) *			1.40	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	DOT
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	0.71	0	
Mn	0.0364	0.16	0.0058	
K	0.02258	6.90	0.176	
Ca	0.04990	67.00	3.34	
Mg	0.08229	44.00	3.62	
		Sum of Cations	8.28	meq/L
Cl	0.02821	27.00	0.76	
SO4	0.02082	27.00	0.56	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	396.00	6.49	
		Sum of Anions	7.82	meq/L
Balance (% difference) *			2.86	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E10D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	31.00	1.35	
Fe	0.03581	0.9	0	
Mn	0.0364	0.08	0.0029	
K	0.02258	7.70	0.197	
Ca	0.04990	110.00	5.49	
Mg	0.08229	59.00	4.85	
		Sum of Cations	11.9	meq/L
Cl	0.02821	69.00	1.95	
SO4	0.02082	47.00	0.98	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	504.00	8.26	
		Sum of Anions	11.19	meq/L
Balance (% difference) *			3.05	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E1D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	46.00	2.00	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.052	0.0019	
K	0.02258	9.60	0.246	
Ca	0.04990	180.00	8.98	
Mg	0.08229	120.00	9.87	
		Sum of Cations	21.1	meq/L
Cl	0.02821	78.00	2.20	
SO4	0.02082	140.00	2.92	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	936.00	15.34	
		Sum of Anions	20.46	meq/L
Balance (% difference) *			1.55	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2D
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	36.00	1.57	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.064	0.0023	
K	0.02258	8.70	0.223	
Ca	0.04990	180.00	8.98	
Mg	0.08229	89.00	7.32	
		Sum of Cations	18.1	meq/L
Cl	0.02821	42.00	1.18	
SO4	0.02082	78.00	1.63	
NO3	0.01613	8.80	0.14	
HCO3	0.01639	756.00	12.39	
		Sum of Anions	15.34	meq/L
Balance (% difference) *			8.24	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2S
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	32.00	1.39	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.5	0.0182	
K	0.02258	7.40	0.189	
Ca	0.04990	160.00	7.98	
Mg	0.08229	66.00	5.43	
		Sum of Cations	15.0	meq/L
Cl	0.02821	25.00	0.71	
SO4	0.02082	72.00	1.50	
NO3	0.01613	8.30	0.13	
HCO3	0.01639	636.00	10.42	
		Sum of Anions	12.76	meq/L
Balance (% difference) *			8.11	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E3D
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	28.00	1.22	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.29	0.0106	
K	0.02258	6.90	0.176	
Ca	0.04990	73.00	3.64	
Mg	0.08229	46.00	3.79	
		Sum of Cations	8.83	meq/L
Cl	0.02821	35.00	0.99	
SO4	0.02082	16.00	0.33	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	384.00	6.29	
		Sum of Anions	7.62	meq/L
Balance (% difference) *			7.39	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	28.00	1.22	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.067	0.0024	
K	0.02258	11.00	0.281	
Ca	0.04990	41.00	2.05	
Mg	0.08229	29.00	2.39	
		Sum of Cations	5.93	meq/L
Cl	0.02821	36.00	1.02	
SO4	0.02082	16.00	0.33	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	252.00	4.13	
		Sum of Anions	5.48	meq/L
Balance (% difference) *			3.96	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4S
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	31.00	1.35	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	6.80	0.174	
Ca	0.04990	160.00	7.98	
Mg	0.08229	58.00	4.77	
		Sum of Cations	14.28	meq/L
Cl	0.02821	33.00	0.93	
SO4	0.02082	42.00	0.88	
NO3	0.01613	5.30	0.09	
HCO3	0.01639	660.00	10.82	
		Sum of Anions	12.7	meq/L
Balance (% difference) *			5.82	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E5D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	34.00	1.48	
Fe	0.03581	1.8	0	
Mn	0.0364	0.27	0.0098	
K	0.02258	8.20	0.210	
Ca	0.04990	170.00	8.48	
Mg	0.08229	75.00	6.17	
		Sum of Cations	16.35	meq/L
Cl	0.02821	29.00	0.82	
SO4	0.02082	32.00	0.67	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	792.00	12.98	
		Sum of Anions	14.47	meq/L
Balance (% difference) *			6.12	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E6D
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	35.00	1.52	
Fe	0.03581	1.7	0	
Mn	0.0364	0.59	0.0215	
K	0.02258	6.00	0.153	
Ca	0.04990	65.00	3.24	
Mg	0.08229	33.00	2.72	
		Sum of Cations	7.66	meq/L
Cl	0.02821	19.00	0.54	
SO4	0.02082	31.00	0.65	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	348.00	5.70	
		Sum of Anions	6.89	meq/L
Balance (% difference) *			5.28	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E7D
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	39.00	1.70	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.79	0.0288	
K	0.02258	9.90	0.253	
Ca	0.04990	270.00	13.47	
Mg	0.08229	110.00	9.05	
		Sum of Cations	24.5	meq/L
Cl	0.02821	60.00	1.69	
SO4	0.02082	340.00	7.08	
NO3	0.01613	1.10	0.02	
HCO3	0.01639	912.00	14.95	
		Sum of Anions	23.74	meq/L
Balance (% difference) *			1.58	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E8D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	24.00	1.04	
Fe	0.03581	1.2	0	
Mn	0.0364	0.3	0.0109	
K	0.02258	5.60	0.143	
Ca	0.04990	52.00	2.59	
Mg	0.08229	28.00	2.30	
		Sum of Cations	6.1	meq/L
Cl	0.02821	17.00	0.48	
SO4	0.02082	27.00	0.56	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	288.00	4.72	
		Sum of Anions	5.77	meq/L
Balance (% difference) *			2.80	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E9D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	16.00	0.70	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.042	0.0015	
K	0.02258	16.00	0.409	
Ca	0.04990	32.00	1.60	
Mg	0.08229	36.00	2.96	
		Sum of Cations	5.67	meq/L
Cl	0.02821	46.00	1.30	
SO4	0.02082	22.00	0.46	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	228.00	3.74	
		Sum of Anions	5.5	meq/L
Balance (% difference) *			1.53	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N1D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	47.00	2.04	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.31	0.0113	
K	0.02258	9.60	0.246	
Ca	0.04990	120.00	5.99	
Mg	0.08229	95.00	7.82	
		Sum of Cations	16.1	meq/L
Cl	0.02821	130.00	3.67	
SO4	0.02082	160.00	3.33	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	588.00	9.64	
		Sum of Anions	16.64	meq/L
Balance (% difference) *			-1.63	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2D
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	39.00	1.70	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	8.50	0.217	
Ca	0.04990	110.00	5.49	
Mg	0.08229	70.00	5.76	
		Sum of Cations	13.16	meq/L
Cl	0.02821	70.00	1.97	
SO4	0.02082	69.00	1.44	
NO3	0.01613	3.70	0.06	
HCO3	0.01639	552.00	9.05	
		Sum of Anions	12.52	meq/L
Balance (% difference) *			2.51	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2S
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	9.40	0.240	
Ca	0.04990	140.00	6.99	
Mg	0.08229	71.00	5.84	
		Sum of Cations	14.37	meq/L
Cl	0.02821	23.00	0.65	
SO4	0.02082	50.00	1.04	
NO3	0.01613	7.40	0.12	
HCO3	0.01639	660.00	10.82	
		Sum of Anions	12.63	meq/L
Balance (% difference) *			6.47	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3D
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	22.00	0.96	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.03	0.0011	
K	0.02258	6.40	0.164	
Ca	0.04990	74.00	3.69	
Mg	0.08229	27.00	2.22	
		Sum of Cations	7.04	meq/L
Cl	0.02821	50.00	1.41	
SO4	0.02082	28.00	0.58	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	324.00	5.31	
		Sum of Anions	7.3	meq/L
Balance (% difference) *			-1.89	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3S
Sample Date	4/19/2021

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	6.20	0.159	
Ca	0.04990	130.00	6.49	
Mg	0.08229	47.00	3.87	
		Sum of Cations	11.73	meq/L
Cl	0.02821	33.00	0.93	
SO4	0.02082	55.00	1.15	
NO3	0.01613	7.00	0.11	
HCO3	0.01639	528.00	8.65	
		Sum of Anions	10.84	meq/L
Balance (% difference) *			3.94	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N5D
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	50.00	2.17	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.16	0.0058	
K	0.02258	11.00	0.281	
Ca	0.04990	130.00	6.49	
Mg	0.08229	98.00	8.06	
		Sum of Cations	17.0	meq/L
Cl	0.02821	95.00	2.68	
SO4	0.02082	75.00	1.56	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	648.00	10.62	
		Sum of Anions	14.87	meq/L
Balance (% difference) *			6.74	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1D
Sample Date	4/19/2021

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	6.40	0.164	
Ca	0.04990	62.00	3.09	
Mg	0.08229	36.00	2.96	
		Sum of Cations	7.35	meq/L
Cl	0.02821	38.00	1.07	
SO4	0.02082	38.00	0.79	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	288.00	4.72	
		Sum of Anions	6.59	meq/L
Balance (% difference) *			5.49	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1S
Sample Date	4/19/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	19.00	0.83	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.80	0.148	
Ca	0.04990	110.00	5.49	
Mg	0.08229	38.00	3.13	
		Sum of Cations	9.6	meq/L
Cl	0.02821	26.00	0.73	
SO4	0.02082	95.00	1.98	
NO3	0.01613	7.80	0.13	
HCO3	0.01639	360.00	5.90	
		Sum of Anions	8.74	meq/L
Balance (% difference) *			4.65	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S10S
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	27.00	1.17	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	6.20	0.159	
Ca	0.04990	120.00	5.99	
Mg	0.08229	69.00	5.68	
		Sum of Cations	13.0	meq/L
Cl	0.02821	63.00	1.78	
SO4	0.02082	73.00	1.52	
NO3	0.01613	21.00	0.34	
HCO3	0.01639	432.00	7.08	
		Sum of Anions	10.72	meq/L
Balance (% difference) *			9.63	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11D
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	38.00	1.65	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.17	0.0062	
K	0.02258	7.60	0.194	
Ca	0.04990	79.00	3.94	
Mg	0.08229	56.00	4.61	
		Sum of Cations	10.4	meq/L
Cl	0.02821	68.00	1.92	
SO4	0.02082	33.00	0.69	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	396.00	6.49	
		Sum of Anions	9.1	meq/L
Balance (% difference) *			6.69	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11S
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	38.00	1.65	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.22	0.0080	
K	0.02258	7.00	0.179	
Ca	0.04990	85.00	4.24	
Mg	0.08229	57.00	4.69	
		Sum of Cations	10.77	meq/L
Cl	0.02821	72.00	2.03	
SO4	0.02082	32.00	0.67	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	420.00	6.88	
		Sum of Anions	9.58	meq/L
Balance (% difference) *			5.84	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	WR1
Sample Date	4/20/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	33.00	1.44	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.80	0.148	
Ca	0.04990	85.00	4.24	
Mg	0.08229	49.00	4.03	
		Sum of Cations	9.86	meq/L
Cl	0.02821	62.00	1.75	
SO4	0.02082	53.00	1.10	
NO3	0.01613	2.00	0.03	
HCO3	0.01639	396.00	6.49	
		Sum of Anions	9.38	meq/L
Balance (% difference) *			2.51	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	DNR
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.60	0.143	
Ca	0.04990	84.00	4.19	
Mg	0.08229	48.00	3.95	
		Sum of Cations	9.59	meq/L
Cl	0.02821	66.00	1.86	
SO4	0.02082	59.00	1.23	
NO3	0.01613	0.43	0.01	
HCO3	0.01639	348.00	5.70	
		Sum of Anions	8.8	meq/L
Balance (% difference) *			4.29	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	DOT
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	24.00	1.04	
Fe	0.03581	0.44	0	
Mn	0.0364	0.16	0.0058	
K	0.02258	6.40	0.164	
Ca	0.04990	66.00	3.29	
Mg	0.08229	42.00	3.46	
		Sum of Cations	7.96	meq/L
Cl	0.02821	23.00	0.65	
SO4	0.02082	24.00	0.50	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	408.00	6.69	
		Sum of Anions	7.84	meq/L
Balance (% difference) *			0.79	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E10D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	28.00	1.22	
Fe	0.03581	0.86	0	
Mn	0.0364	0.08	0.0029	
K	0.02258	7.30	0.187	
Ca	0.04990	100.00	4.99	
Mg	0.08229	56.00	4.61	
		Sum of Cations	11.0	meq/L
Cl	0.02821	59.00	1.66	
SO4	0.02082	47.00	0.98	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	480.00	7.87	
		Sum of Anions	10.51	meq/L
Balance (% difference) *			2.29	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2D
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	34.00	1.48	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.058	0.0021	
K	0.02258	8.20	0.210	
Ca	0.04990	170.00	8.48	
Mg	0.08229	85.00	6.99	
		Sum of Cations	17.17	meq/L
Cl	0.02821	37.00	1.04	
SO4	0.02082	82.00	1.71	
NO3	0.01613	9.40	0.15	
HCO3	0.01639	696.00	11.41	
		Sum of Anions	14.3	meq/L
Balance (% difference) *			9.08	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E2S
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.49	0.0178	
K	0.02258	7.00	0.179	
Ca	0.04990	160.00	7.98	
Mg	0.08229	66.00	5.43	
		Sum of Cations	14.92	meq/L
Cl	0.02821	21.00	0.59	
SO4	0.02082	70.00	1.46	
NO3	0.01613	6.30	0.10	
HCO3	0.01639	636.00	10.42	
		Sum of Anions	12.58	meq/L
Balance (% difference) *			8.52	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E3D
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	26.00	1.13	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.27	0.0098	
K	0.02258	6.50	0.166	
Ca	0.04990	71.00	3.54	
Mg	0.08229	45.00	3.70	
		Sum of Cations	8.55	meq/L
Cl	0.02821	35.00	0.99	
SO4	0.02082	15.00	0.31	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	384.00	6.29	
		Sum of Anions	7.6	meq/L
Balance (% difference) *			5.92	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	25.00	1.09	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.081	0.0029	
K	0.02258	11.00	0.281	
Ca	0.04990	49.00	2.45	
Mg	0.08229	31.00	2.55	
		Sum of Cations	6.37	meq/L
Cl	0.02821	31.00	0.87	
SO4	0.02082	14.00	0.29	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	276.00	4.52	
		Sum of Anions	5.69	meq/L
Balance (% difference) *			5.60	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E4S
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	29.00	1.26	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	6.20	0.159	
Ca	0.04990	150.00	7.49	
Mg	0.08229	55.00	4.53	
		Sum of Cations	13.43	meq/L
Cl	0.02821	26.00	0.73	
SO4	0.02082	38.00	0.79	
NO3	0.01613	5.90	0.10	
HCO3	0.01639	660.00	10.82	
		Sum of Anions	12.44	meq/L
Balance (% difference) *			3.85	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E5D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	33.00	1.44	
Fe	0.03581	1.9	0	
Mn	0.0364	0.27	0.0098	
K	0.02258	8.00	0.205	
Ca	0.04990	170.00	8.48	
Mg	0.08229	77.00	6.34	
		Sum of Cations	16.47	meq/L
Cl	0.02821	24.00	0.68	
SO4	0.02082	30.00	0.63	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	828.00	13.57	
		Sum of Anions	14.88	meq/L
Balance (% difference) *			5.09	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E6D
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	33.00	1.44	
Fe	0.03581	1.7	0	
Mn	0.0364	0.51	0.0186	
K	0.02258	5.60	0.143	
Ca	0.04990	66.00	3.29	
Mg	0.08229	34.00	2.80	
		Sum of Cations	7.69	meq/L
Cl	0.02821	18.00	0.51	
SO4	0.02082	29.00	0.60	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	360.00	5.90	
		Sum of Anions	7.02	meq/L
Balance (% difference) *			4.58	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E7D
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	38.00	1.65	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.76	0.0277	
K	0.02258	9.60	0.246	
Ca	0.04990	270.00	13.47	
Mg	0.08229	110.00	9.05	
		Sum of Cations	24.45	meq/L
Cl	0.02821	54.00	1.52	
SO4	0.02082	270.00	5.63	
NO3	0.01613	0.72	0.01	
HCO3	0.01639	852.00	13.96	
		Sum of Anions	21.12	meq/L
Balance (% difference) *			7.30	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E8D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	23.00	1.00	
Fe	0.03581	1.3	0	
Mn	0.0364	0.3	0.0109	
K	0.02258	5.30	0.136	
Ca	0.04990	54.00	2.69	
Mg	0.08229	27.00	2.22	
		Sum of Cations	6.06	meq/L
Cl	0.02821	13.00	0.37	
SO4	0.02082	25.00	0.52	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	312.00	5.11	
		Sum of Anions	6.0	meq/L
Balance (% difference) *			0.49	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	E9D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	15.00	0.65	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.038	0.0014	
K	0.02258	15.00	0.384	
Ca	0.04990	33.00	1.65	
Mg	0.08229	34.00	2.80	
		Sum of Cations	5.48	meq/L
Cl	0.02821	42.00	1.18	
SO4	0.02082	18.00	0.38	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	228.00	3.74	
		Sum of Anions	5.3	meq/L
Balance (% difference) *			1.69	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N1D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	44.00	1.91	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.32	0.0116	
K	0.02258	9.10	0.233	
Ca	0.04990	120.00	5.99	
Mg	0.08229	92.00	7.57	
		Sum of Cations	15.72	meq/L
Cl	0.02821	110.00	3.10	
SO4	0.02082	140.00	2.92	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	564.00	9.24	
		Sum of Anions	15.27	meq/L
Balance (% difference) *			1.46	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	40.00	1.74	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	8.40	0.215	
Ca	0.04990	110.00	5.49	
Mg	0.08229	72.00	5.92	
		Sum of Cations	13.37	meq/L
Cl	0.02821	71.00	2.00	
SO4	0.02082	72.00	1.50	
NO3	0.01613	3.70	0.06	
HCO3	0.01639	528.00	8.65	
		Sum of Anions	12.22	meq/L
Balance (% difference) *			4.51	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N2S
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	30.00	1.30	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	9.40	0.240	
Ca	0.04990	150.00	7.49	
Mg	0.08229	77.00	6.34	
		Sum of Cations	15.37	meq/L
Cl	0.02821	22.00	0.62	
SO4	0.02082	59.00	1.23	
NO3	0.01613	6.60	0.11	
HCO3	0.01639	744.00	12.19	
		Sum of Anions	14.15	meq/L
Balance (% difference) *			4.13	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3D
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	20.00	0.87	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.025	0.0009	
K	0.02258	6.00	0.153	
Ca	0.04990	72.00	3.59	
Mg	0.08229	26.00	2.14	
		Sum of Cations	6.76	meq/L
Cl	0.02821	38.00	1.07	
SO4	0.02082	25.00	0.52	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	312.00	5.11	
		Sum of Anions	6.71	meq/L
Balance (% difference) *			0.35	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N3S
Sample Date	10/26/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	27.00	1.17	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	6.00	0.153	
Ca	0.04990	130.00	6.49	
Mg	0.08229	45.00	3.70	
		Sum of Cations	11.52	meq/L
Cl	0.02821	32.00	0.90	
SO4	0.02082	44.00	0.92	
NO3	0.01613	7.20	0.12	
HCO3	0.01639	516.00	8.46	
		Sum of Anions	10.4	meq/L
Balance (% difference) *			5.14	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	N5D
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	45.00	1.96	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.15	0.0055	
K	0.02258	9.60	0.246	
Ca	0.04990	120.00	5.99	
Mg	0.08229	91.00	7.49	
		Sum of Cations	15.7	meq/L
Cl	0.02821	94.00	2.65	
SO4	0.02082	82.00	1.71	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	588.00	9.64	
		Sum of Anions	14.0	meq/L
Balance (% difference) *			5.68	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1D
Sample Date	10/27/2021

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	60.00	2.99	
Mg	0.08229	36.00	2.96	
		Sum of Cations	7.24	meq/L
Cl	0.02821	36.00	1.02	
SO4	0.02082	38.00	0.79	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	312.00	5.11	
		Sum of Anions	6.92	meq/L
Balance (% difference) *			2.21	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	NE1S
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	19.00	0.83	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.70	0.146	
Ca	0.04990	120.00	5.99	
Mg	0.08229	39.00	3.21	
		Sum of Cations	10.17	meq/L
Cl	0.02821	23.00	0.65	
SO4	0.02082	96.00	2.00	
NO3	0.01613	7.90	0.13	
HCO3	0.01639	372.00	6.10	
		Sum of Anions	8.87	meq/L
Balance (% difference) *			6.81	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S10S
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	27.00	1.17	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	6.10	0.156	
Ca	0.04990	120.00	5.99	
Mg	0.08229	70.00	5.76	
		Sum of Cations	13.08	meq/L
Cl	0.02821	55.00	1.55	
SO4	0.02082	78.00	1.63	
NO3	0.01613	25.00	0.40	
HCO3	0.01639	408.00	6.69	
		Sum of Anions	10.27	meq/L
Balance (% difference) *			12.05	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11D
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	37.00	1.61	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.14	0.0051	
K	0.02258	7.40	0.189	
Ca	0.04990	79.00	3.94	
Mg	0.08229	57.00	4.69	
		Sum of Cations	10.44	meq/L
Cl	0.02821	74.00	2.09	
SO4	0.02082	32.00	0.67	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	396.00	6.49	
		Sum of Anions	9.25	meq/L
Balance (% difference) *			6.04	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	S11S
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	35.00	1.52	
Fe	0.03581	<0.15	<0	
Mn	0.0364	0.19	0.0069	
K	0.02258	6.50	0.166	
Ca	0.04990	82.00	4.09	
Mg	0.08229	55.00	4.53	
		Sum of Cations	10.31	meq/L
Cl	0.02821	62.00	1.75	
SO4	0.02082	30.00	0.63	
NO3	0.01613	<0.20	<0.00	
HCO3	0.01639	408.00	6.69	
		Sum of Anions	9.06	meq/L
Balance (% difference) *			6.45	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Cation/Anion Balance

Location	WR1
Sample Date	10/27/2021

Major Ions	Conversion Factor +	mg/l	meq/l	
Na	0.04350	31.00	1.35	
Fe	0.03581	<0.15	<0	
Mn	0.0364	<0.01	<0.0004	
K	0.02258	5.20	0.133	
Ca	0.04990	80.00	3.99	
Mg	0.08229	47.00	3.87	
		Sum of Cations	9.34	meq/L
Cl	0.02821	55.00	1.55	
SO4	0.02082	47.00	0.98	
NO3	0.01613	1.70	0.03	
HCO3	0.01639	372.00	6.10	
		Sum of Anions	8.65	meq/L
Balance (% difference) *			3.82	%

