

Spring 2023 Groundwater Monitoring Report: Town of Hinesburg, Closed Solid Municipal Waste Landfill

907 Beecher Hill Rd., Hinesburg, VT
September 18, 2023



STONE
ENVIRONMENTAL



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Title and Approval Page

Document Title

Spring 2023 Groundwater Monitoring Report: Town of Hinesburg, Closed Solid Municipal Waste Landfill

September 18, 2023

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Executive Summary

Stone Environmental, Inc (Stone) has prepared this report to summarize findings from May 2023 semi-annual groundwater monitoring completed at the closed solid waste municipal landfill in Hinesburg, Vermont. The primary objective of this work was to assess groundwater and drinking water contamination related to leachate migration from the landfill. Stone has prepared this Semi-Annual Groundwater Monitoring Report on behalf of the Town of Hinesburg. Monitoring was completed in accordance with Stone's *Post Closure Plan, Town of Hinesburg, Closed Municipal Solid Waste Landfill*, dated November 18, 2021.

The landfill is located on a larger 38-acre parcel owned by the Town of Hinesburg. The landfill operated from 1972 until 1988 and the landfill was closed with a permanent cap by 1992. The landfill accepted municipal solid waste from the Town of Hinesburg and the Town of Richmond. The parcel is also the site of a Chittenden Solid Waste District (CSWD) transfer station, a Vermont Astronomical Society observatory (northeast corner, off Observatory Road), a sand and gravel pit located south of the landfill and the Town Highway Garage located southeast of the landfill. There are several residential properties adjoining the landfill to the west, located on Forest Edge Road. Beecher Brook is located approximately 550 feet east of the landfill and runs north to south.

A closure plan was prepared for the landfill in 1990, however the historic environmental monitoring requirements included in the closure plan were never implemented except for drinking water supply sampling at three locations for 20 years. During this monitoring, methylene chloride was detected below the Vermont Groundwater Enforcement Standard (VGES) and iron and manganese above secondary drinking water standard. In July 2021, the VT DEC collected five water supply well samples and found exceedances of VGES for methylene chloride at 152 Forest Edge Road and polyfluoroalkyl substances (PFAS) in the Hinesburg Highway Garage water supply. In June 2021, vinyl chloride and manganese exceeded the VGES in bedrock monitoring well MW-3D, downgradient of the landfill. A Site Investigation conducted by Stone in 2021 included the installation of additional monitoring wells, as well as point-of-entry treatment (POET) systems at 152 Forest Edge and the Hinesburg Highway Garage. Based on Site Investigation results, Stone provided a recommendation for semi-annual groundwater monitoring.

Groundwater, drinking water, and surface water monitoring fieldwork was completed in 2023. Sampling occurred on January 27, March 21, April 5, May 30 and 31, June 1, June 14, and July 13, 2023. Seven monitoring wells were sampled and analyzed for PFAS, volatile organic compounds (VOCs), total metals, sodium, chloride, and chemical oxygen demand. Drinking water samples were collected from 182 Forest Edge Road, 413 North Road, 490 North Road, 794 Beecher Hill Road, 206 Forest Edge Road, 455 North Road, and 714 Beecher Hill Road. It should be noted that 455 North Road is a shallow overburden well used as a non-potable source for a construction company. POET systems were sampled at 152 Forest Edge Road, 685 Beecher Hill Road/56 Forest Edge Road, and 907 Beecher Hill Road (Hinesburg Highway Garage). Drinking water was analyzed for VOCs and PFAS. Surface water was monitored for physiochemical parameters upstream and downstream of the landfill.