+ mg/l to meq/l

* [(Total anions - Total cations) / (Total anions + Total cations)]*100

Table C1 - pH Times Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

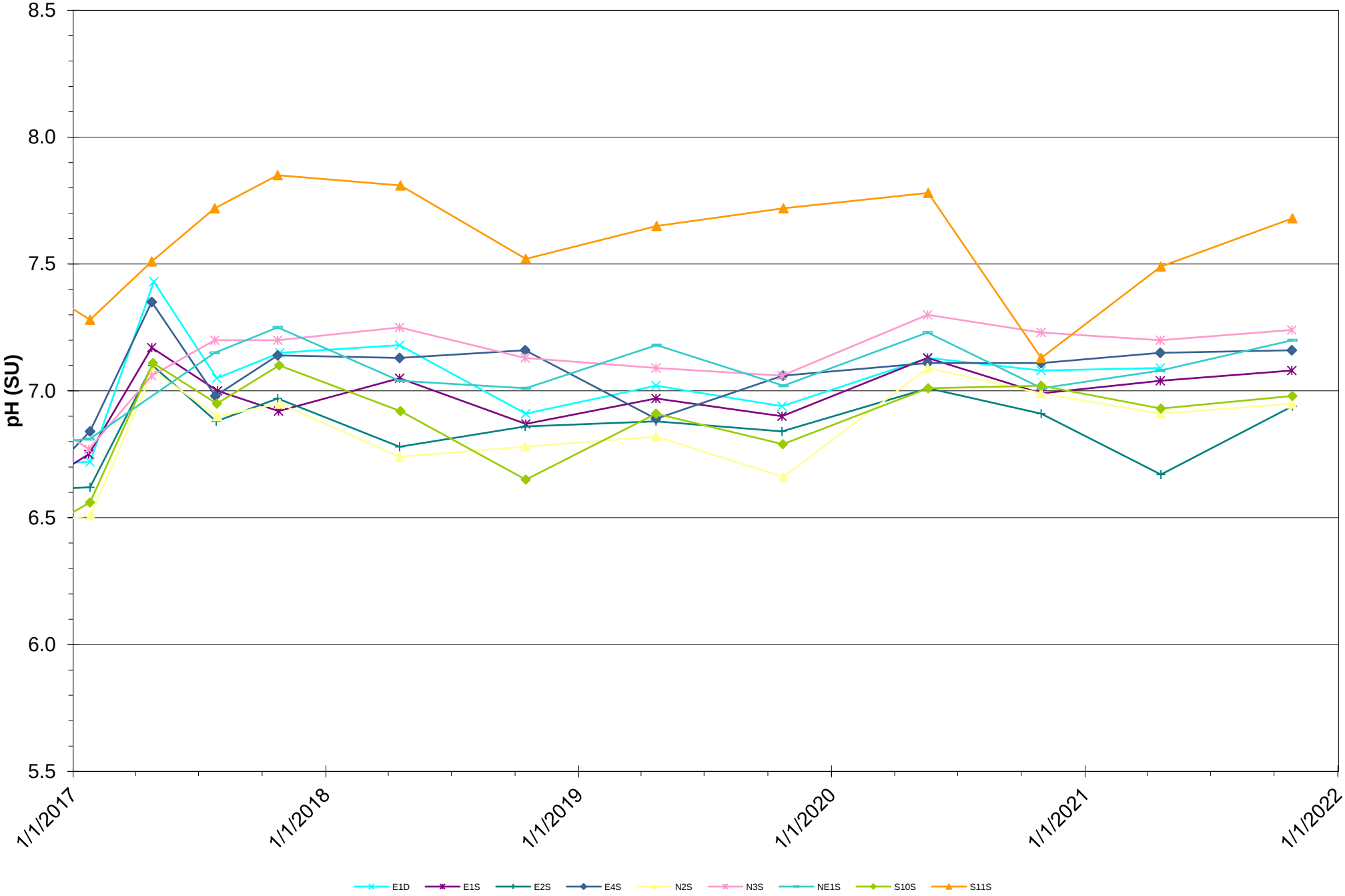


Table C2 - pH Times Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

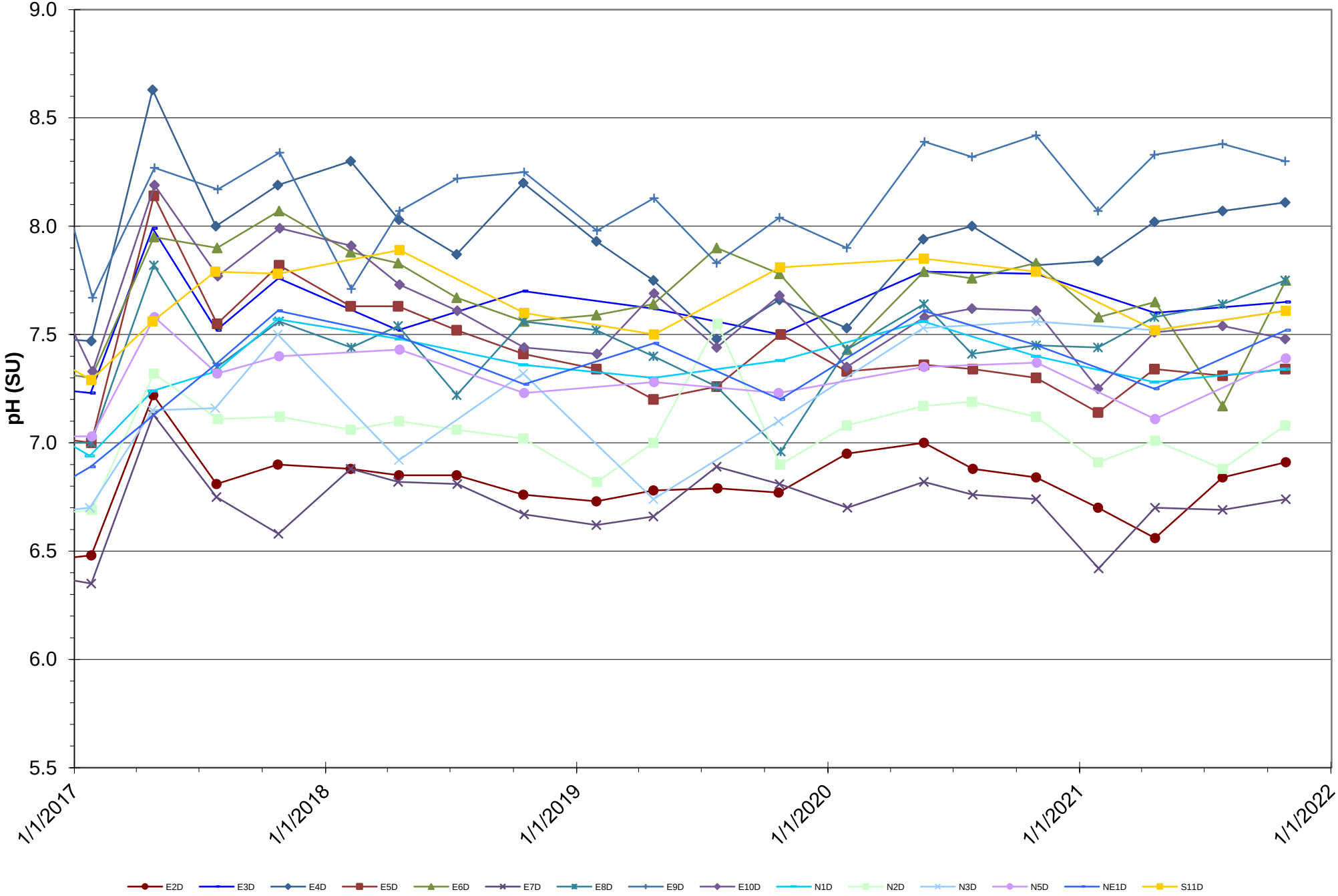


Table C3 - pH Times Series - Pumping Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

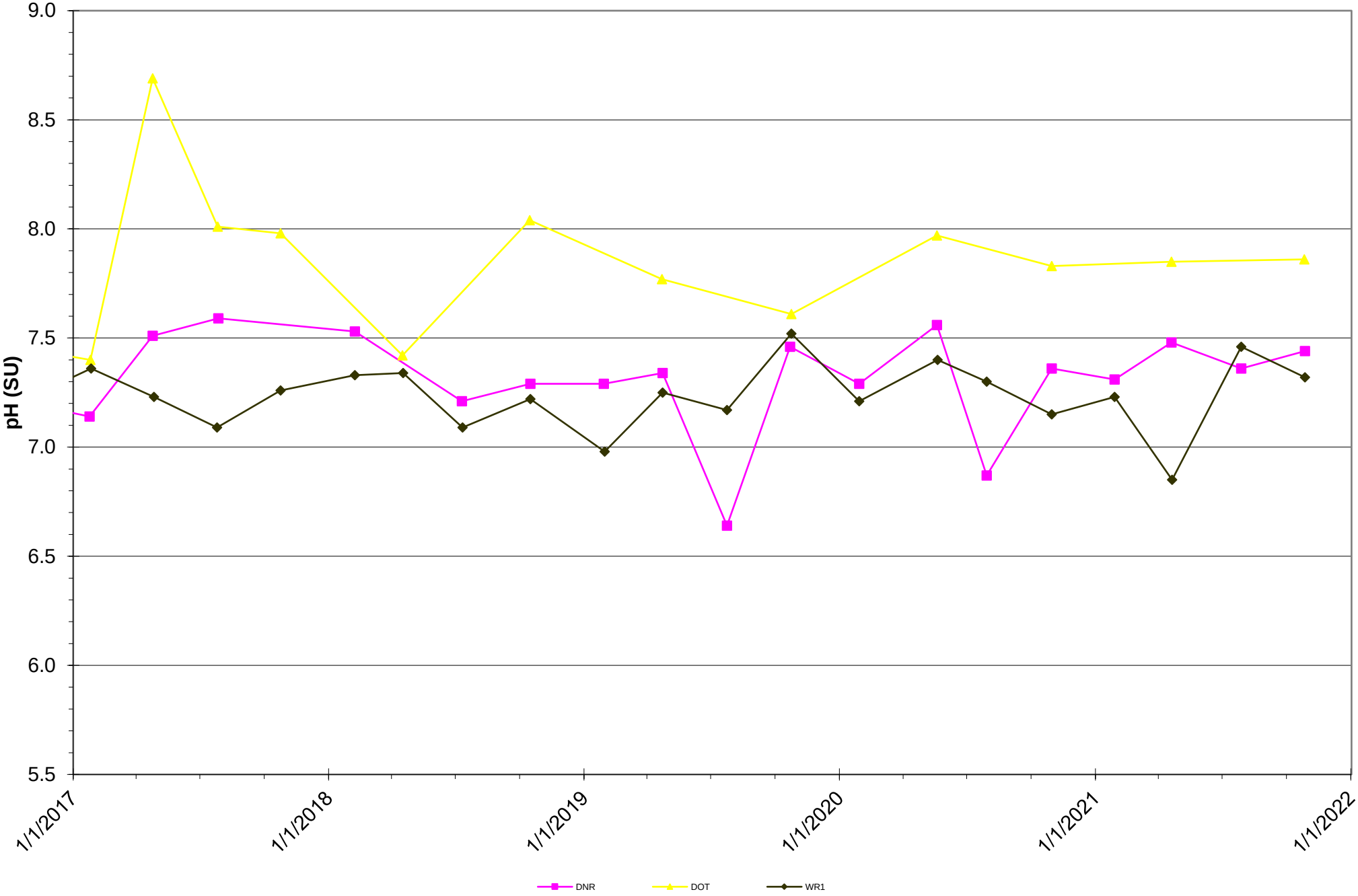


Table C4 - Specific Conductivity Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

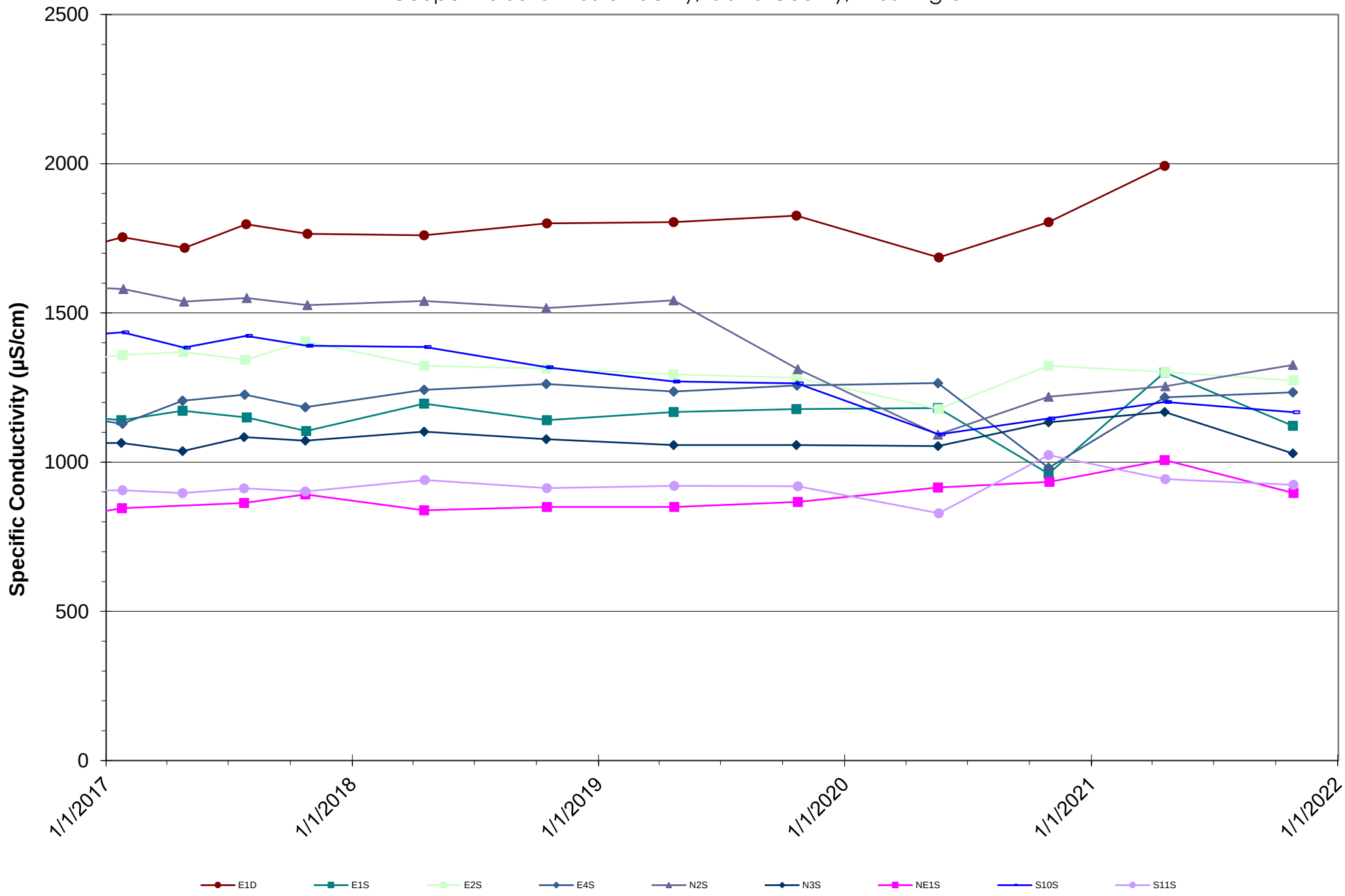


Table C5 - Specific Conductivity Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

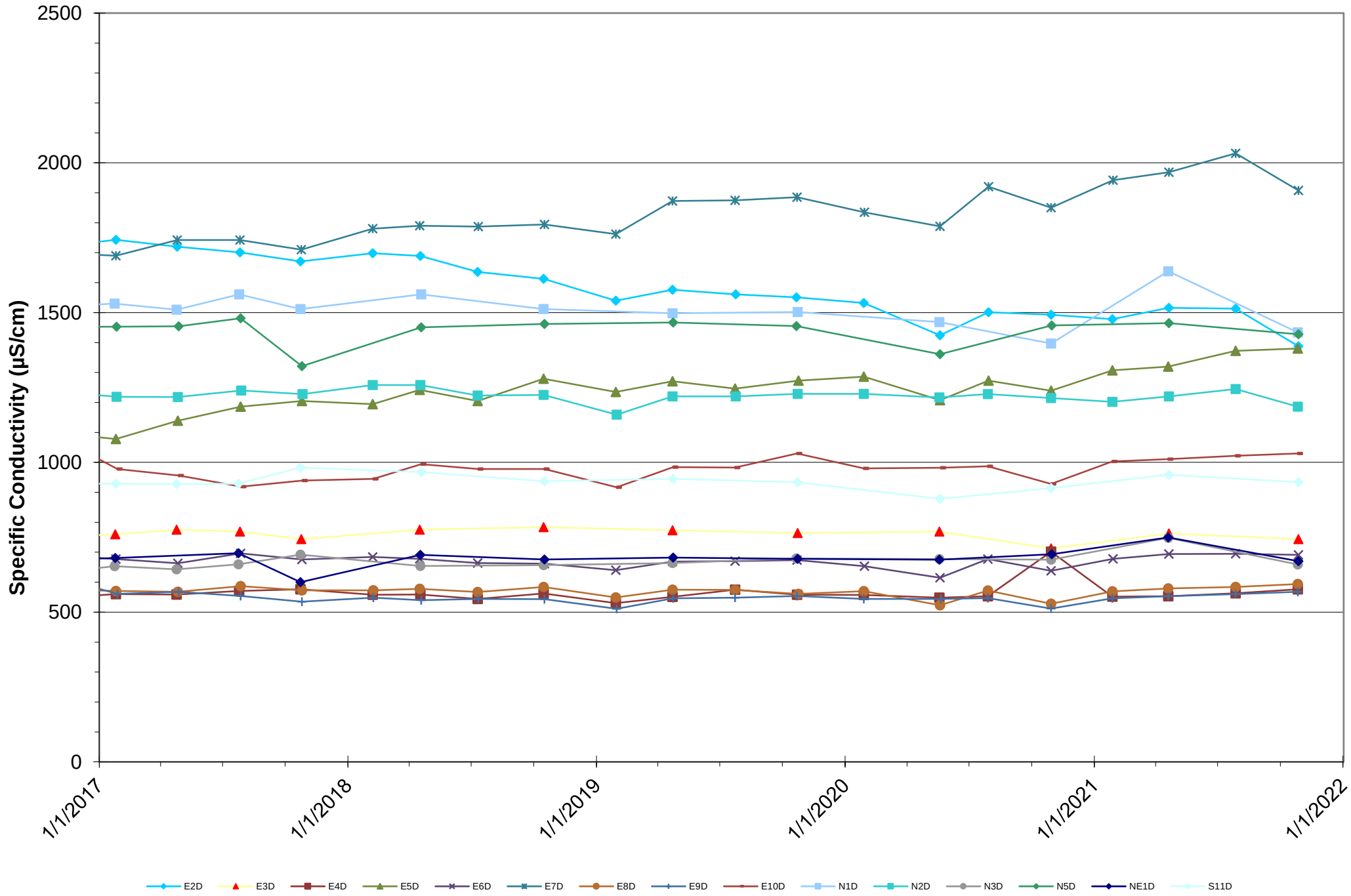


Table C6 - Specific Conductivity Time Series - Pumping Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