Based on the results of the Spring 2023 groundwater monitoring, Stone presents the following conclusions:

- Perfluorooctanoic acid (PFOA) was detected in groundwater above the VGES in monitoring wells MW-3D, MW-3S, and MW-4S. Perfluoroheptanoic acid (PFHpA) was detected in groundwater above the VGES in monitoring well MW-3S and MW-3D, and perfluorohexanesulfonic acid (PFHxS) was detected above VGES in monitoring well MW-3D. Total regulated PFAS exceeded VGES in each of these wells.
 - The monitoring wells with PFAS exceedances are located hydraulically downgradient from the landfill.
 - The downward hydraulic flow component from the overburden to bedrock aquifer, the steep overburden hydraulic gradient, and the lack of a confining layer (overburden soils consisted of sand and gravel) is allowing the leachate contamination to migrate significantly from the landfill. The extent of migration has not been defined to the southeast.
- Arsenic was detected above VGES in groundwater collected from wells MW-2S, MW-2D, MW-4S, and MW-3D. Lead exceeded VGES in MW-4D. Manganese exceeded VGES in MW-2S, MW-3S, MW-3D, MW-4S, and MW-4D.
 - The generally reducing groundwater environment observed surrounding the landfill may be driving reductive dissolution of heavy metals from landfill material or from native soils. Reducing conditions were not observed in MW-2D or MW-4D, but both wells had metal concentrations exceeding VGES.
- Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<7,500 micrograms per liter [$\mu\text{g/L}$]; MW-1R, MW-4D, MW-2S, MW-2D) to 39,500 $\mu\text{g/L}$ (MW-3D). Sodium concentrations in groundwater ranged from 1,880 $\mu\text{g/L}$ (MW-1R) to 75,400 $\mu\text{g/L}$ (MW-3D).
 - Based on chloride and sodium concentrations, it appears that leachate is migrating from the landfill in both a southern and southeastern direction, where the bedrock aquifer southeast of the landfill has the highest concentrations of leachate indicator parameters.
- Chemical oxygen demand (COD) in groundwater was below laboratory reporting limits except for MW-4D (173 mg/L).
 - The relatively low COD concentrations are consistent with a mature closed landfill.
- Drinking water supply well, Hinesburg Highway Garage (907 Beecher Hill Road), has PFOA and total regulated PFAS concentrations above the Drinking Water Health Advisory Level (DWHA)/VGES. The PFAS contamination appears to be migrating through the bedrock aquifer in transmissive zones of weathered bedrock including soft seams of orange ochre (clay and sand). 56 Forest Edge Road and 685 Beecher Hill Road have detections of PFOA and PFOS below VGES/DWHA during the May 2023 event; however, previously had total regulated PFAS exceedances above DWHA/VGES. The PFAS contamination appears to be migrating through the overburden groundwater southwest of the landfill.
 - 152 Forest Edge Road has detections of PFOA and PFHpA below VGES/DWHA.
 - The POET systems installed at the Highway Garage, 152 Forest Edge Road, 56 Forest Edge Road, and 685 Beecher Hill Road are effective at removing PFAS to below laboratory reporting limits in both the mid and effluent locations.
- No VOCs were detected above VGES concentrations in any of the overburden groundwater.
- Methylene chloride was detected above the VGES in 152 Forest Edge Road drinking water supply. The source of methylene chloride has not been determined.
 - The POET system installed at 152 Forest Edge Road had a breakthrough of methylene chloride above the DWHA/VGES in the effluent during the May 2023 monitoring. The GAC vessels were

replaced on July 7, 2023, and VOCs were not detected in the effluent location above laboratory reporting limits post GAC vessel replacement.

- Drinking water samples were collected from six drinking water supply wells in March/April 2023 and a confirmation event was performed in June 2023. VOCs and PFAS were not detected above laboratory reporting limits in any of the water supply wells during either event.
 - Five private water supplies (714 Beecher Hill Road, 206 Forest Edge Road, 794 Beecher Hill Road, 182 Forest Edge Road, and 413 North Road) have three rounds of data with all non-detect at the laboratory reporting limit for VOCs and PFAS, and one water supply well (490 North Road) has two rounds of data will all non-detect at the laboratory reporting limit for VOCs and PFAS.
- Surface water physiochemical parameters upstream and downstream of the landfill were similar, with aerobic conditions in surface water and low conductivity. Leachate does not appear to be migrating to surface water.

Based on these data, Stone makes the following recommendations:

1. Continued semi-annual monitoring of seven monitoring wells, MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D for PFAS, VOCs, total metals including arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc, chloride, sodium and COD.
2. Continued semi-annual monitoring of two surface water locations (upgradient and downgradient of the landfill) in Beecher Brook for physical and chemical field parameters including pH, specific conductance, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity.
3. Based on the location of 455 North Road as a compliance point downgradient and south of the landfill, and the detection of PFOS above the laboratory reporting limit, 455 North Road should be monitored on a semi-annual basis to establish PFAS trends.
4. Continued semi-annual monitoring of POET systems including 152 Forest Edge Road, 56 Forest Edge Road, 685 Beecher Hill Road, and Hinesburg Highway Garage for PFAS and VOCs.
5. Continued operations and maintenance of the POET systems.
6. Complete a confirmation drinking water assessment at nearby residential properties in the Fall of 2023. The drinking water samples shall be analyzed for PFAS and VOCs in October 2023. The locations are as follows:
 - i. 413 North Road
 - ii. 206 Forest Edge Road
 - iii. 714 Beecher Hill Road
 - iv. 182 Forest Edge Road
 - v. 490 North Road
 - vi. 794 Beecher Hill Road
7. If the preventive action level (PAL) as established by the Groundwater Protection Rule and Strategy (GWPRS) §12-602 is exceeded at any of the water supply wells, then additional drinking water locations will be evaluated to be monitored. If PFAS and VOCs are not detected above the PAL at the water supply wells during the October 2023 event, then monitoring shall cease.

Spring 2023 Groundwater Monitoring Report: Town of Hinesburg, Closed Solid Waste Municipal Landfill

Cover Photo: Aerial view of closed Hinesburg landfill.

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1. Introduction

Stone Environmental, Inc (Stone) has prepared this report to summarize findings from Spring 2023 semi-annual groundwater monitoring completed at the closed solid waste municipal landfill in Hinesburg, Vermont (Figure 1). The primary objective of this work was to assess groundwater and drinking water contamination related to leachate migration from the landfill. Stone has prepared this Semi-Annual Groundwater Monitoring Report on behalf of the Town of Hinesburg. Monitoring was completed in accordance with Stone's *Post Closure Plan, Town of Hinesburg, Closed Municipal Solid Waste Landfill*, dated November 18, 2021.

1.1. Site Description

The landfill is located at approximately 44.32285° north latitude and -73.07751° west longitude at an elevation of approximately 690 feet above sea level in the Town of Hinesburg, Vermont. The landfill is located on a larger 38-acre parcel owned by the Town of Hinesburg. The parcel is also the site of a Chittenden Solid Waste District (CSWD) transfer station, a Vermont Astronomical Society observatory (northeast corner, off Observatory Road), a sand and gravel pit located south of the landfill, and the Town Highway Garage located southeast of the landfill. There are several residential properties adjoining the landfill to the west, located on Forest Edge Road. Beecher Hill Brook is located approximately 550 feet east of the landfill and runs north to south.

The landfill operated from 1972 until 1988 and the landfill was closed with a permanent cap by 1992. The landfill accepted municipal solid waste from the Town of Hinesburg and the Town of Richmond. In November 2022, the permanent cap was improved with additional topsoil, seed and erosion control measures including a drainage swale on the eastern portion of the landfill.

1.2. Previous Environmental Investigations

In 1987, the Vermont Department of Environmental Conservation (VT DEC) performed a groundwater quality assessment of several onsite monitoring wells and sampled offsite water supply wells. A summary of the assessment indicated that organic and inorganic compounds were detected in various water supply wells; however, organic and inorganic compounds concentrations did not exceed relevant regulatory criteria. The groundwater assessment identified monitoring well CH28-05 as having the highest concentrations of organic and inorganic compounds. Following the groundwater quality assessment, based on the location of the landfill in a geologically sensitive area (bedrock underlying the landfill was suspected to be highly fractured), and limited future capacity of the landfill, the Town of Hinesburg agreed to permanently close the landfill.