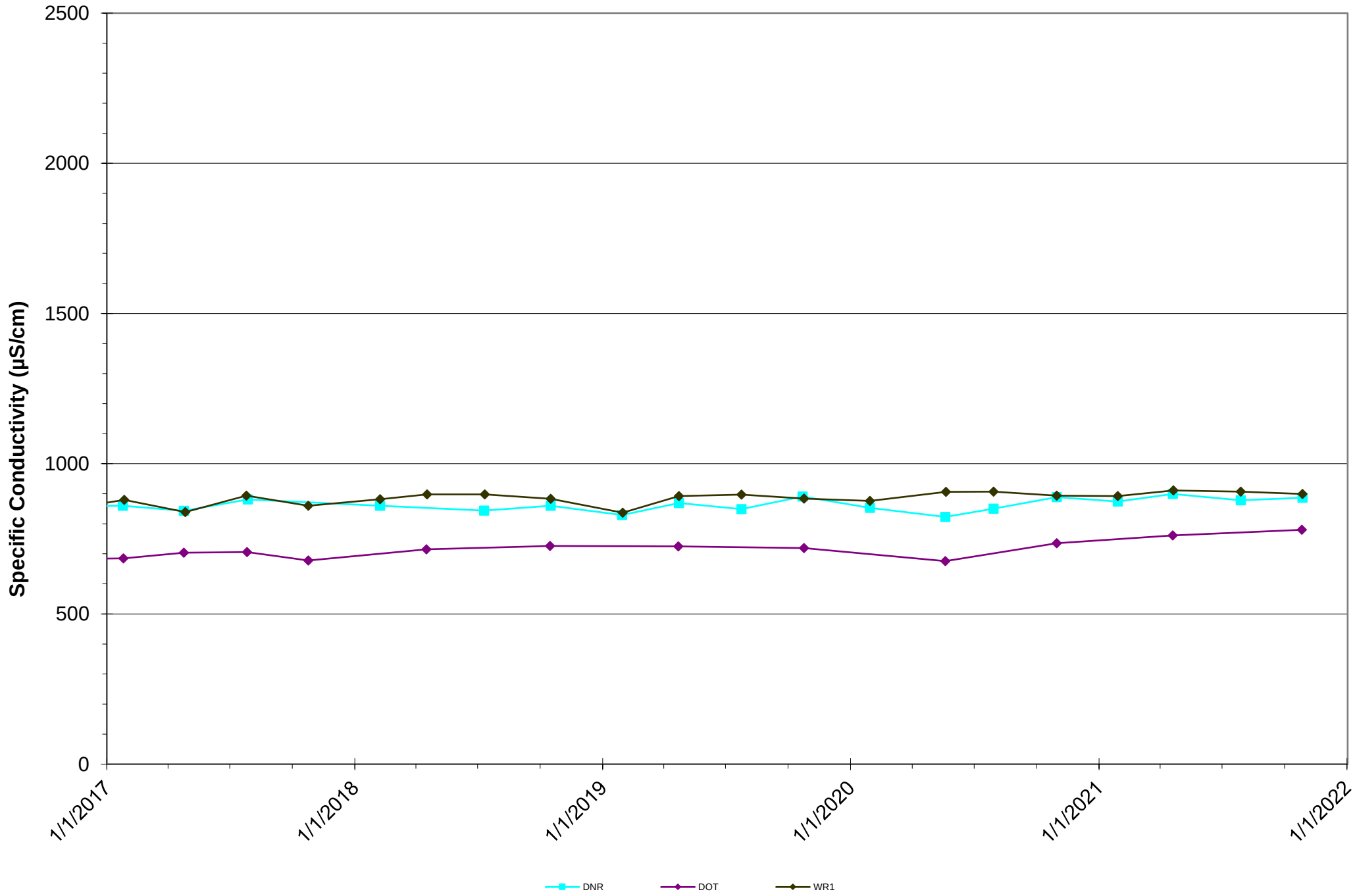


Table C7 - Alkalinity Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

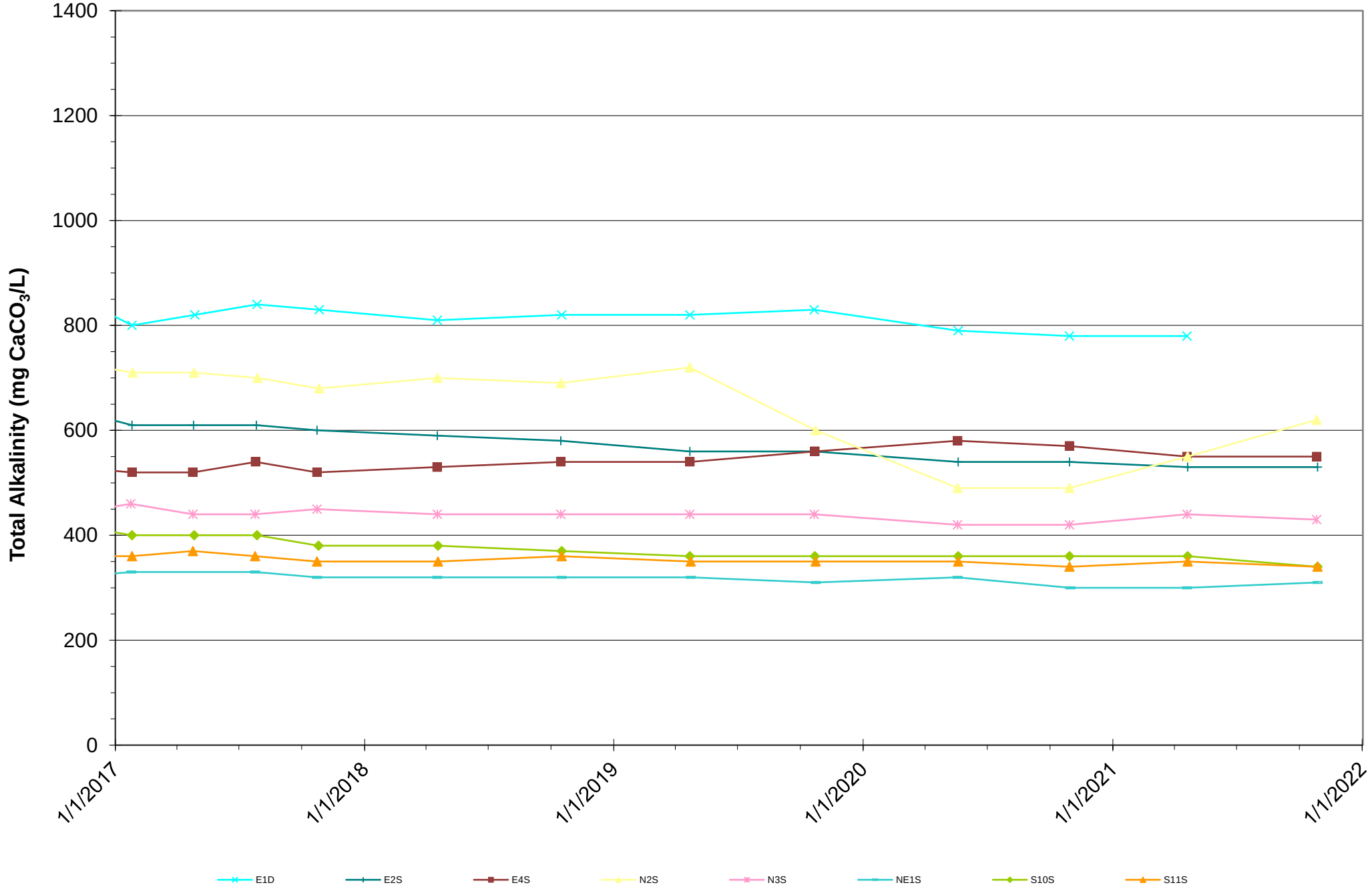


Table C8 - Alkalinity Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

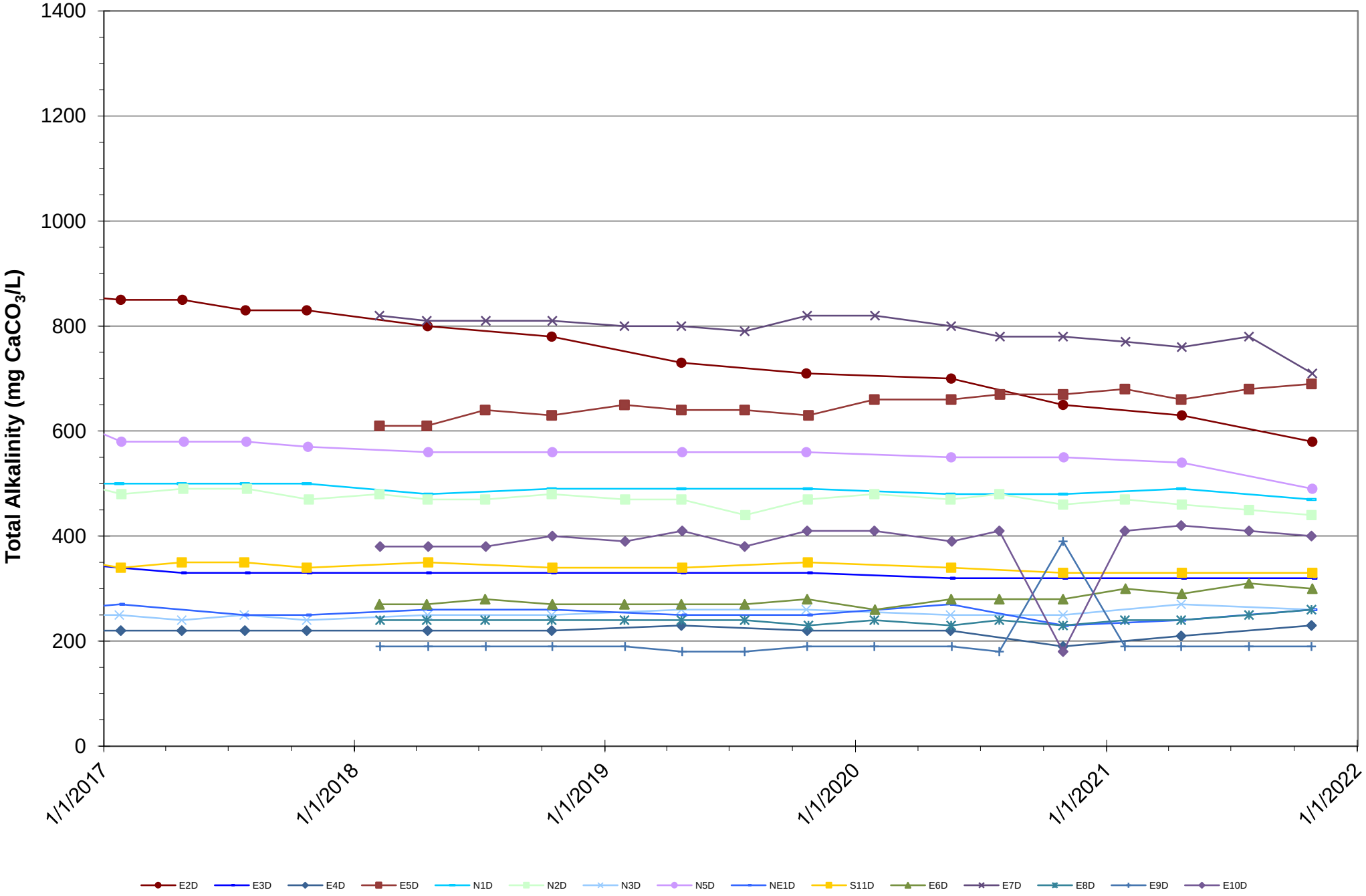


Table C9 - Total Alkalinity Time Series - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

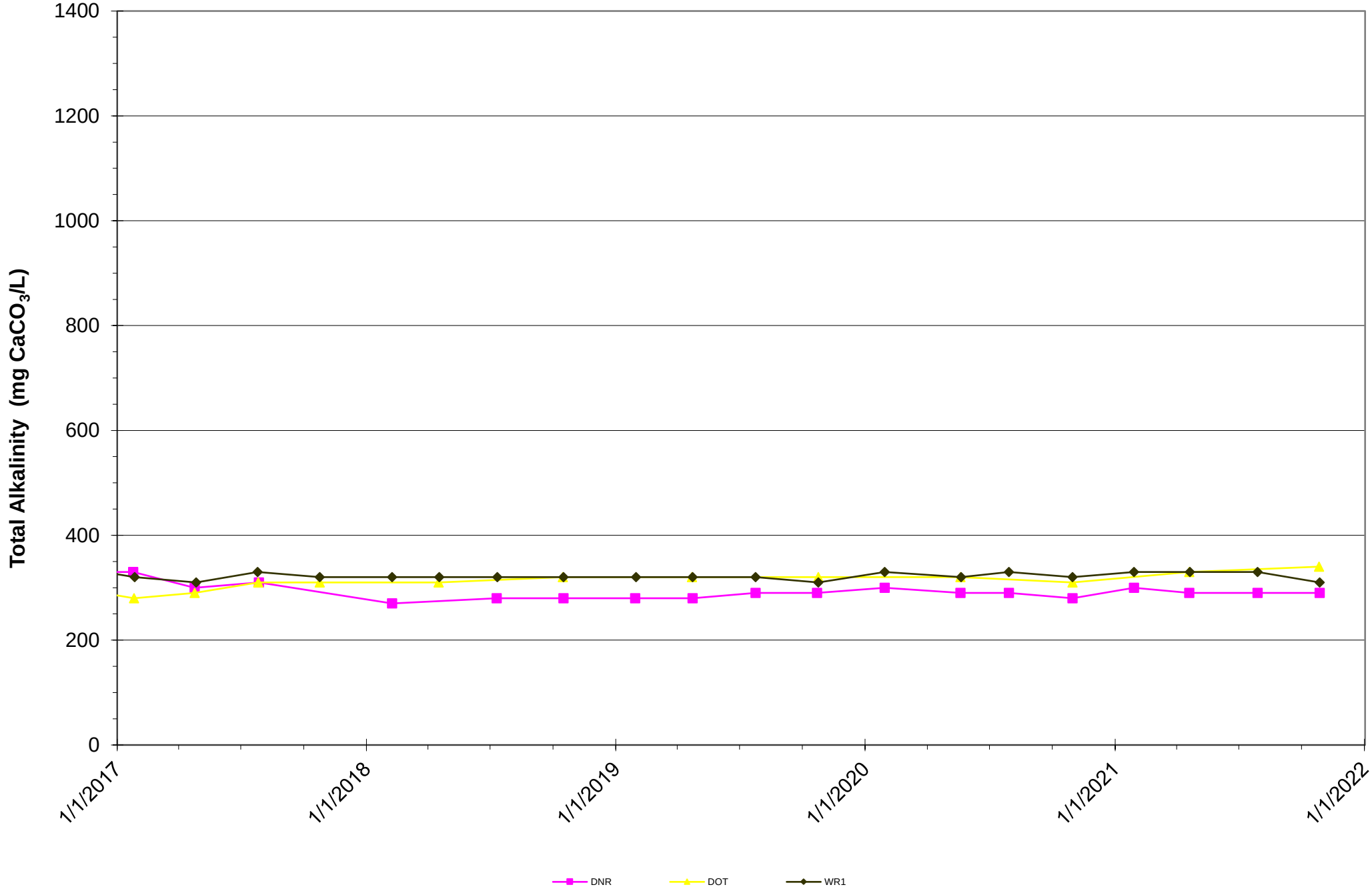


Table C10 - Chloride Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

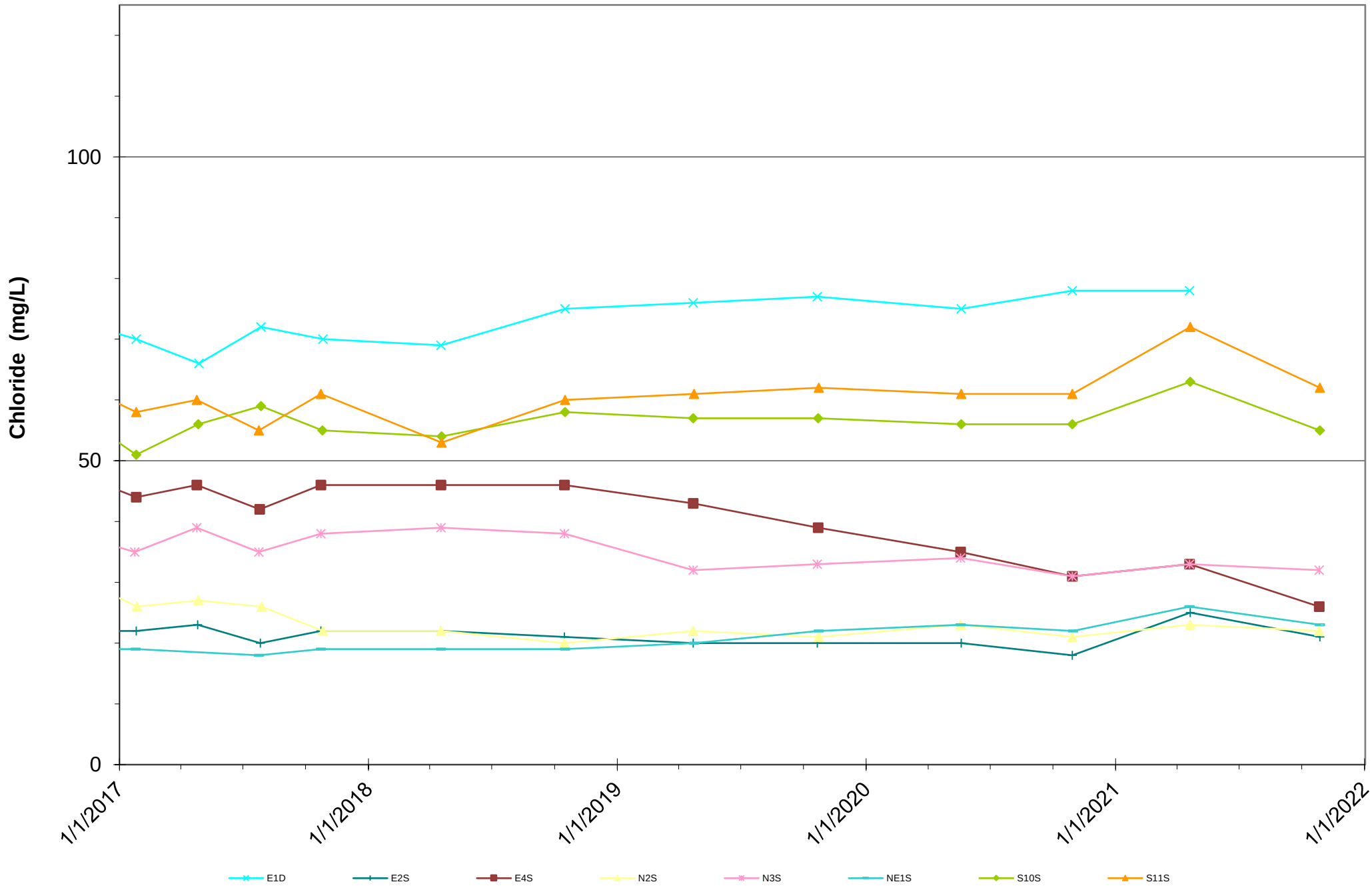


Table C11 - Chloride Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

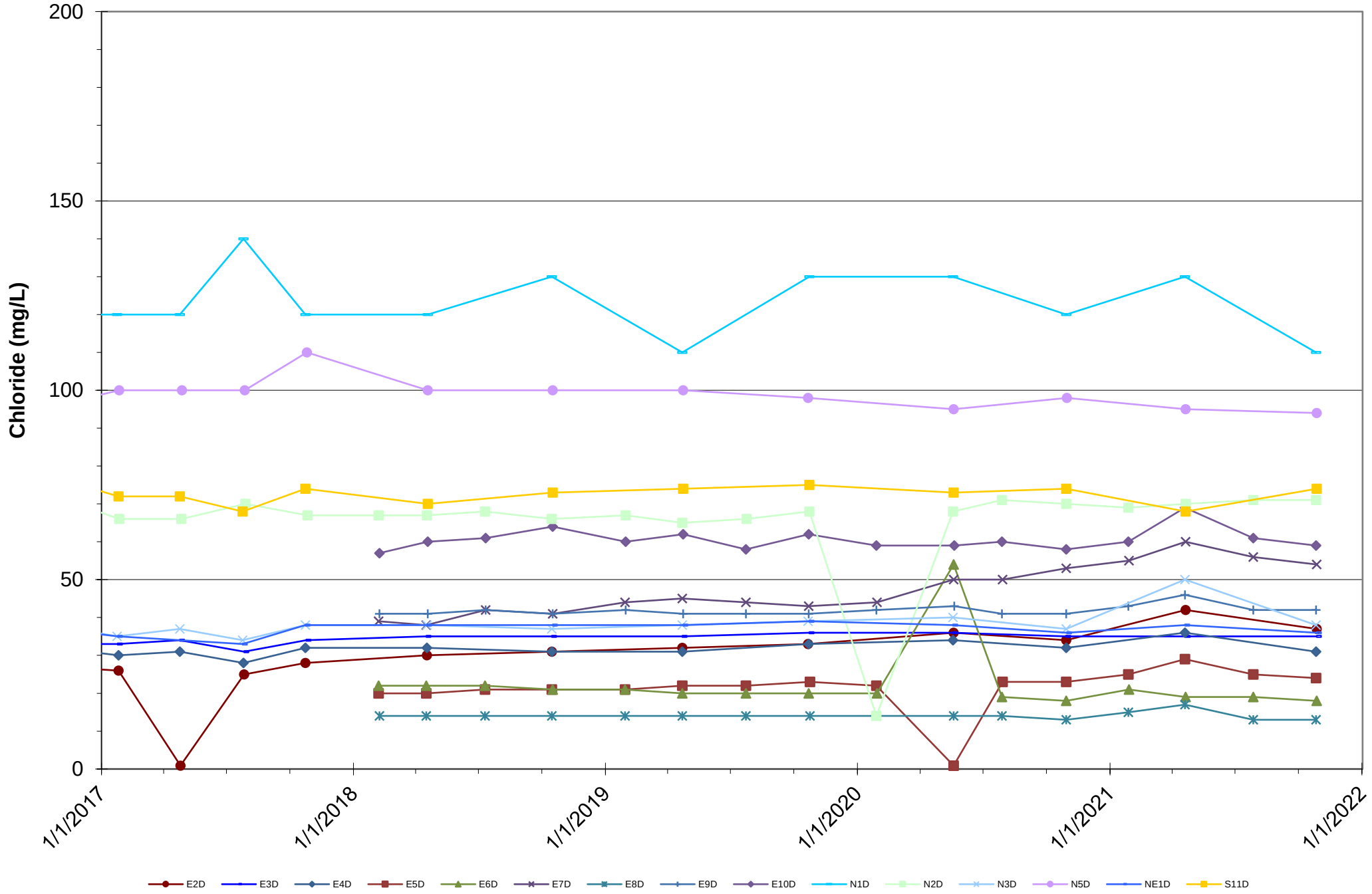
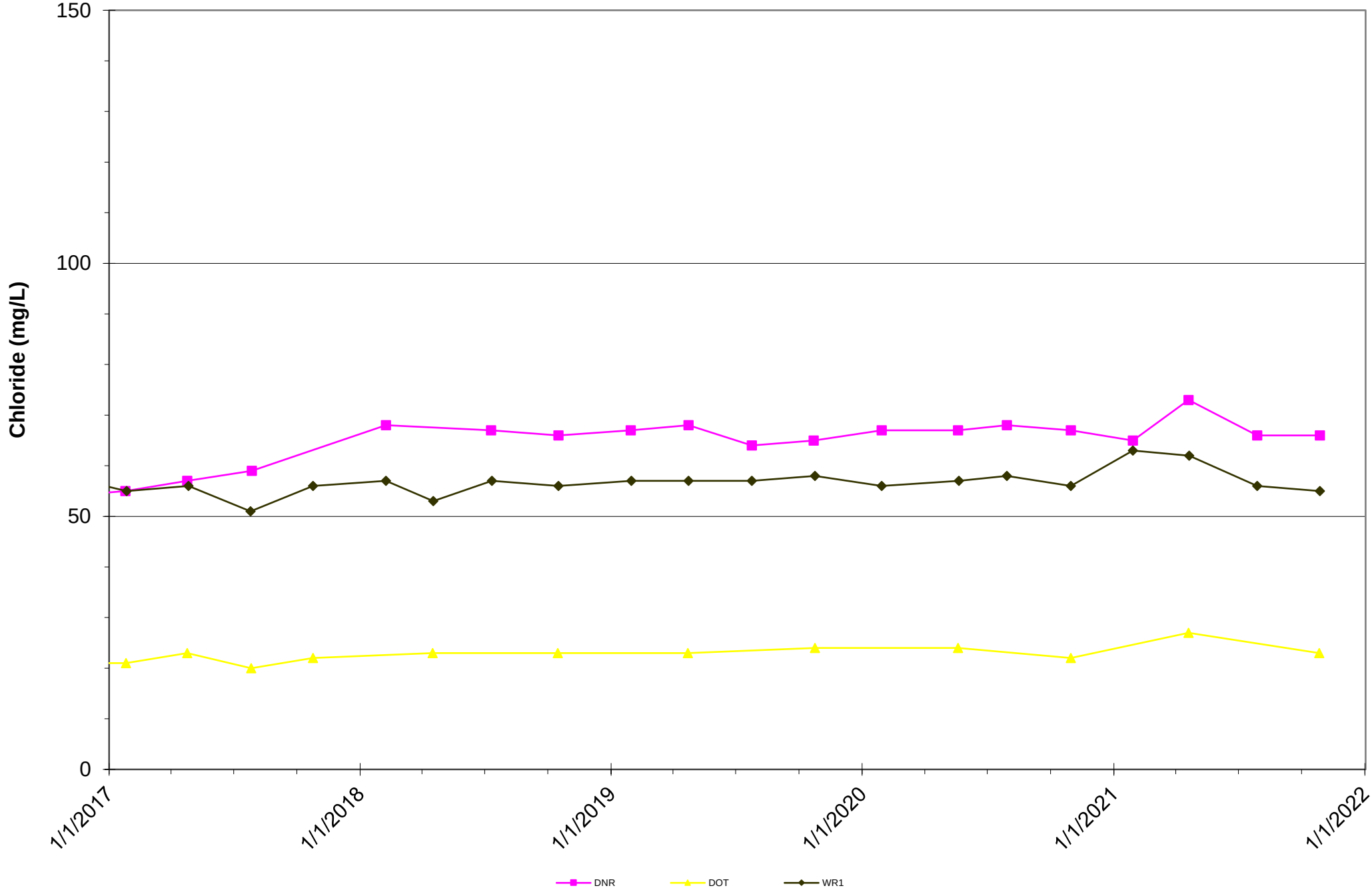