In 1990, a closure plan was approved for the landfill, prepared by Donald L. Hamlin, Consulting Engineers. Post-closure monitoring included semi-annual sampling of six groundwater monitoring wells, two surface water locations and six water supply wells for 20 years. The analysis in groundwater included eight dissolved metals (cadmium, chromium, copper, iron, manganese, nickel, lead, and zinc), chemical oxygen demand, chloride, pH, conductivity, and temperature. The analysis in surface water and water supply wells were the

same except for total metals instead of dissolved metals. The water supply wells planned to be sampled included the following:

- T. Francis residence, drilled bedrock well (206 Forest Edge Road)
- R. Mellow residence, drilled bedrock well (It is surmised that R. Mellow residence is the same location as the Mello residence located at 182 Forest Edge Road)
- C. Imlah residence, drilled bedrock well (unknown address)
- Rolfe residence, drilled bedrock well (unknown address)
- Hinesburg Town Shed water supply, dug surface well (907 Beecher Hill Road)
- D. Smallwood residence, dug surface well fed by a spring which also serves the Hurd residence (56 Forest Edge Road and 685 Beecher Hill Road)

In 1991, the VT DEC Solid Waste Management Program performed groundwater, surface water, and nearby water supply well monitoring at the landfill. The monitoring reports are not available for review. It is our understanding that no additional monitoring of the groundwater monitoring wells occurred until 2021.

Three water supply wells located along Forests Edge Road were monitored by the Town of Hinesburg for 20 years (1988 until 2009); however, the monitoring reports are not available for review. In 2003, volatile organic compounds (VOCs), and metals analysis were added to the monitoring list. Between 2003 and 2009, methylene chloride was detected in one of three wells at concentrations below the Vermont Groundwater Enforcement Standards (VGES). Iron and manganese were detected in one of the three wells at concentrations above the secondary drinking water standards. The 2009 water supply well sampling results were available for the three water supply wells including Dinitz (152 Forest Edge Road), Hurd/Cioffori (56 Forest Edge Road and 685 Beecher Hill Road), and Hinesburg Highway Garage (907 Beecher Hill Road). Methylene chloride was detected in the location Dinitz (152 Forest Edge Road).

In 2018, the Hinesburg Highway Garage had a new water supply well installed in bedrock to 245 feet. There is a Jaswell® seal installed to 210 feet with the water bearing fracture from 210 to 245 feet in limestone and soft ochre. The yield of the well was tested at 60 gallons per minute.

In 2020, Acorn Energy Solar planned to redevelop the landfill into a solar farm. Prior to the redevelopment, in July 2021, the VT DEC collected five water supply well samples, including the Turner residence (152 Forest Edge Road), the Hinesburg Highway Garage (907 Beecher Hill Road), the Dente and the Hurd/Cioffari residences (56 Forest Edge Road and 685 Beecher Hill Road, share a shallow dug well located on the Hurd/Cioffari property), the Mello residence (182 Forest Edge Road), and the Borys residence (794 Beecher Hill Road). Water supply samples were analyzed for VOCs and polyfluoroalkyl substances (PFAS) and results indicated exceedances of VGES for methylene chloride in the Turner residence and PFAS in the Hinesburg Highway Garage water supply.

In June 2021, Lincoln Applied Geology of Lincoln, Vermont (LAG) collected two groundwater samples from monitoring wells crossgradient and downgradient of the landfill. The monitoring wells were named arbitrarily as MW-2 and MW-5 and appeared to be screened in the bedrock (based on the closure plan from 1990, MW-2 is MW-2D and MW-5 is MW-3D). No VOCs were detected in MW-2 above laboratory reporting limits and metals were detected below VGES. Vinyl chloride and manganese exceeded the VGES in MW-5.

The VT DEC sampled additional water supply wells in September 2021 including 714 Beecher Hill Road and 413 North Road, and in October 2021 including 107 Observatory Road. There were no PFAS or VOCs detected above the laboratory reporting limit in these water supply wells.

Stone performed a Site Investigation in 2021 to assess groundwater and drinking water quality at the closed municipal solid waste landfill due to VOCs and PFAS contamination in nearby drinking water supply wells, including 152 Forest Edge Road and 907 Beecher Hill Road (Hinesburg Highway Garage). The Site Investigation also included the installation of point-of-entry treatment (POET) systems for the water supplies at 152 Forest Edge Road and 907 Beecher Hill Road. The existing monitoring well network was expanded with two additional wells, MW-4S/MW-4D. The results of the groundwater assessment indicated perfluoroheptanoic acid (PFHpA), perfluorohexanesulfonic acid (PFHxS), and perfluorooctanoic acid (PFOA) were detected above the Vermont Groundwater Enforcement Standard (VGES) in MW-3S and MW-3D. Total regulated PFAS were measured above the VGES in monitoring wells MW-3S, MW-3D, MW-4S, and MW-4D. No VOCs were detected above the VGES in any of the groundwater samples. Arsenic was detected above the VGES in MW-2S, MW-2D, MW-3S and MW-4S and lead exceeded the VGES in MW-4D. Manganese exceeded the VGES in all monitoring wells. For drinking water, total regulated PFAS exceeded the Drinking Water Health Advisory (DWHA) level of 20 nanograms per liter (ng/L) and the VGES at 907 Beecher Hill Road (Hinesburg Highway Garage). Methylene chloride exceeded the DWHA/VGES at 152 Forest Edge Road.

Stone performed semi-annual post-closure monitoring in May and October 2022. Due to PFAS exceedances in a shared shallow well located on 685 Beecher Hill Road, POET systems were installed for both 685 Beecher Hill Road and 56 Forest Edge Road. Additionally, following the October 2022 monitoring event it was recommended to expand the drinking water monitoring to additional residential properties. Results of the drinking water monitoring are documented in Section 2.4 and 3.4 of this report.

2. Methods

2.1. Deviations to proposed scope of work

The following deviations of the post-closure plan occurred during the Fall 2022 monitoring:

1. A breakthrough of methylene chloride occurred in the effluent sample from 152 Forest Edge Road during the May 2023 sampling event. Due to the breakthrough, both granular activated carbon (GAC) vessels were changed on July 7, 2023, and the effluent of the treatment system was sampled on July 13, 2023.

2.2. Low Flow Groundwater Sampling

Seven monitoring wells were sampled, including MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D. Groundwater samples were collected using low-flow methodology in accordance with Section III.C. of the Procedure Addressing Groundwater Quality Monitoring and response When a Groundwater Standard is reached or Exceeded at Municipal Solid Waste Landfills (the Procedure, VT DEC, 1999). Groundwater was sampled with dedicated 3/8-inch outer diameter HDPE tubing and bladder pumps. Depth to water was measured with a water level meter, and physical and chemical field parameters (pH, specific conductance, temperature, dissolved oxygen [DO], and oxidation reduction potential [ORP]) were measured using a calibrated multi-parameter water quality meter equipped with a flow-through cell system. Turbidity was measured using a standalone turbidity meter. The monitoring wells were purged until the following parameters had stabilized:

- pH \pm 0.1 unit
- Specific Conductance \pm 3%
- ORP \pm 10 mV
- DO \pm 10%, or 3 consecutive readings below 0.5 mg/L
- Temperature \pm 3%
- Turbidity \pm 10%, or 3 consecutive readings below 5.0 nephelometric turbidity units (NTU)

Following stabilization, the groundwater samples were collected into pre-preserved laboratory-supplied bottle ware, placed in an ice-filled cooler and transported under chain of custody protocols to Eurofins.

Groundwater samples were analyzed for the parameters listed in Section III.D(2) of the Procedure including chemical oxygen demand (COD) by EPA method 410.4, VOCs by EPA method 8260, sodium and chloride by EPA method 6010/6020 and Standard Methods 4500-CL-B, respectively, and total metals including arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc by EPA method 6010/6020 and 7470 (for mercury). Additionally, the monitoring wells were analyzed for PFAS by method 537.1 modified with isotope dilution and including a 24-compound list.

2.3. POET System Operations and Maintenance

Due to a breakthrough of methylene chloride in the effluent location of 152 Forest Edge Road, the GAC vessels were replaced on July 7, 2023. A sample from the effluent was then collected on July 13, 2023.

2.4. Water Supply Well and POET Sampling

Drinking water supply samples were collected from 182 Forest Edge Road, 206 Forest Edge Road, 413 North Road, 455 North Road, 490 North Road, 714 Beecher Hill Road, and 794 Beecher Hill Road. Samples were collected from before treatment if present (for example softener system), or from the tap or outdoor spigot if treatment was not present. Drinking water supplies were initially sampled in March and April of 2023, with a confirmation event on June 14, 2023. It should be noted that 455 North Road is a shallow overburden well used as a non-potable source for a construction company.