Table C12 - Chloride Time Series - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington



Tables C13 - Sulfate Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

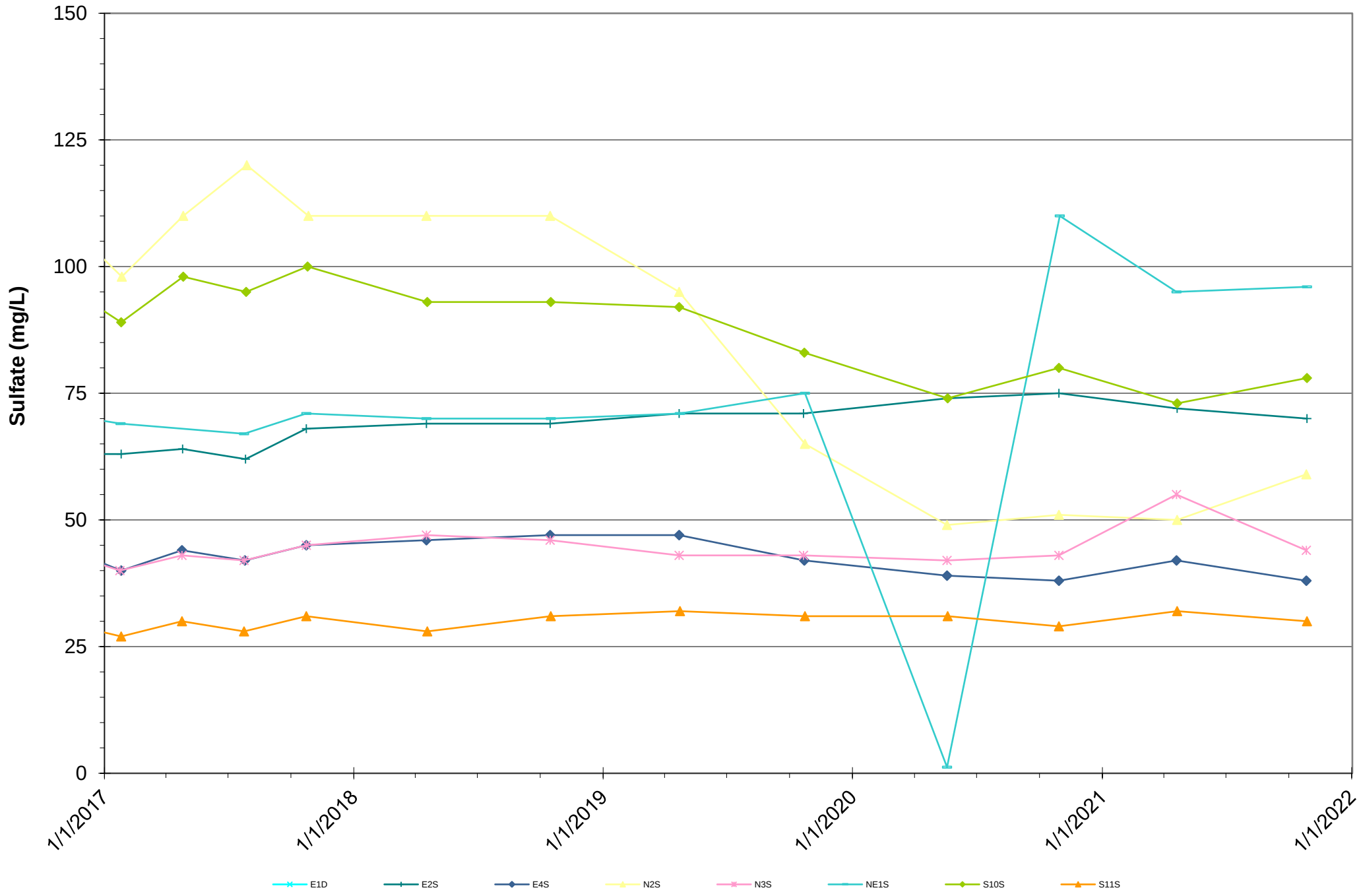


Table C14 - Sulfate Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

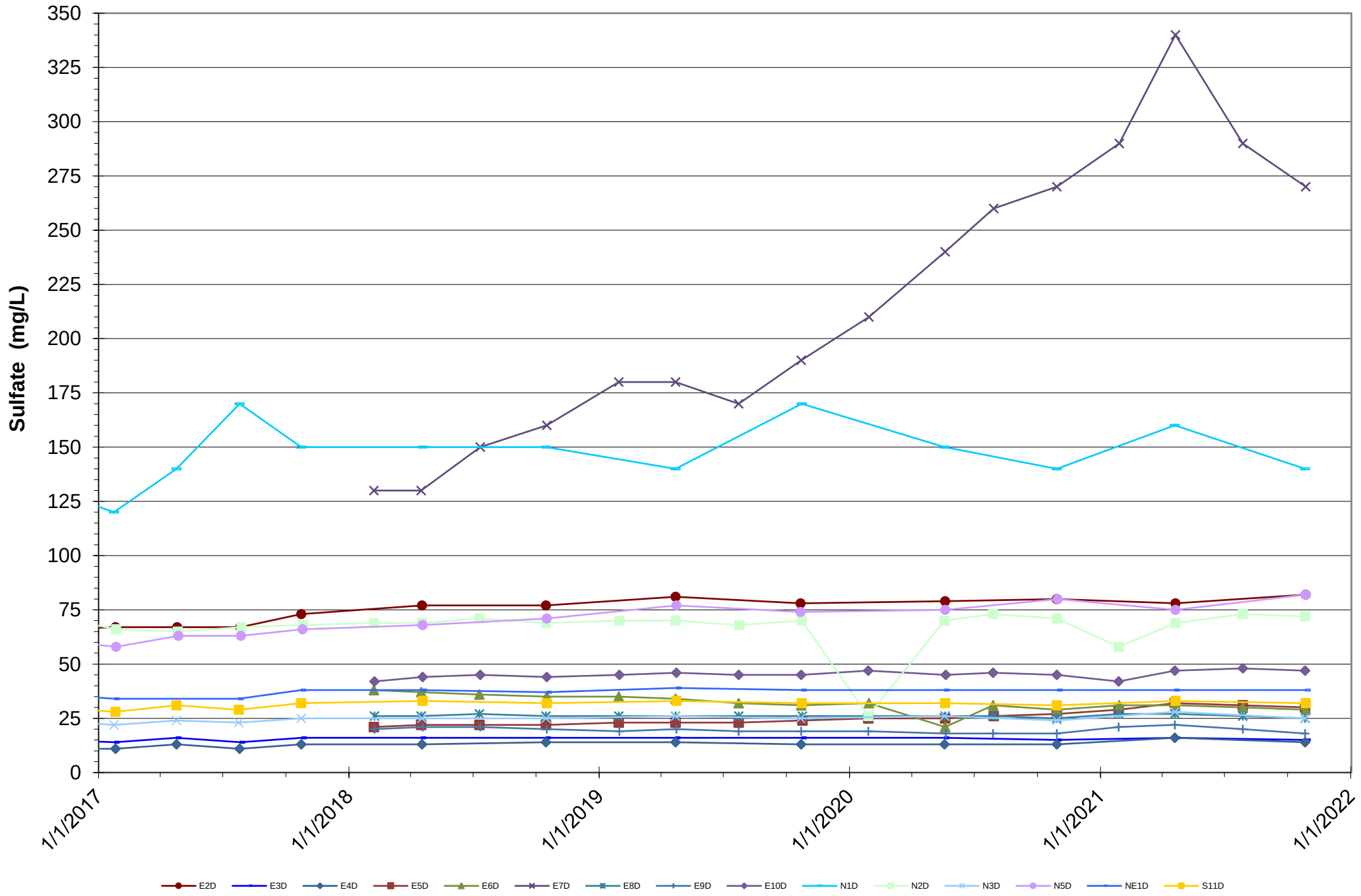


Table C15 - Sulfate Time Series - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

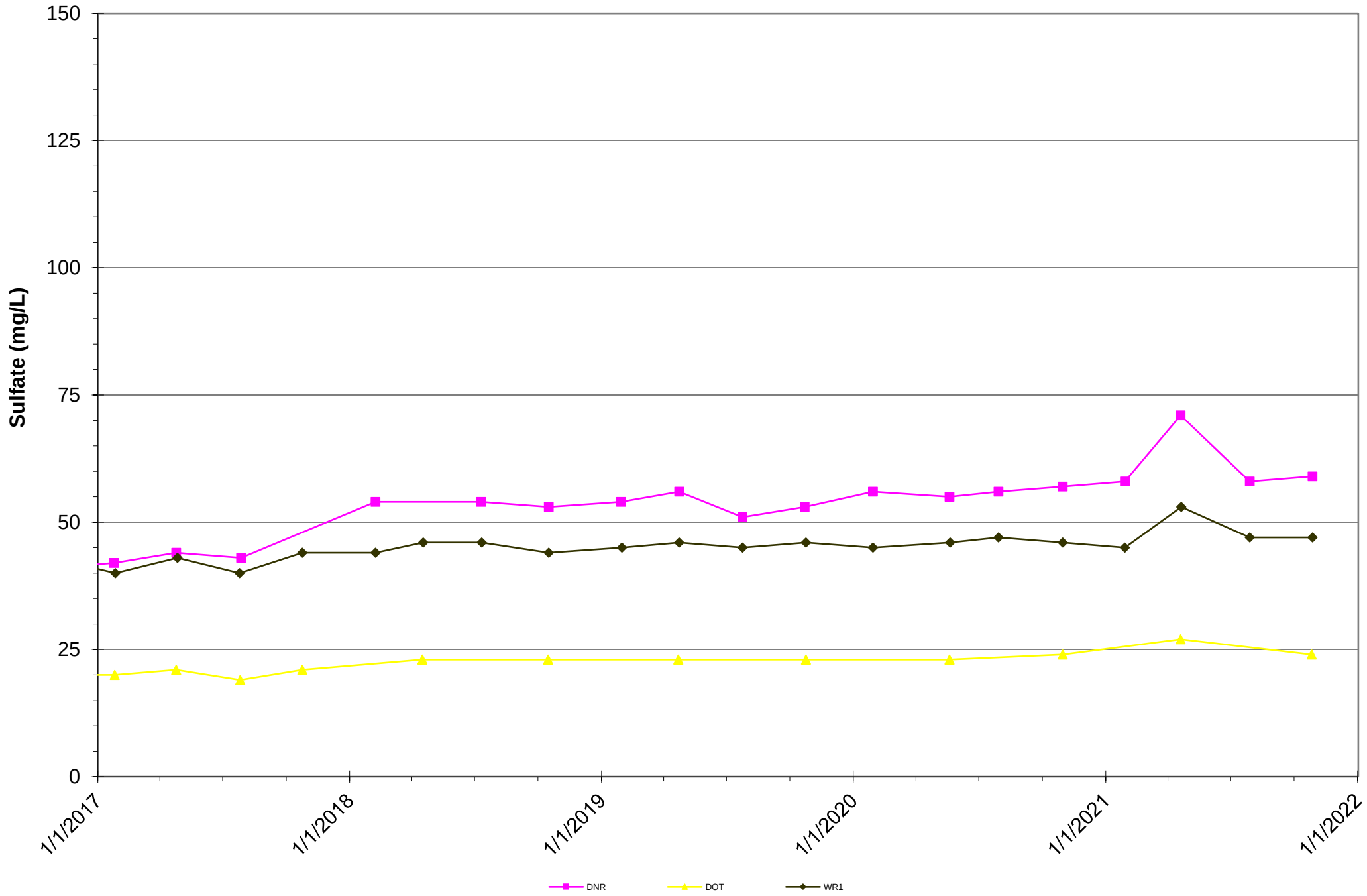


Table C16 - Total Dissolved Solids Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

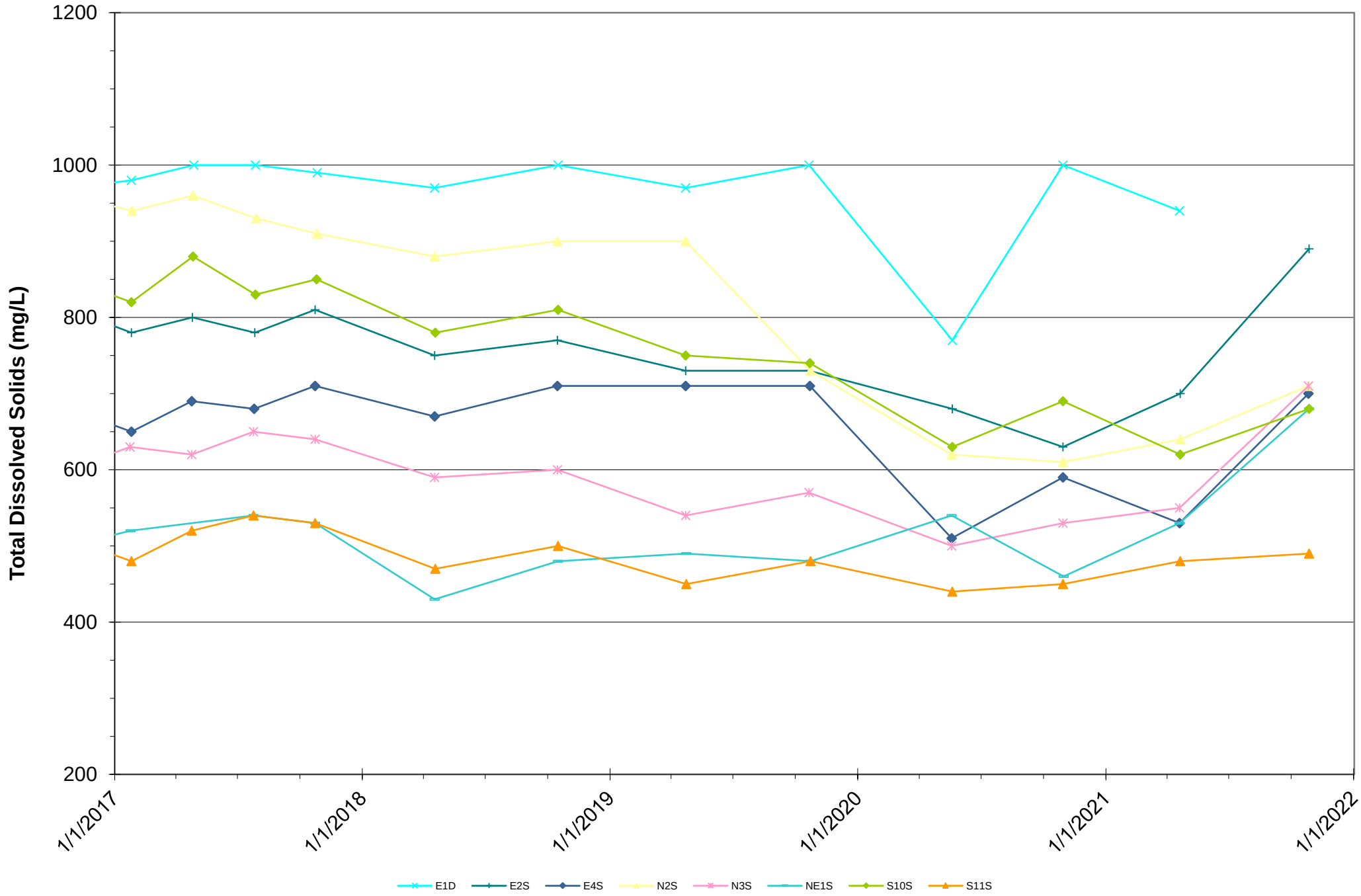


Table C17 - Total Dissolved Solids Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

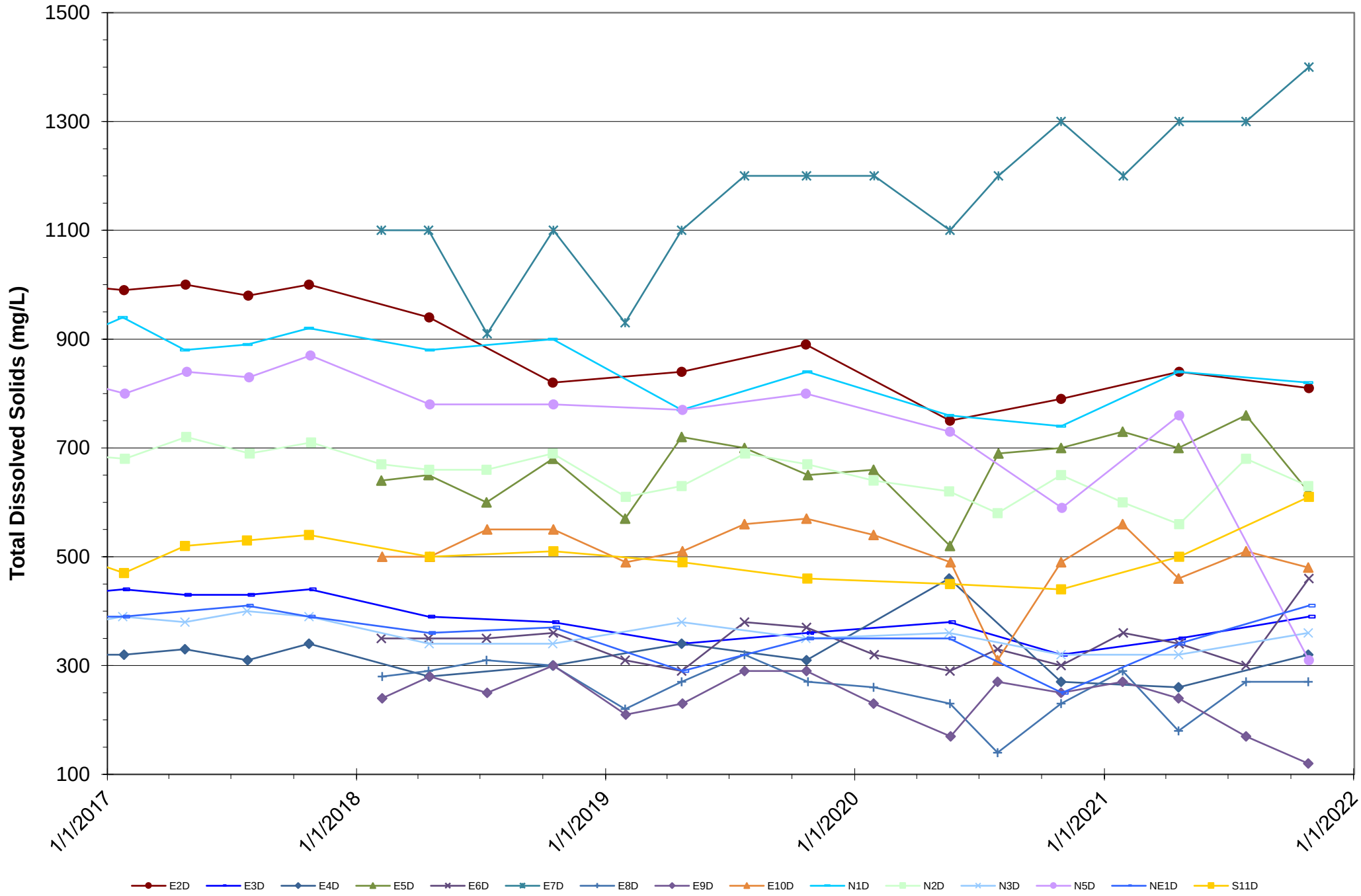


Table C18 -Total Dissolved Solids Time Series - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

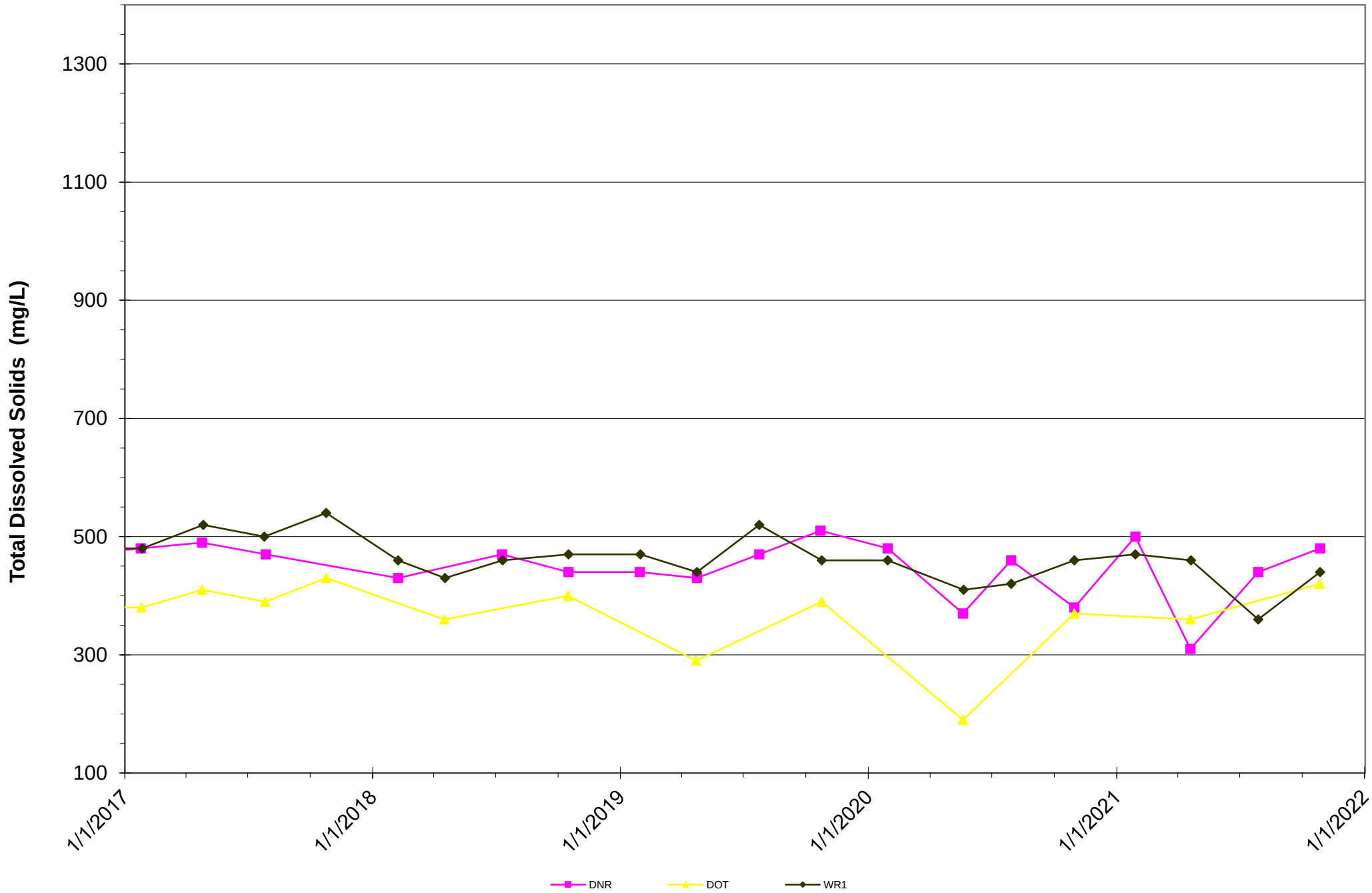


Table C19 - Total Nitrate/Nitrite Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

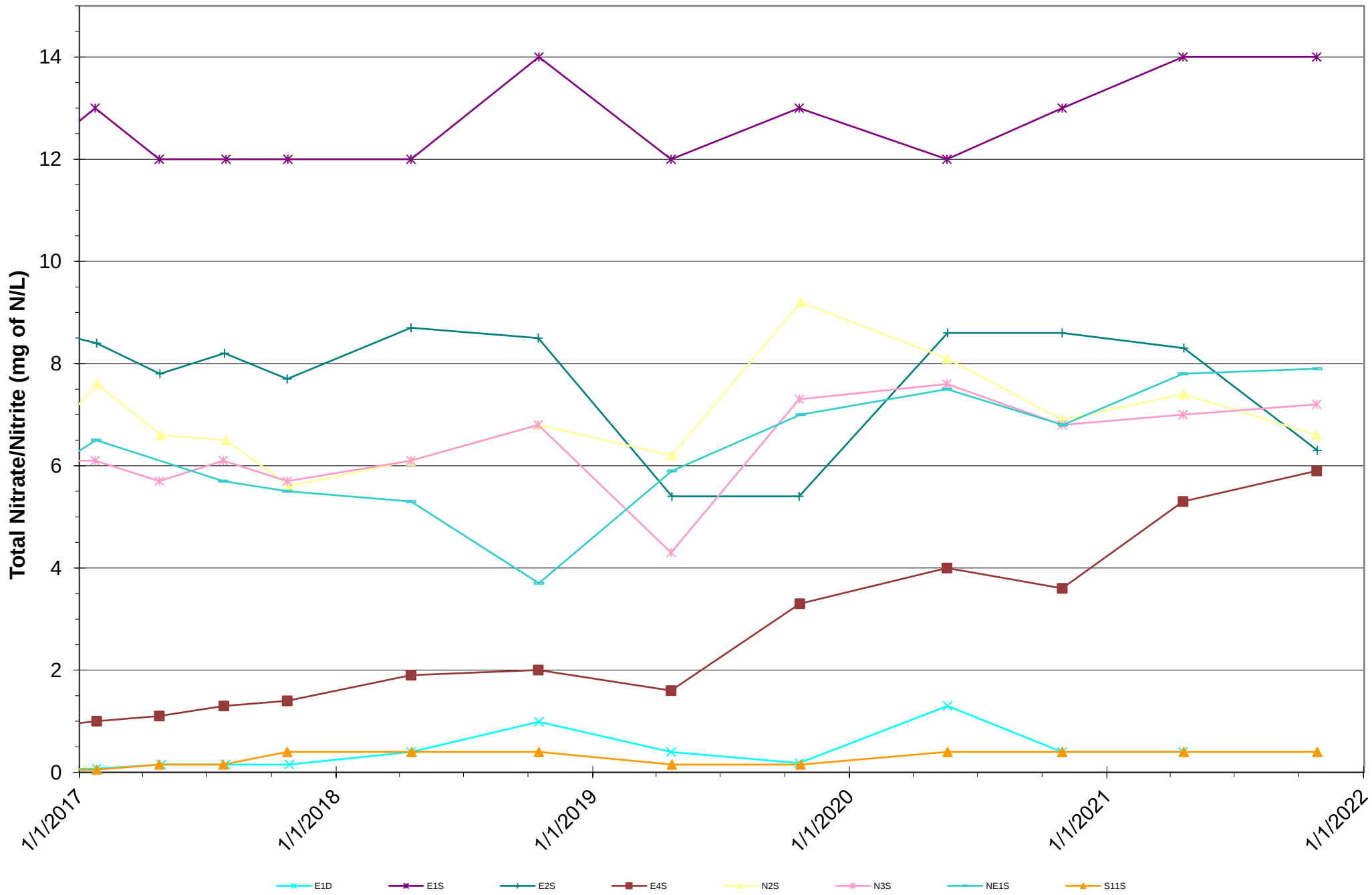


Table C20 -Total Nitrate/Nitrite Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste , Island County, Washington

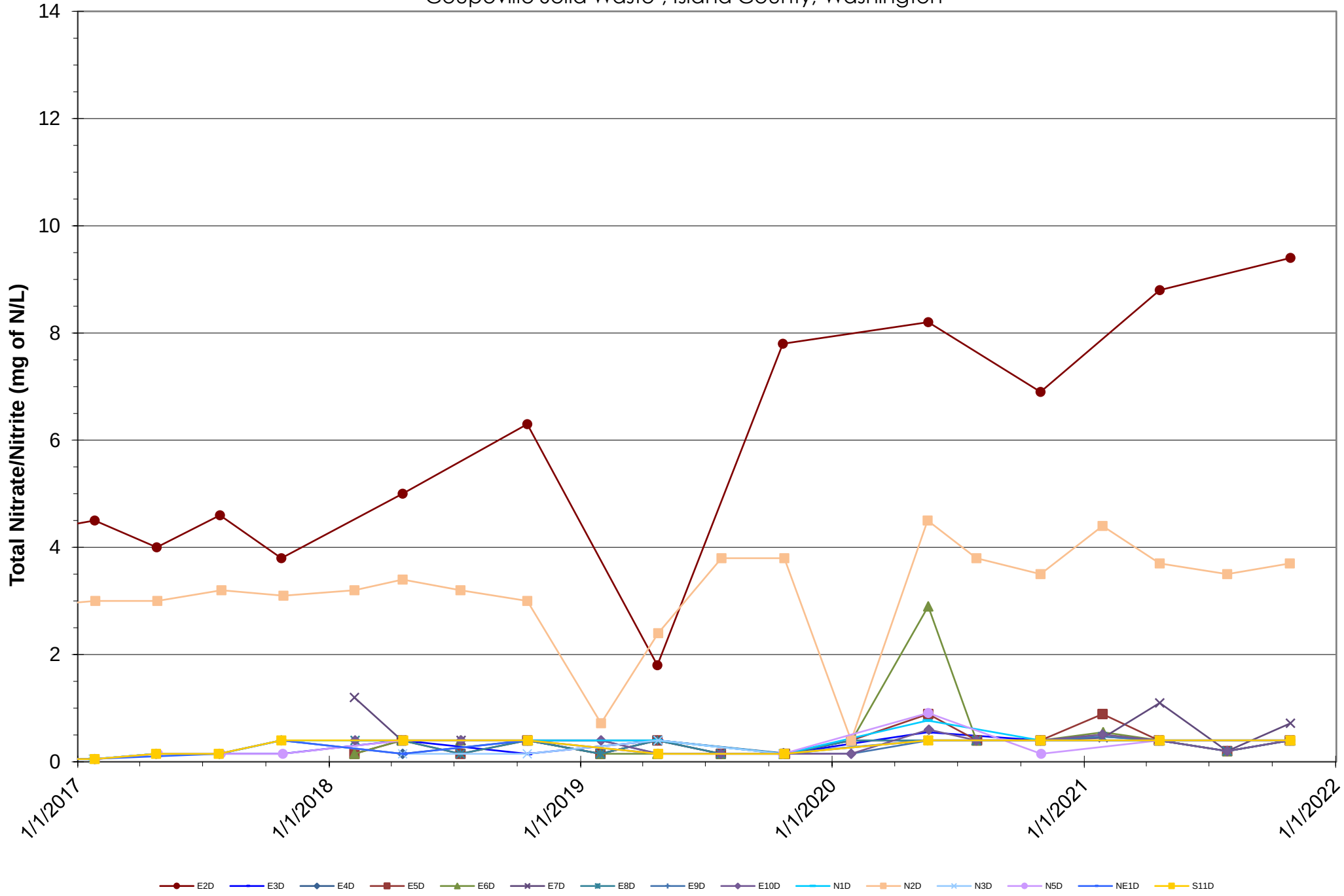


Table C21 - Total Nitrate/Nitrite Time Series - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

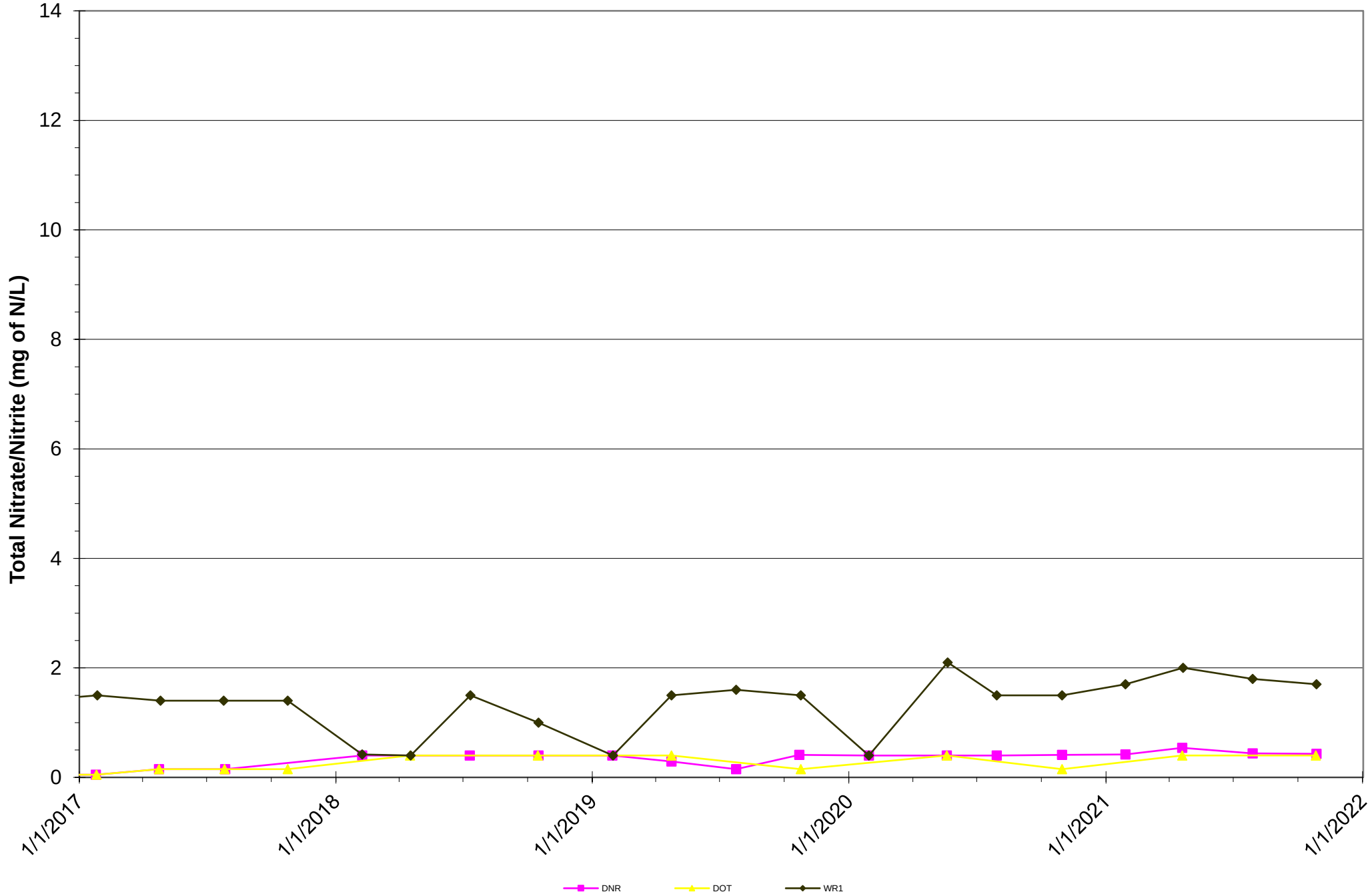


Table C22 -Total Nitrate/Nitrite Time Series - S10S
2021 Annual Moniroting Report
Coupeville Solid Waste Facility, Island County, Washington

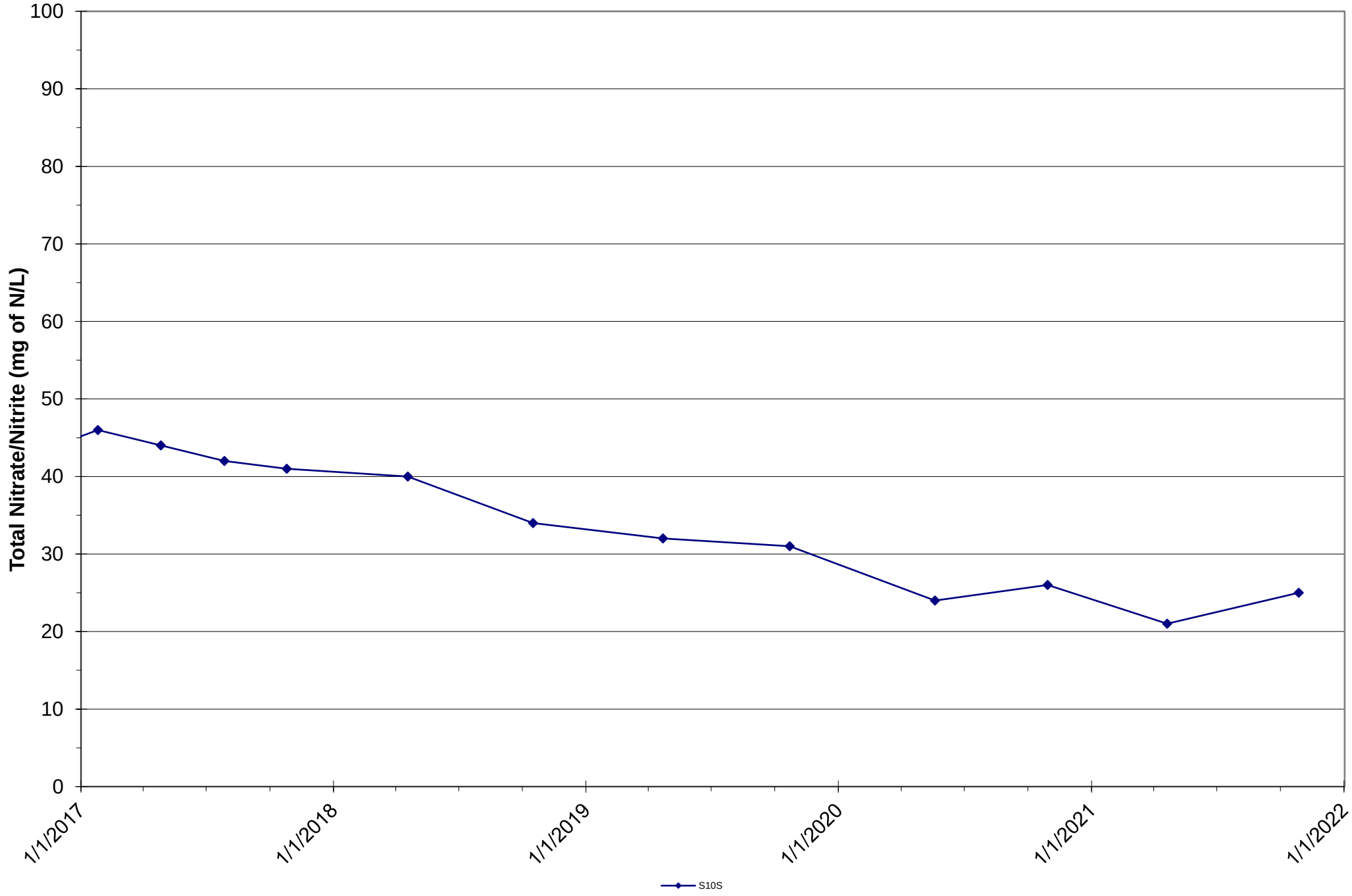


Table C23 - Total Organic Carbon Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

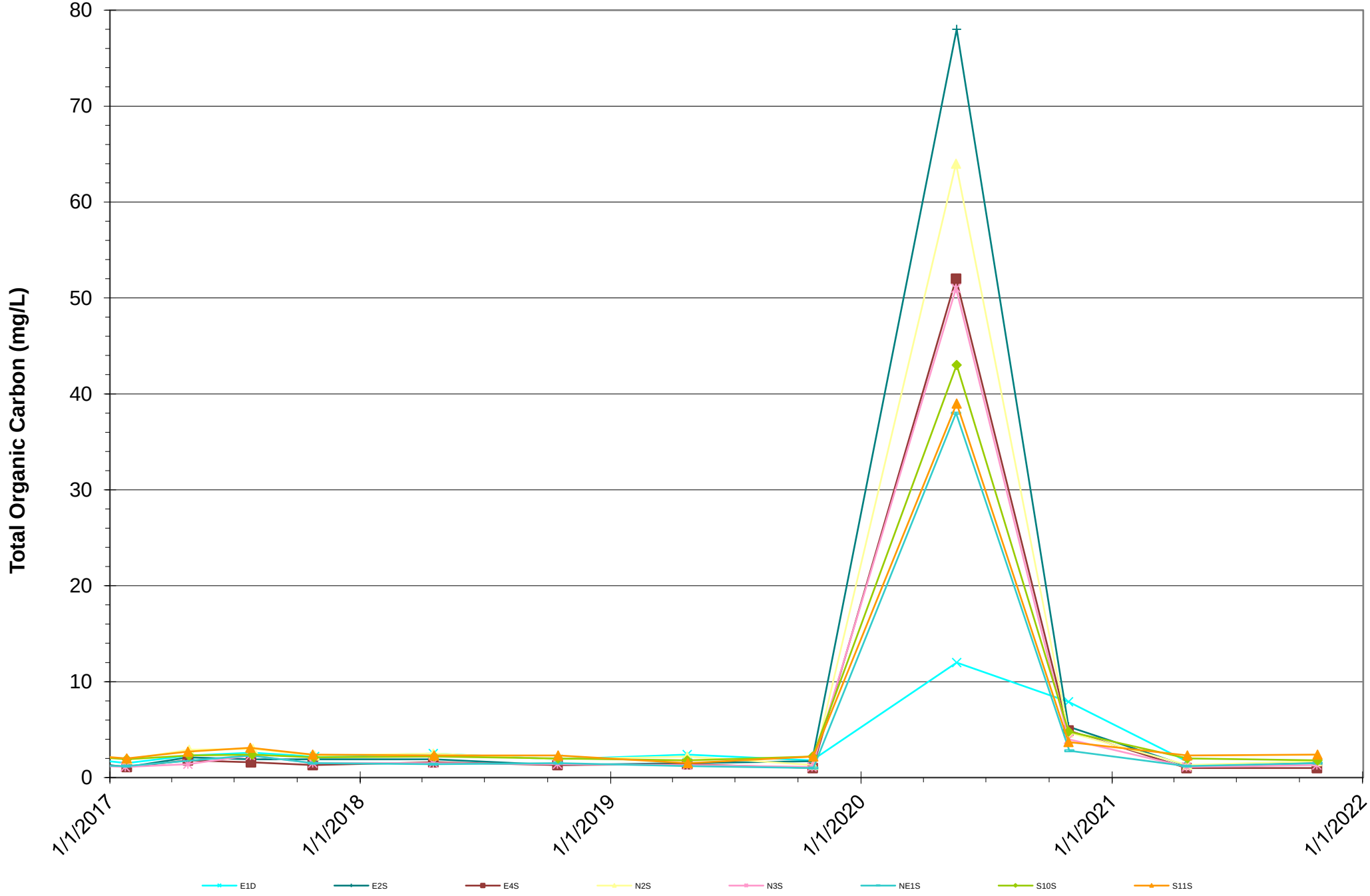


Table C24 - Total Organic Carbon Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

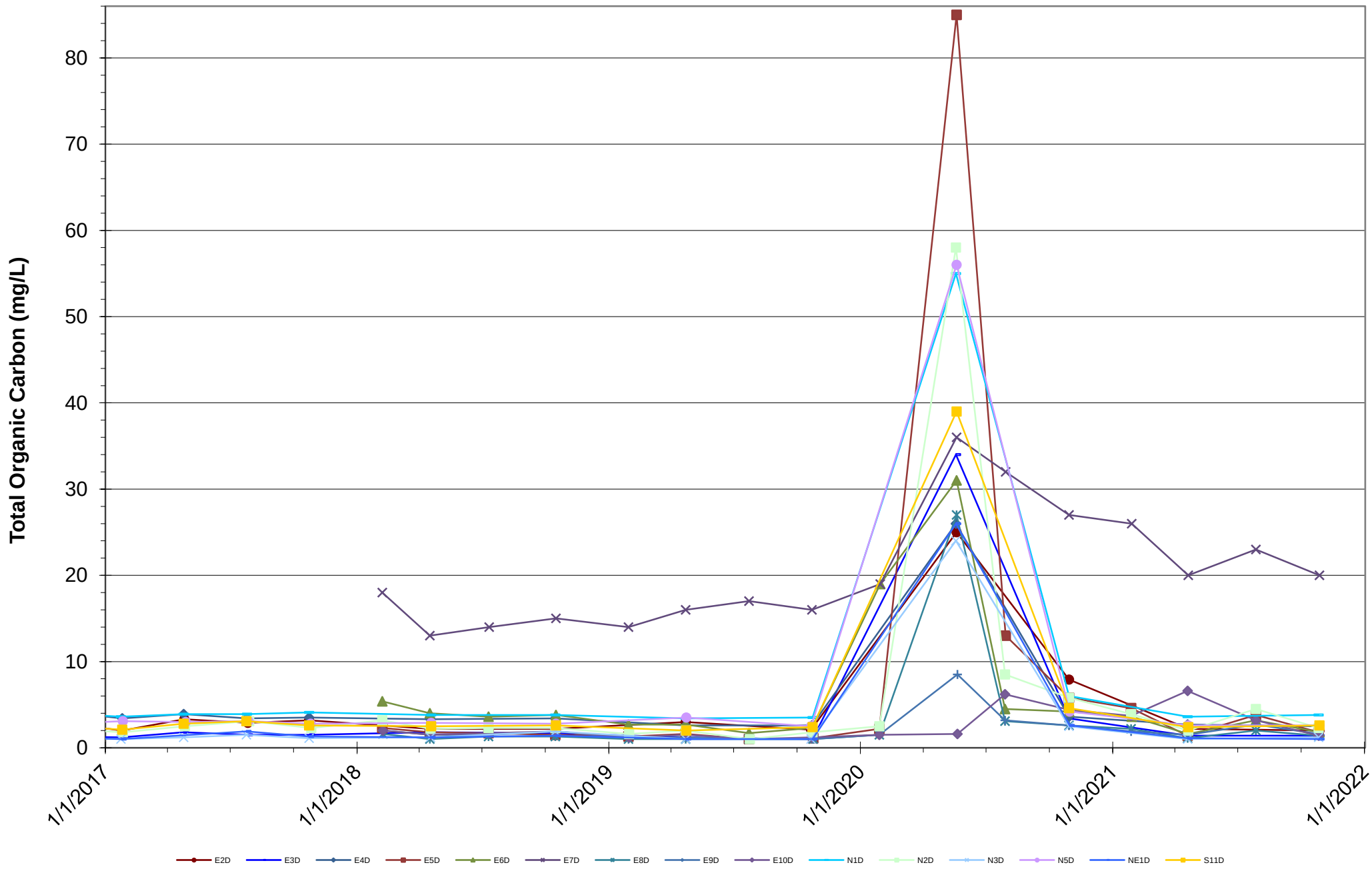


Table C25 - Total Organic Carbon Time Series - Water Supply Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

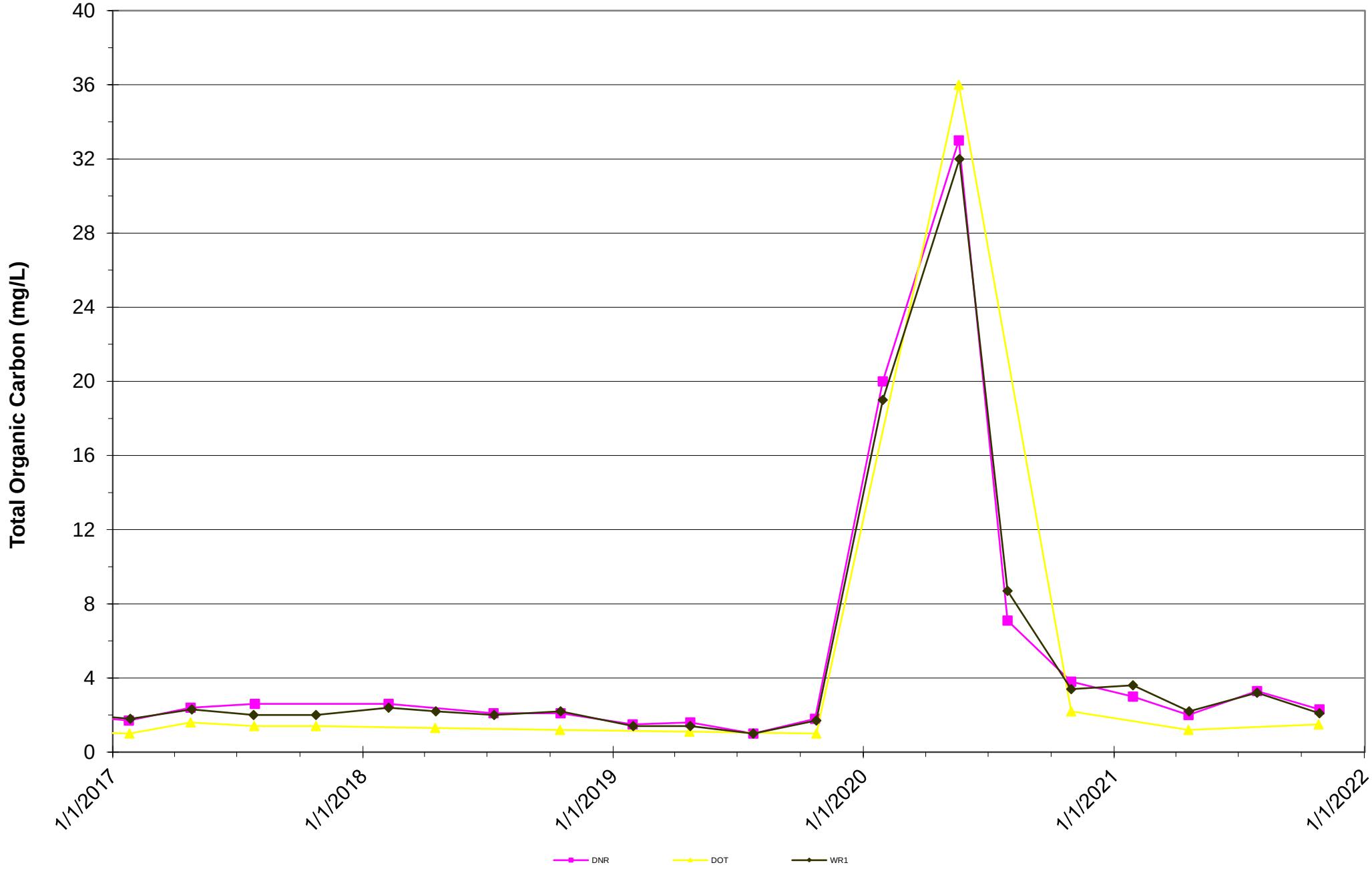


Table C26 - Barium Time Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

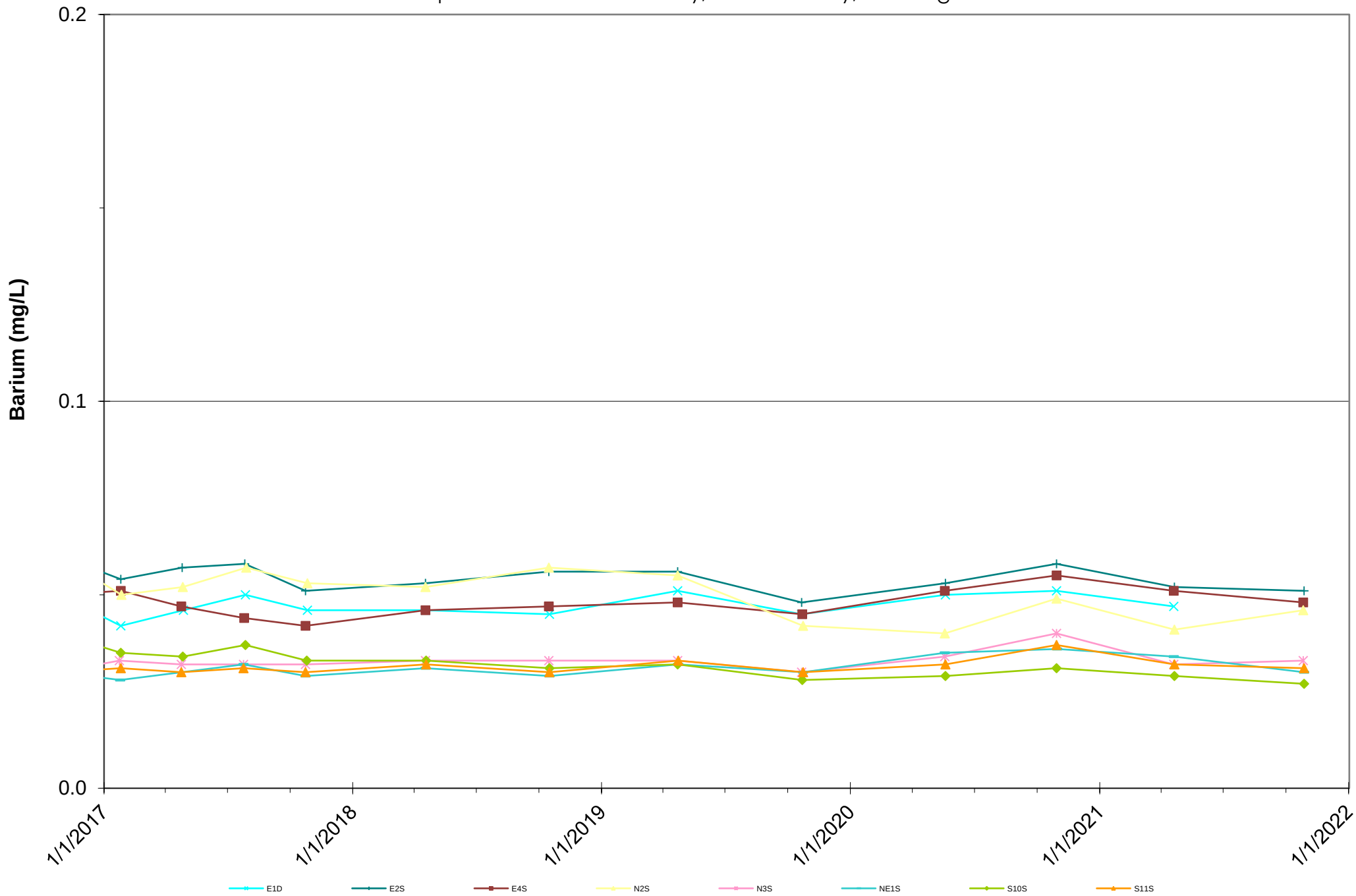


Table C27 - Barium Time Series - Aquifer 2
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

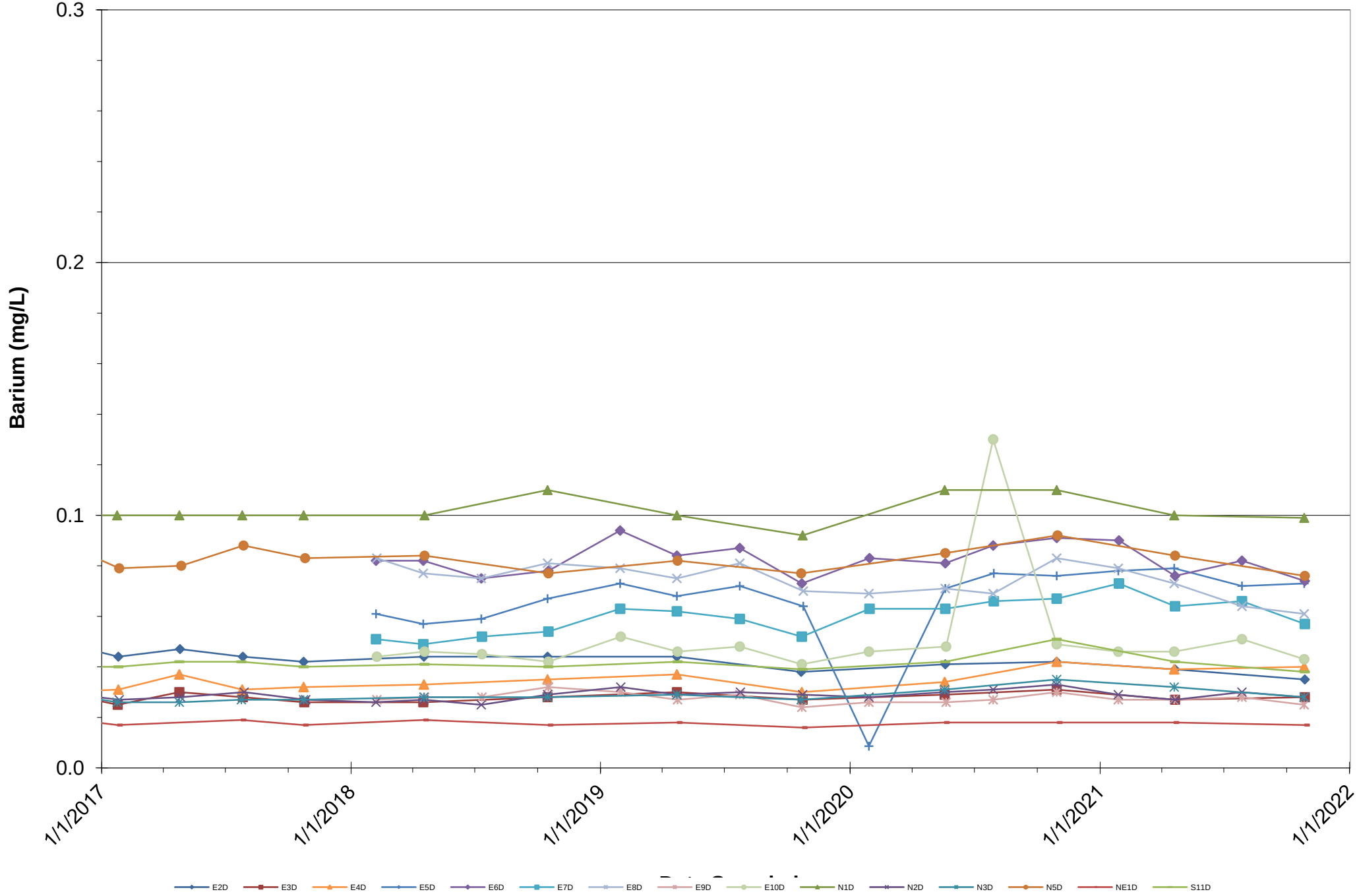


Table C28 - Barium Time Series - Pumping Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

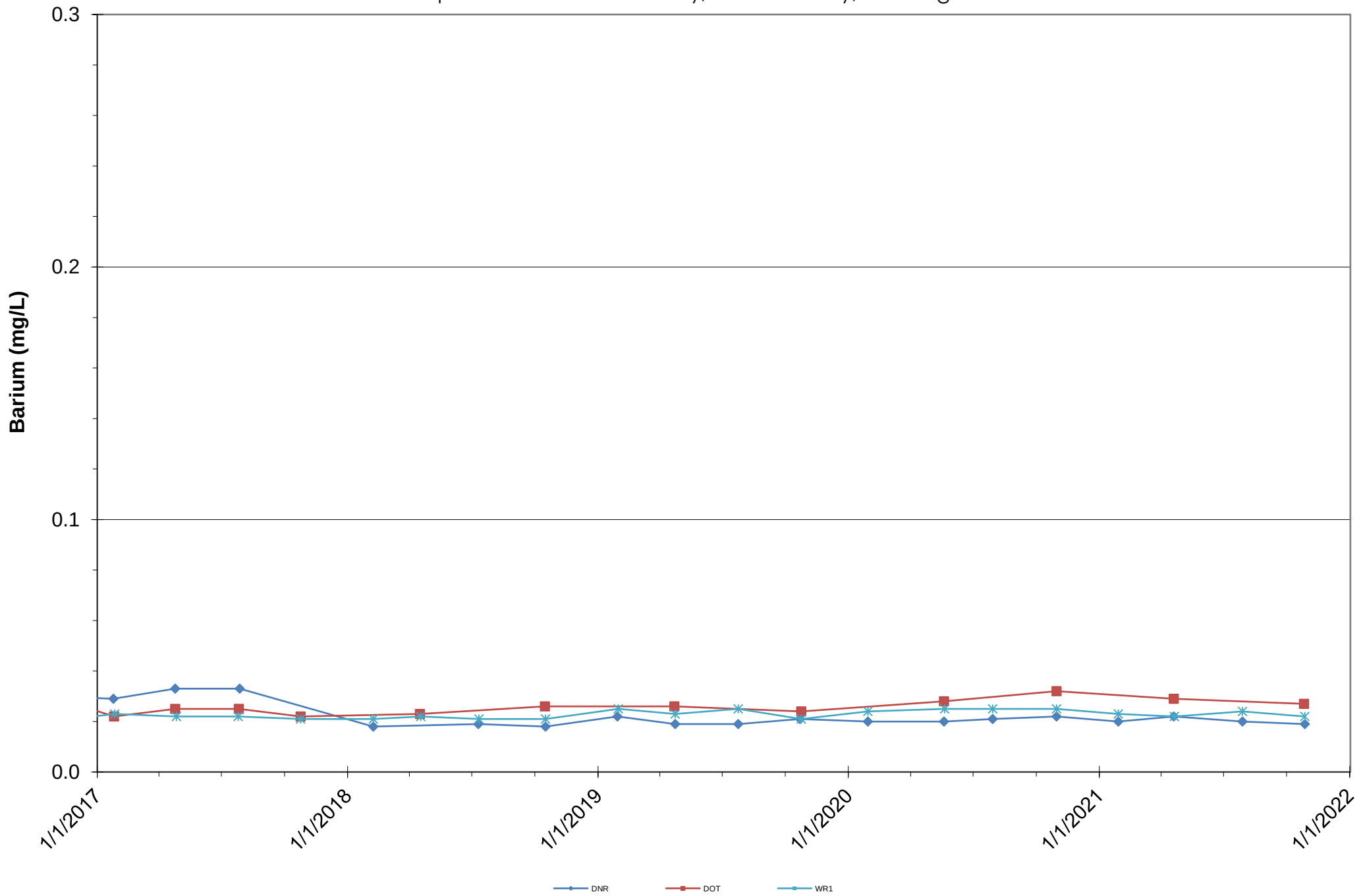


Table C29 - 1,1-Dichloroethane Time Series
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

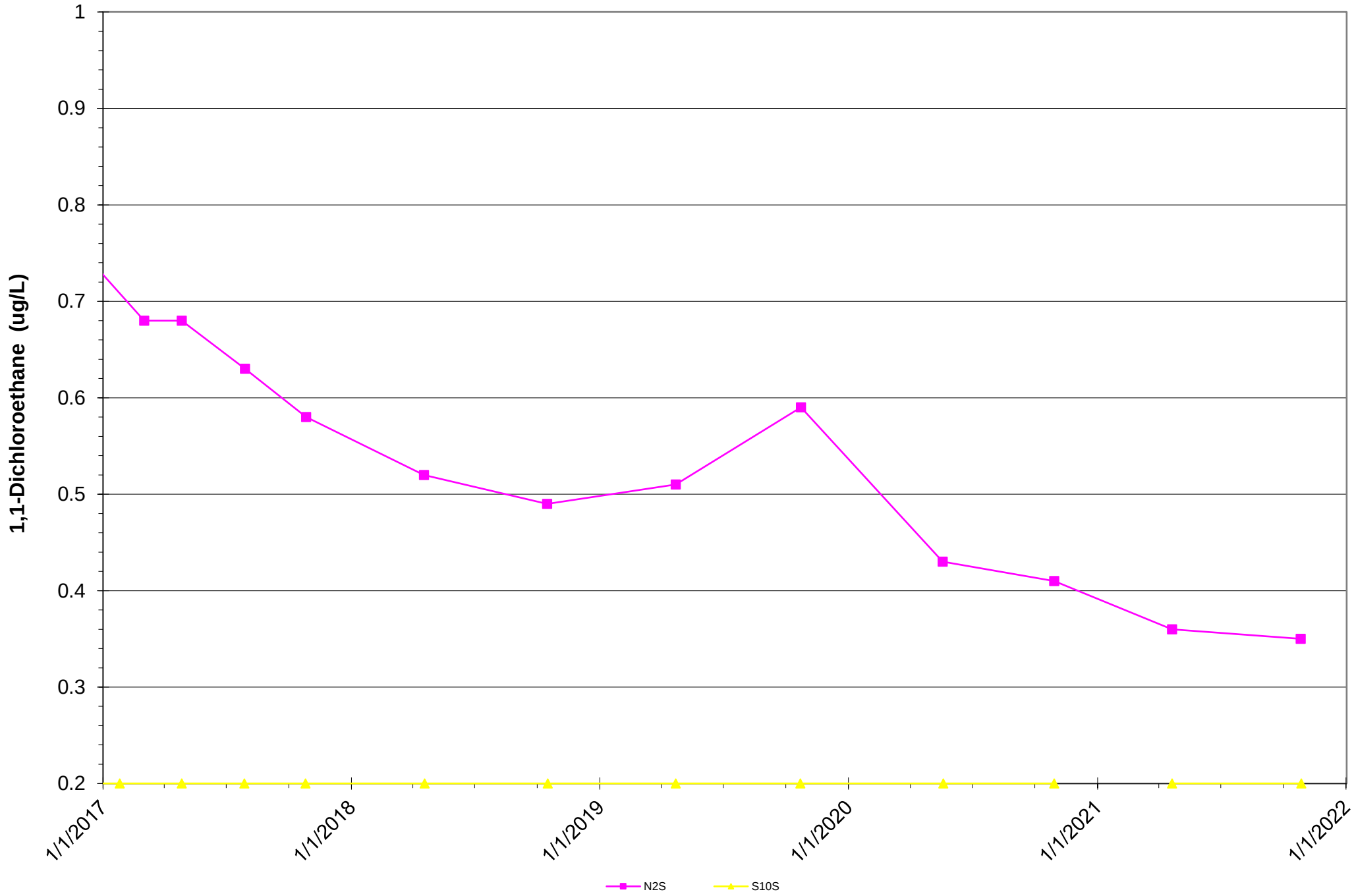


Table C30 - Methylene Chloride Time Series
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

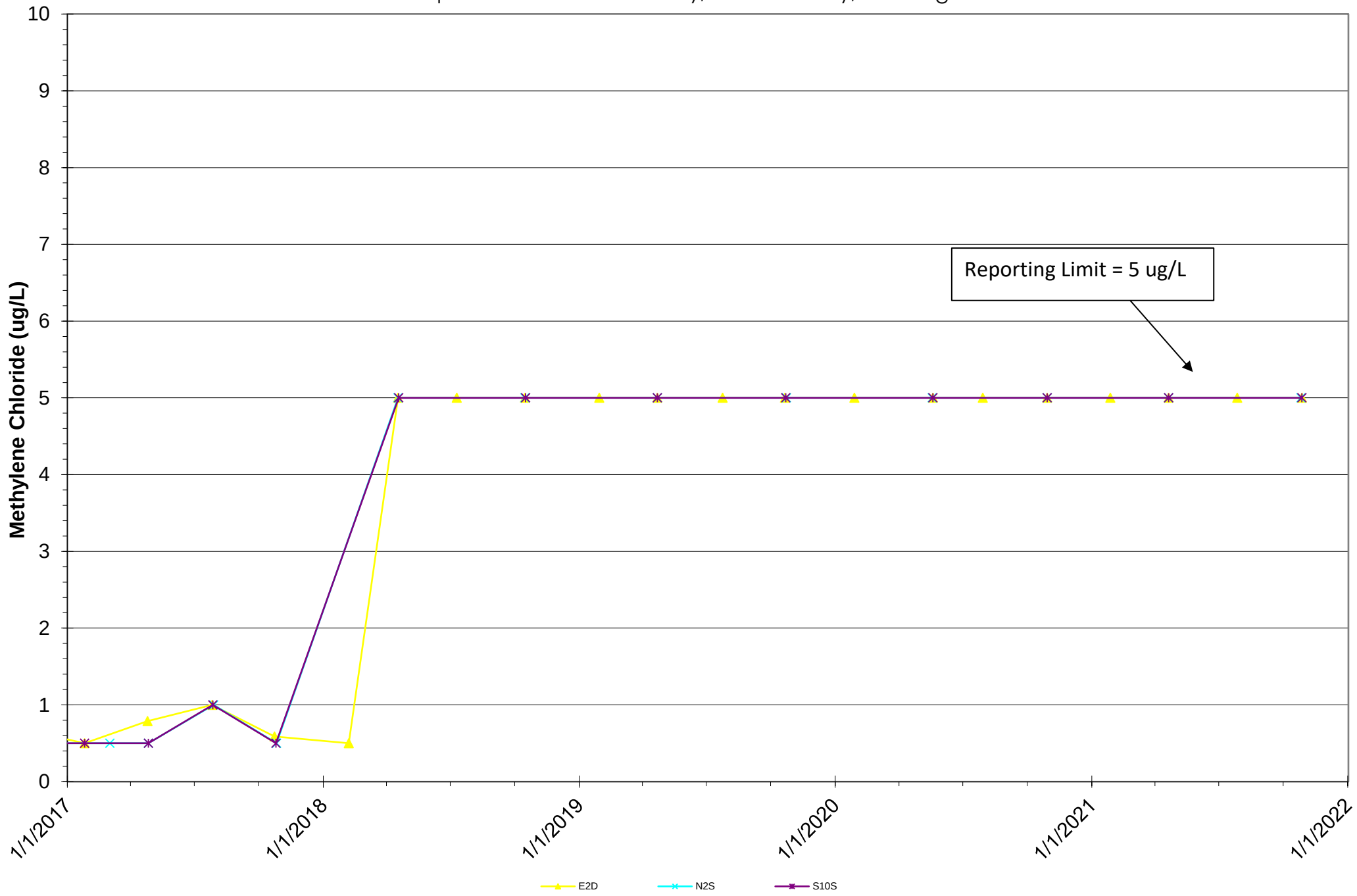


Table C31 - Vinyl ChlorideTime Series - Aquifer 1
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

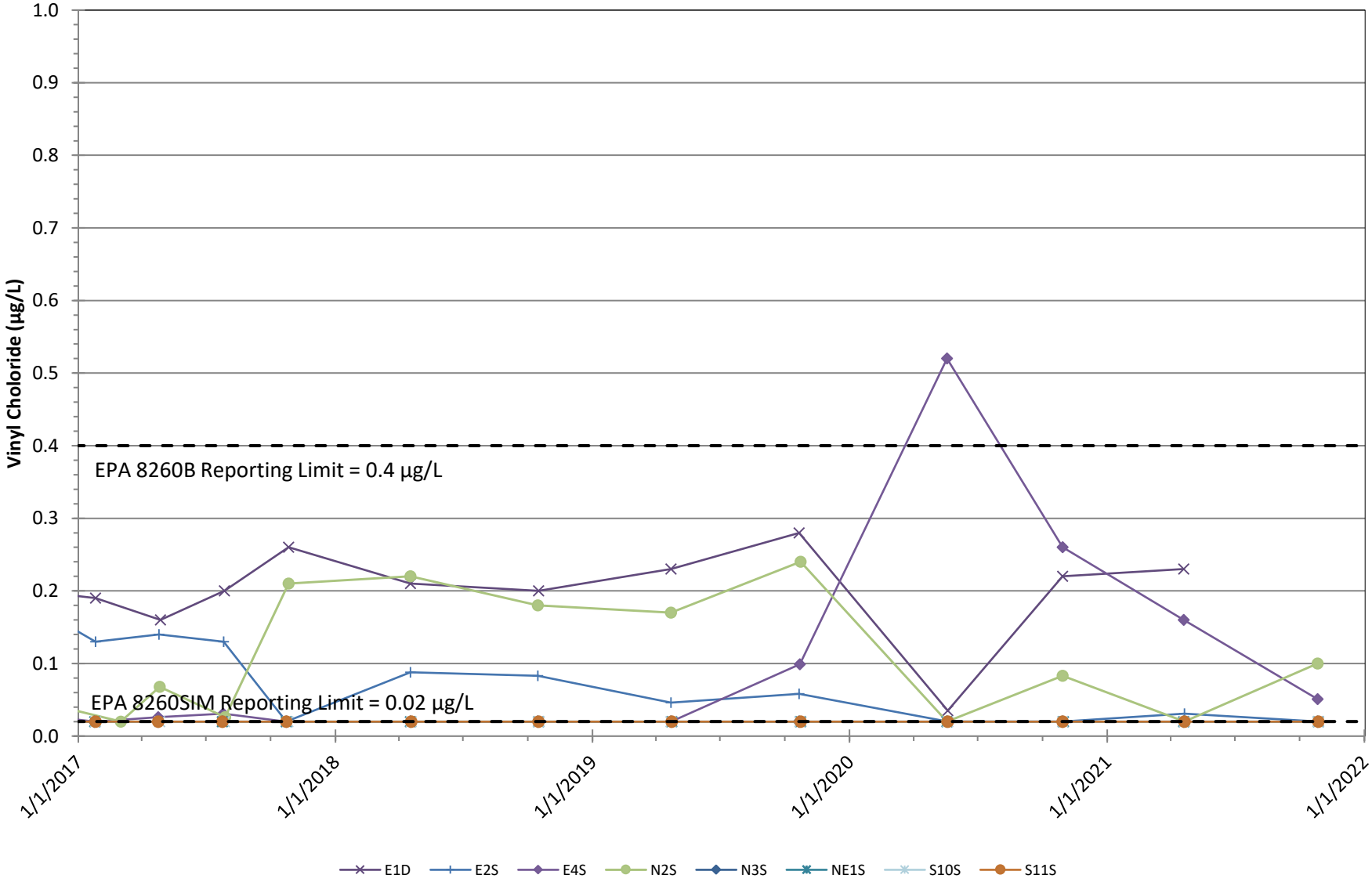


Table C32 - Vinyl ChlorideTime Series - Aquifer 2 (High Range)
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

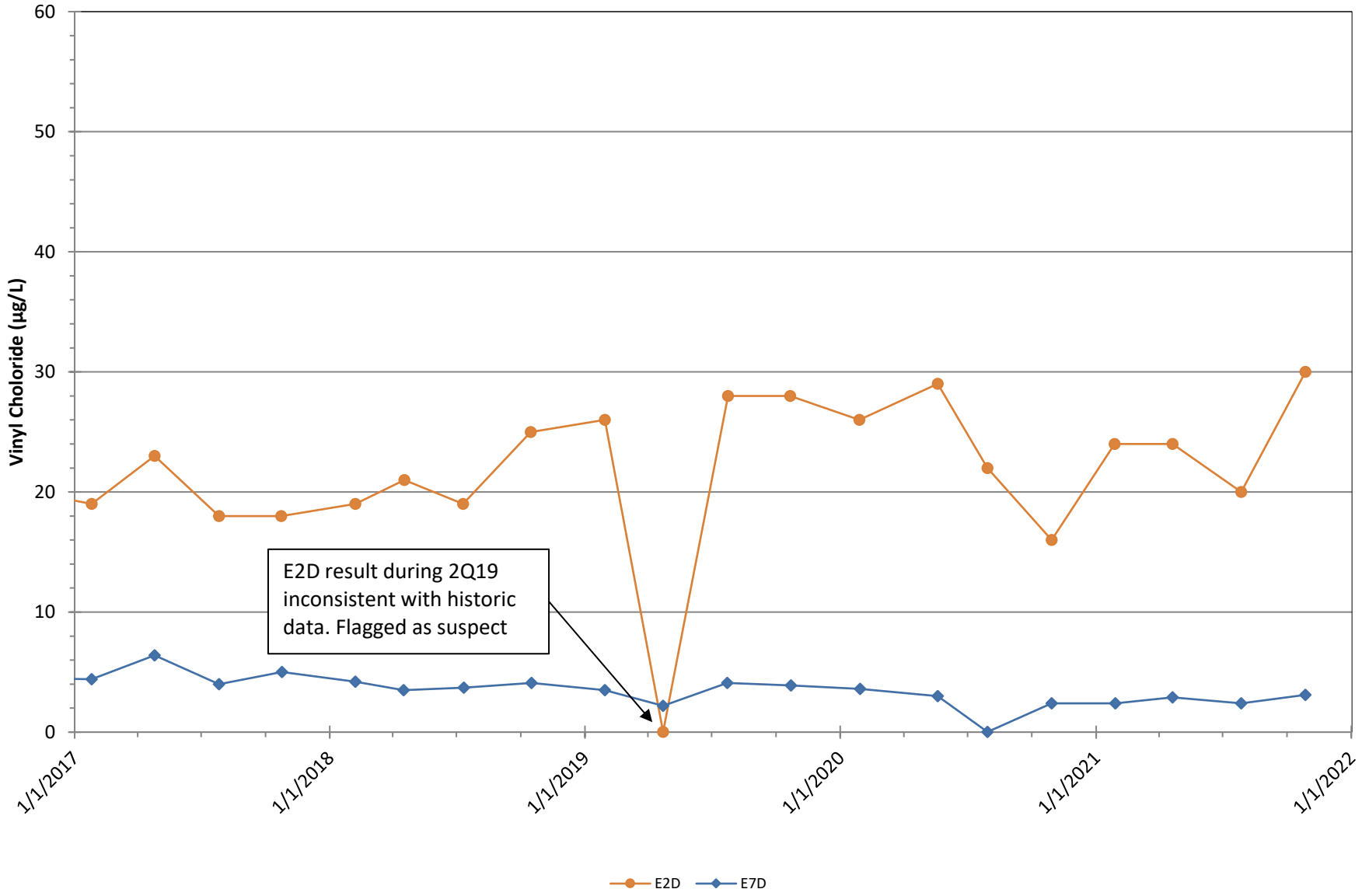


Table C33 - Vinyl ChlorideTime Series - Aquifer 2 (Low Range)
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

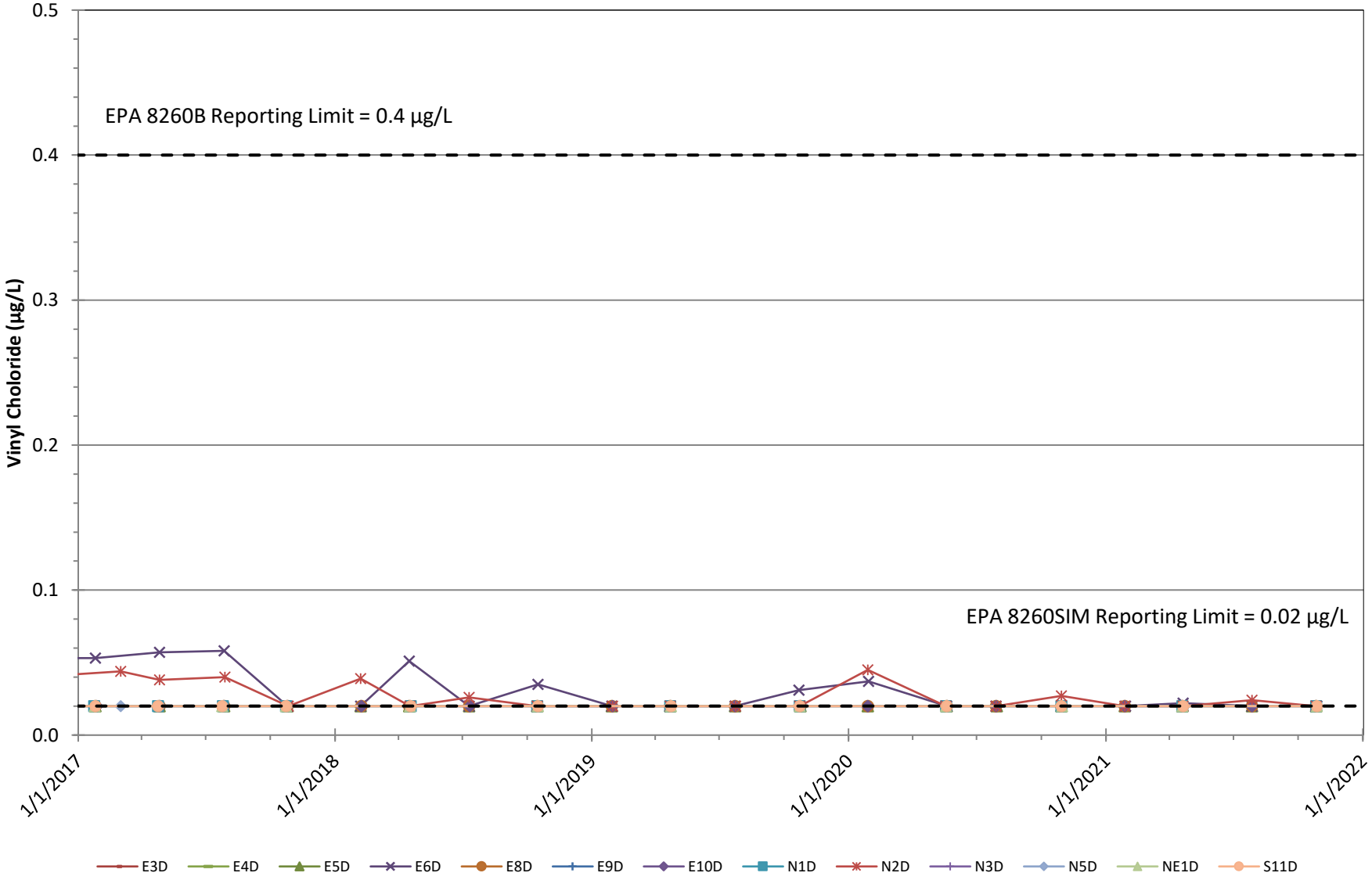
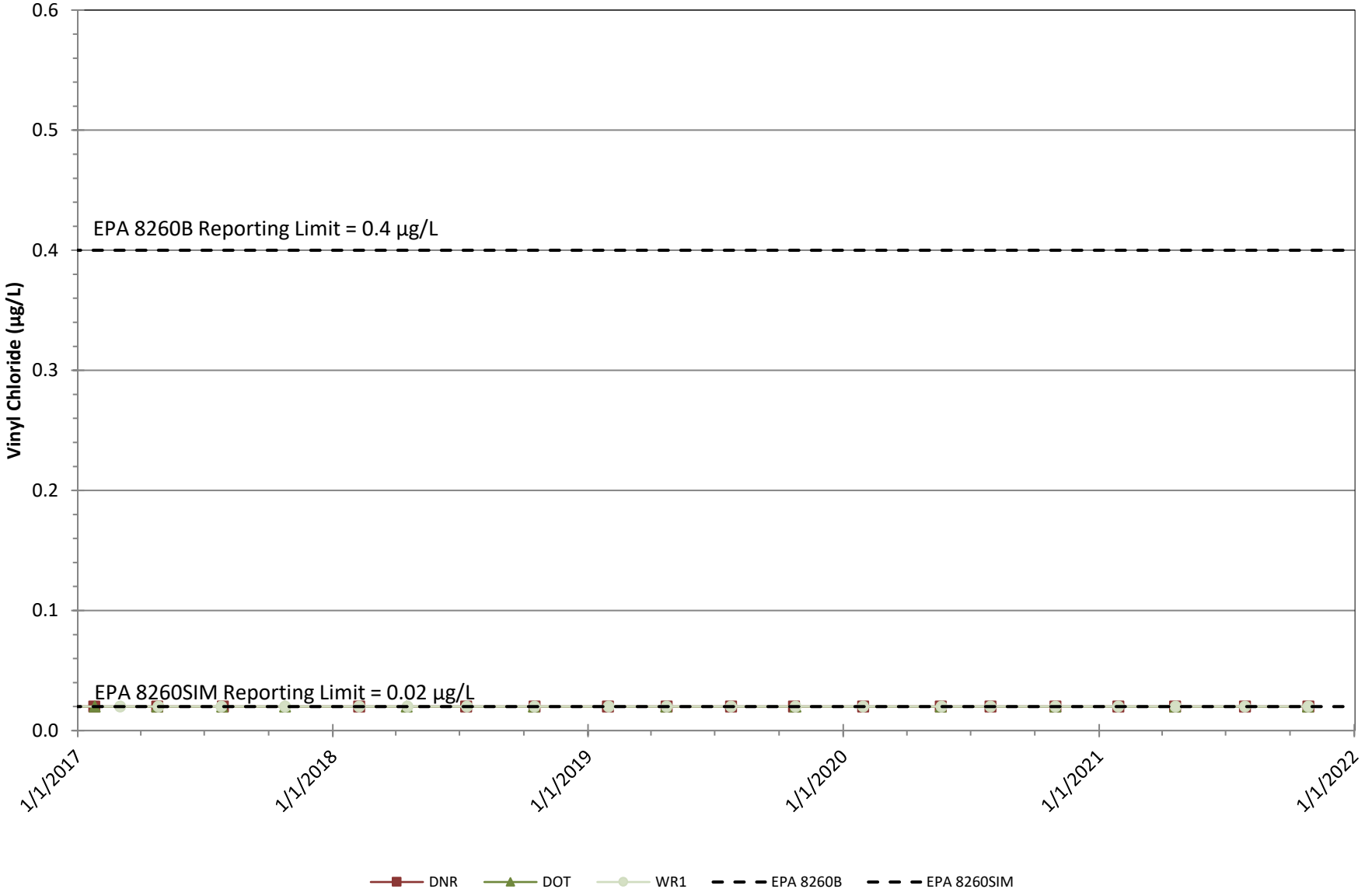


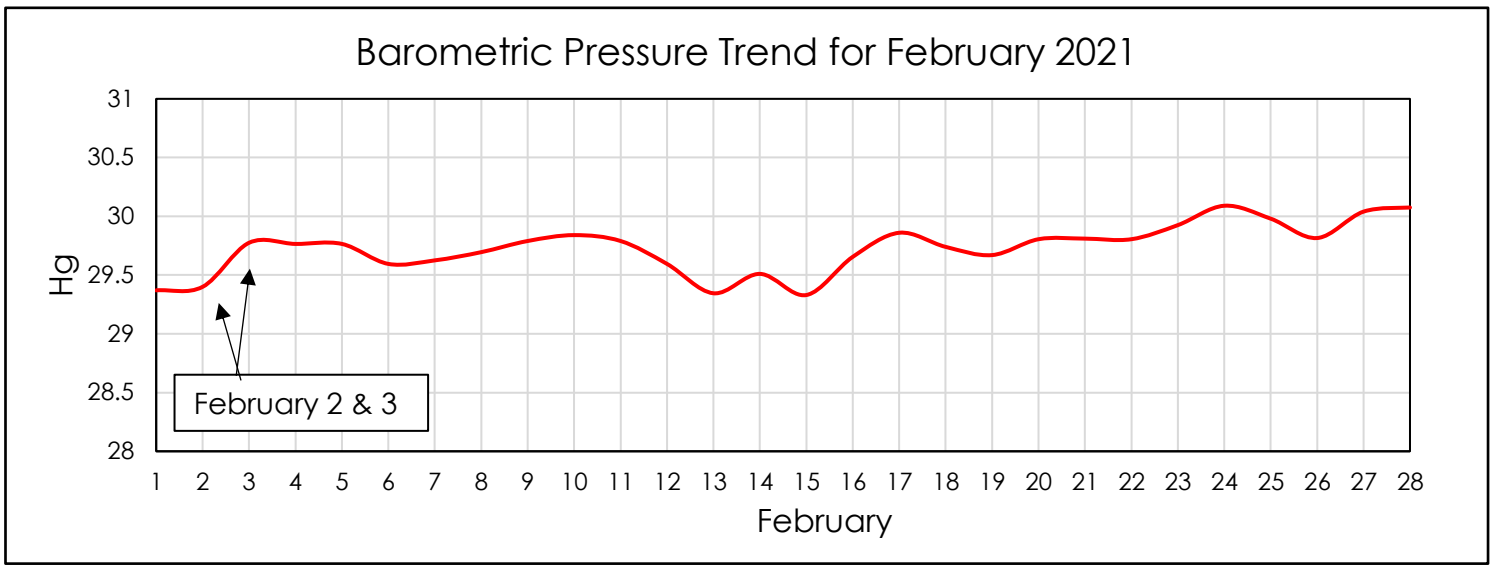
Table C34 - Vinyl ChlorideTime Series - Pumping Wells
2021 Annual Monitoring Report
Coupeville Solid Waste Facility, Island County, Washington

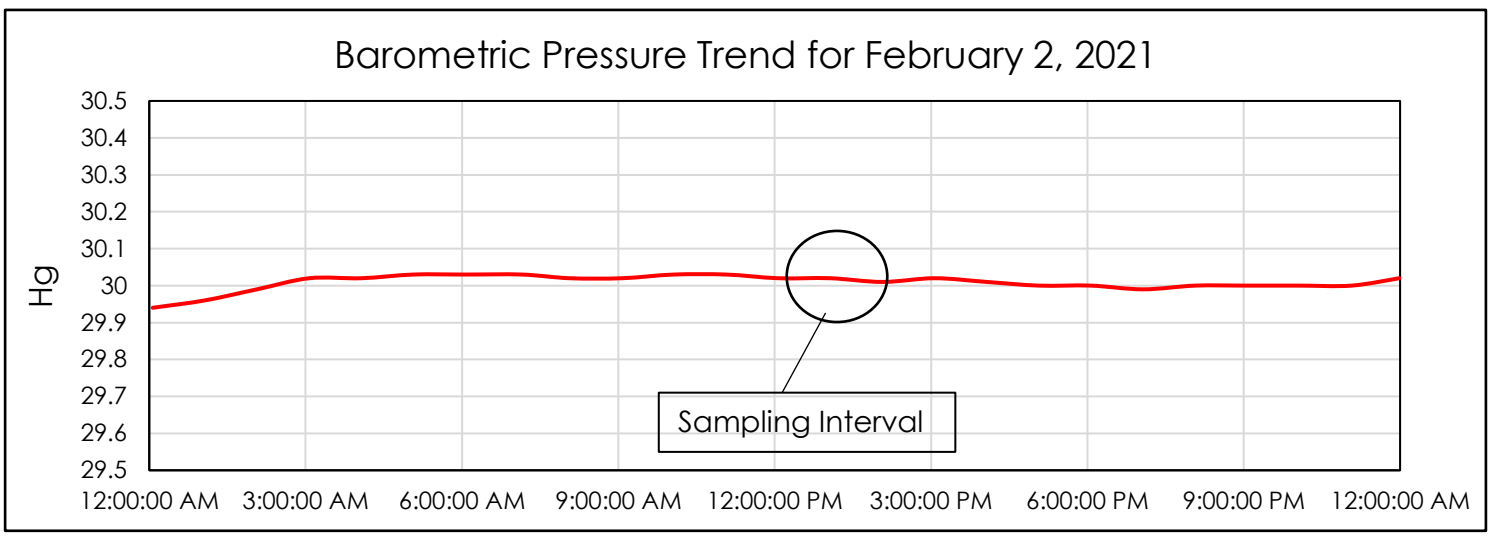


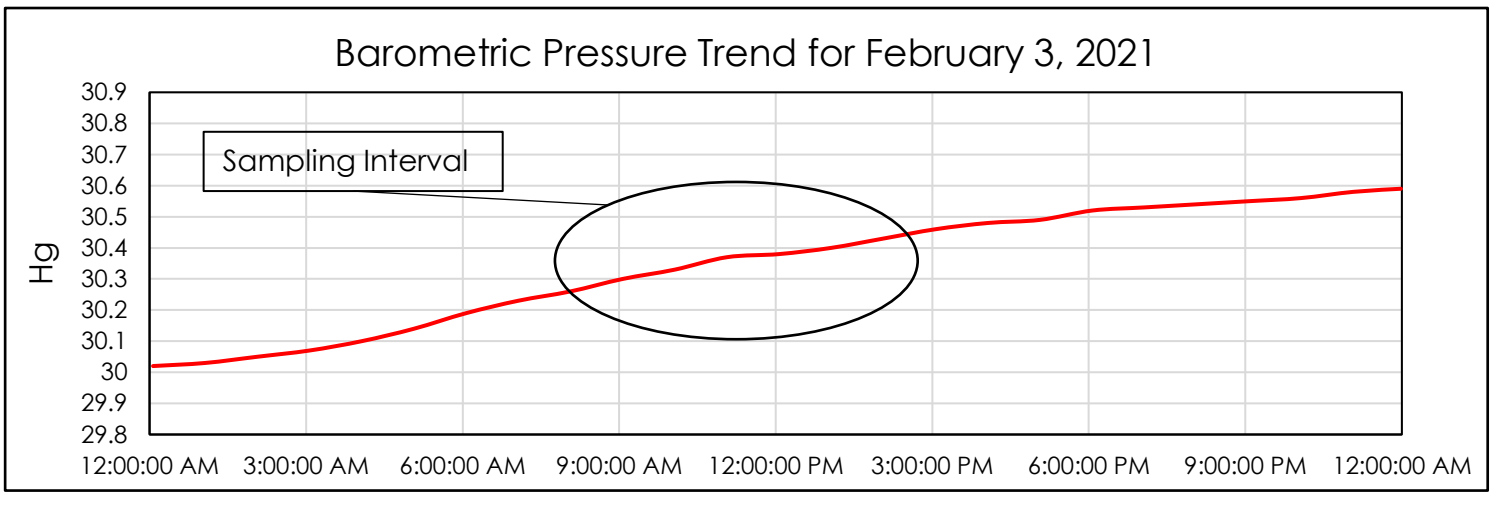
Appendix D

2021 Barometric Pressure Data

Figure D-1 Barometric Pressure Trends - February 2021
First Quarter 2021 Data Review
Coupeville Solid Waste Facility, Island County, Washington



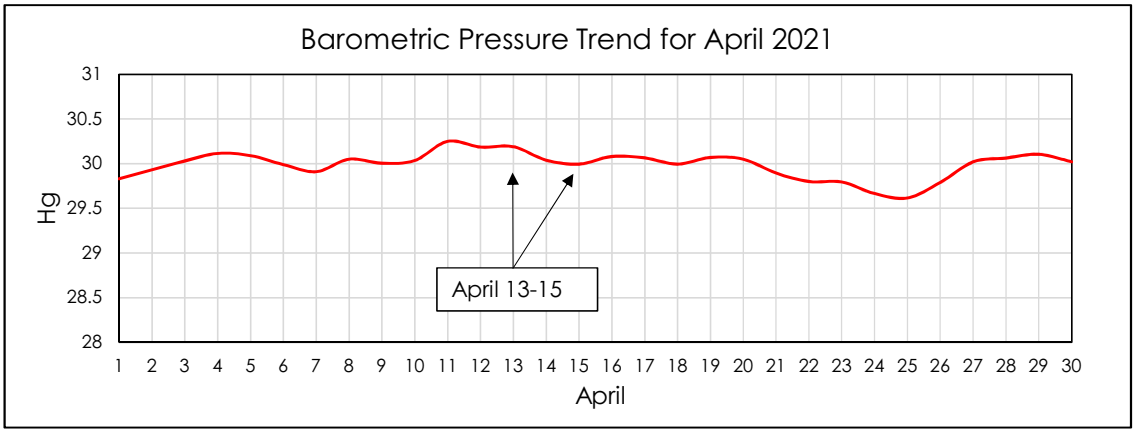


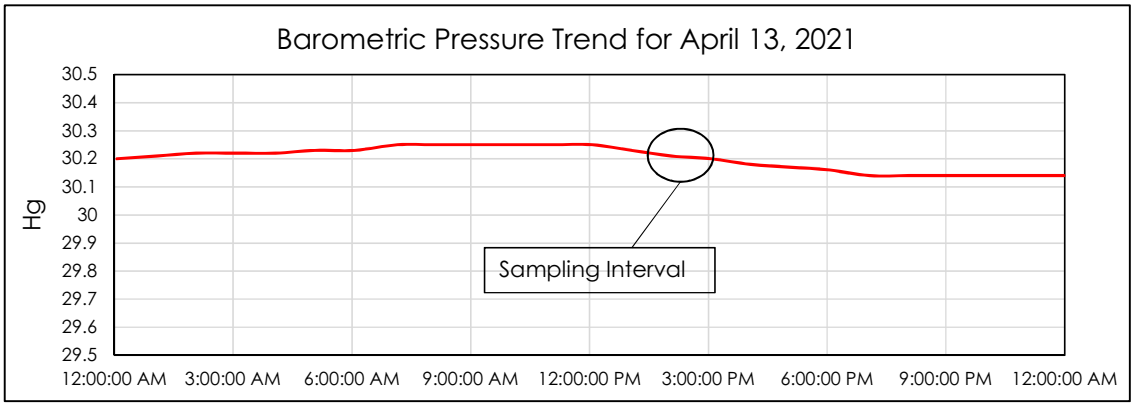


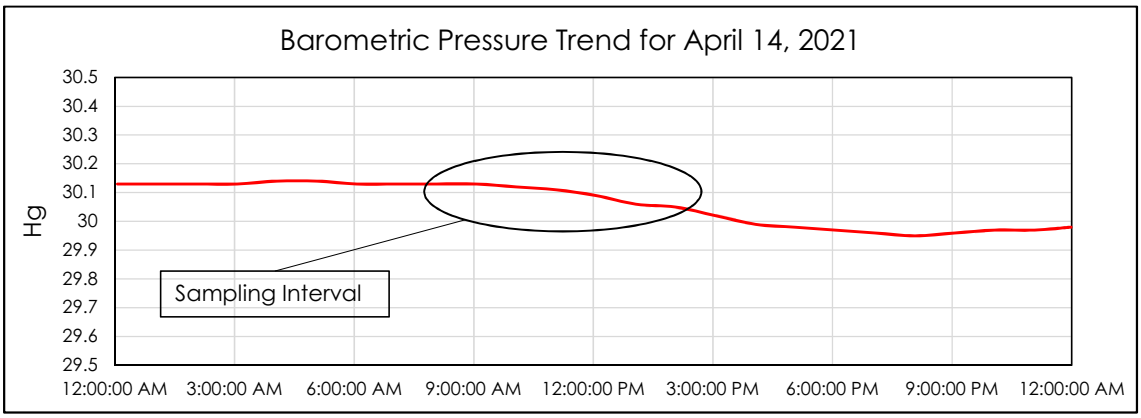
Source: Coupeville, WA - Wunderground
Lat: 48.22 Long: 122.68 Elev: 138 ft-AMSL

Data Sources: https://www.wunderground.com/dashboard/pws/KWACOUPE31/table/2021-02-3/2021-02-3/monthly

Figure D-2 Barometric Pressure Trends - April 2021
Second Quarter 2021 Data Review
Coupeville Solid Waste Facility, Island County, Washington







Source: Coupeville, WA - Wunderground
Lat: 48.22 Long: 122.68 Elev: 138 ft-AMSL

Data Sources: https://www.wunderground.com/dashboard/pws/KWAOAKHA170/table/2021-04-15/2021-04-15/monthly

Figure D-2 Barometric Pressure Trends - April 2021
Second Quarter 2021 Data Review
Coupeville Solid Waste Facility, Island County, Washington

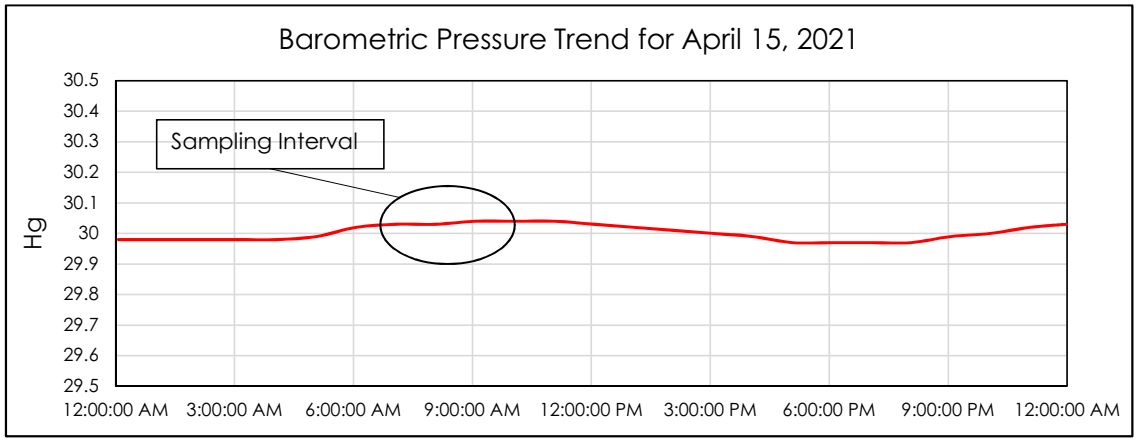
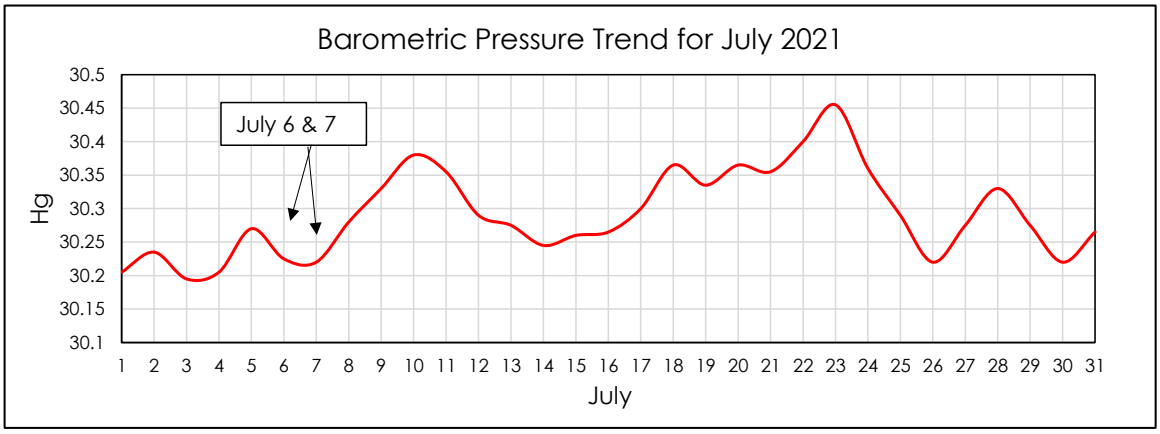
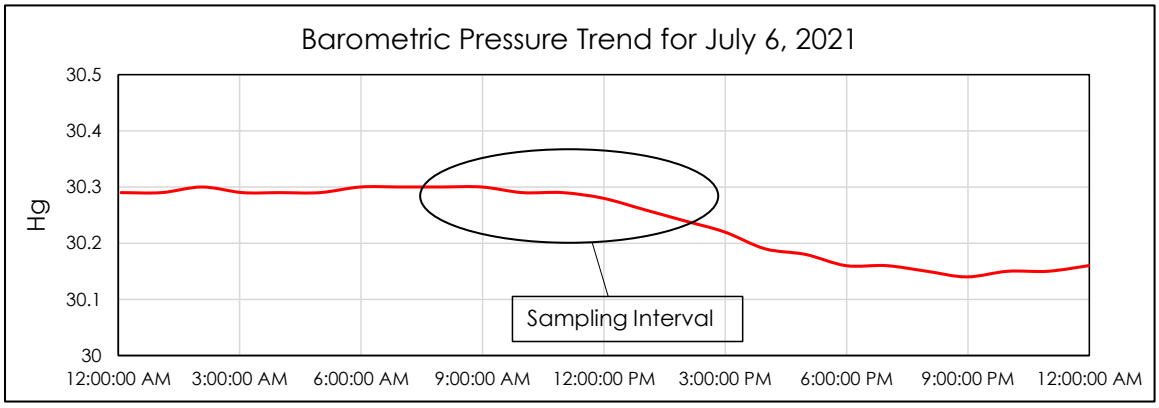
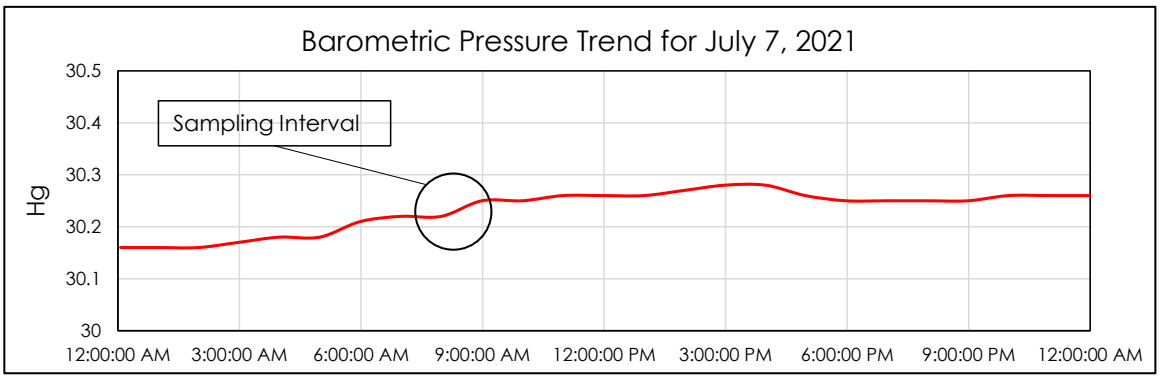


Figure D-3 Barometric Pressure Trends - July 2021
Third Quarter 2021 Data Review
Coupeville Solid Waste Facility, Island County, Washington



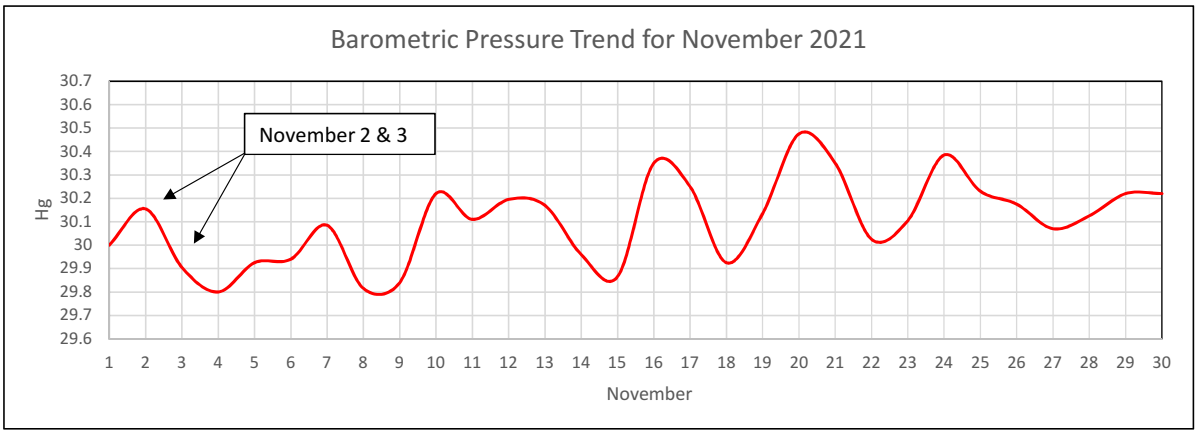


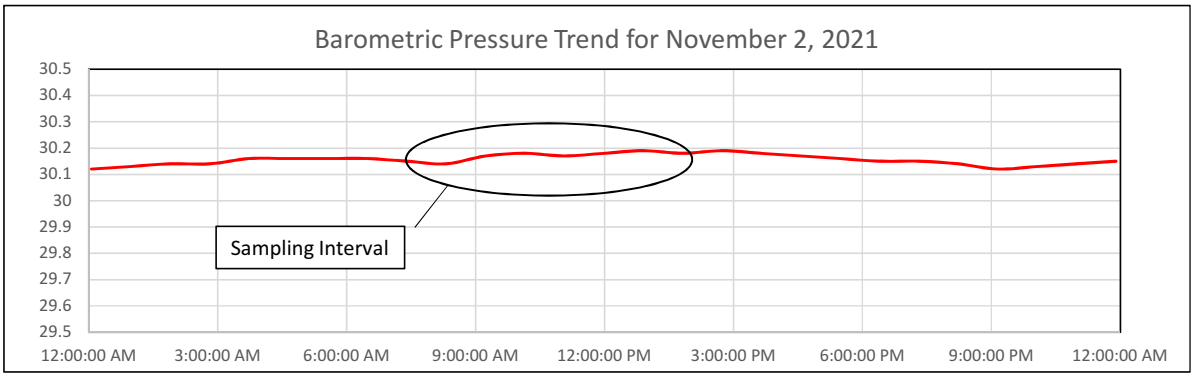


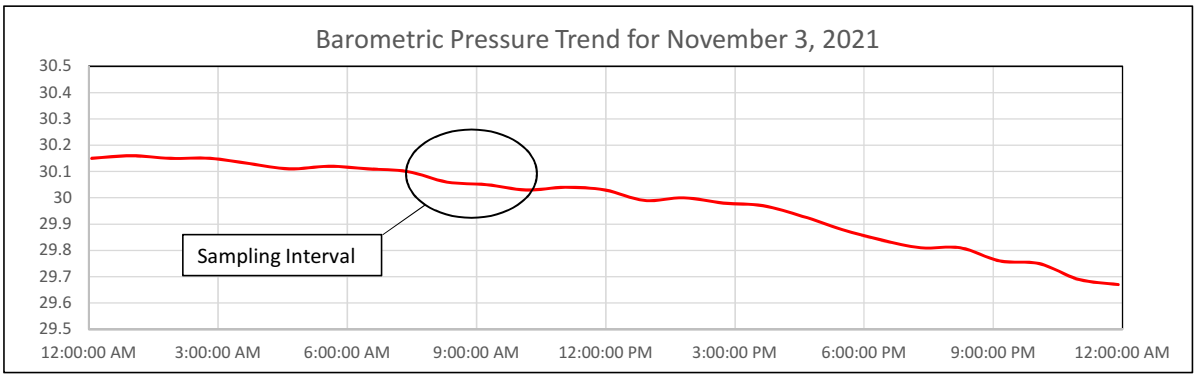
Source: Coupeville, WA - Wunderground
Lat: 48.22 Long: 122.68 Elev: 138 ft-AMSL

Data Sources: https://www.wunderground.com/dashboard/pws/KWACOUPE31/table/2021-07-7/2021-07-7/monthly

Figure D-4. Barometric Pressure Trends - November 2021
Fourth Quarter 2021 Data Review
Coupeville Solid Waste Facility, Island County, Washington







Source: Coupeville, WA - Wunderground
Lat: 48.22 Long: 122.68 Elev: 138 ft-AMSL

Data Sources: https://www.wunderground.com/dashboard/pws/KWAPUYAL102/table/2021-11-2/2021-11-2/daily