The water supplies at 152 Forest Edge Road, 56 Forest Edge Road, 685 Beecher Hill Road, and 907 Beecher Hill Road are treated with point-of-entry treatment systems (POET) installed by Culligan Water Technologies (Culligan) of Colchester, Vermont. Three water samples were collected per POET: a sample pre-treatment (influent), a sample post-treatment (effluent), and a sample from between the carbon filters (midpoint).

Drinking water samples were collected in appropriate containers, placed in an ice-filled cooler, and transported under chain of custody procedures to Eurofins Environment Testing America. Drinking water samples were analyzed for VOCs by EPA method 524.2 and PFAS by EPA method 537.1.

2.5. Surface Water Monitoring

Surface water parameters were measured at two locations within Beecher Brook, including SW-1 (upstream) and SW-2 (downstream). Surface water was measured for physical and chemical field parameters including pH, specific conductance, temperature, DO, ORP, and turbidity.

2.6. Investigation Derived Waste

Investigation derived wastes (IDW) generated during the post-closure monitoring include purge water, tubing, decontamination fluids, and personal protective equipment such as gloves. Solid IDW was disposed of as municipal waste. All purge water generated during the post-closure monitoring was discharged to the ground surface adjacent to the monitoring well. Approval to discharge purge water to the ground surface was received in an email from VT DEC on October 6, 2022.

3. Results

Analytical results are summarized in the following tables located in Appendix C. Laboratory analytical reports are provided as Appendix D.

- Table C-1: January 2023 Drinking Water PFAS Analytical Results
- Table C-2: March 2023 Drinking Water PFAS Analytical Results
- Table C-3: March 2023 Drinking Water VOC Analytical Results
- Table C-4: April 2023 Drinking Water PFAS Analytical Results
- Table C-5: April 2023 Drinking Water VOC Analytical Results
- Table C-6: May 2023 Drinking Water PFAS Analytical Results
- Table C-7: May 2023 Drinking Water VOC Analytical Results
- Table C-8: May 2023 Groundwater PFAS Analytical Results
- Table C-9: May 2023 Groundwater Metals Analytical Results
- Table C-10: May 2023 Groundwater VOC Analytical Results
- Table C-11: May 2023 Groundwater Wet Chemistry Analytical Results
- Table C-12: June 2023 Drinking Water PFAS Analytical Results
- Table C-13: June 2023 Drinking Water VOC Analytical Results
- Table C-14: July 2023 Drinking Water VOC Analytical Results
- Table C-15 through Table C-23: Time Series Analytical Results

3.1. Relevant Regulatory Criteria

Stone compared analytical results to the following relevant regulatory criteria:

- Groundwater: Vermont Groundwater Enforcement Standards (VGES), July 2019.
- Drinking Water: Vermont Department of Health Drinking Water Health Advisory (VTDOH DWHA), May 2019.
- Vermont Department of Environmental Conservation Environmental Protection Rules Chapter 21, Water Supply Rule March 17, 2020

3.2. Potentiometric Surface

Elevation of potentiometric surface in overburden monitoring wells relative to mean sea level, ranged between 565.30 (MW-3S) to 640.21 (MW-1R) as measured on May 30 and 31, 2023. The direction of overburden groundwater flow is inferred to be generally to the southeast at an approximate 7.0% hydraulic gradient.

Elevation of potentiometric surface in bedrock monitoring wells relative to mean sea level ranged from 544.03 (MW-3D) to 561.57 (MW-2D) as measured on May 30 and 31, 2023. Direction of bedrock groundwater flow is generally to the southeast at an approximate 2.5% hydraulic gradient. The bedrock aquifer may be influenced by fractures oriented in a different direction than to the southeast, as well as use of nearby water supply wells. Table 1, below, represents the calculated groundwater elevations. The groundwater potentiometric surfaces in the overburden aquifer and the bedrock aquifer are shown in Figures 4 and 5, respectively.

Table 1: Groundwater Elevations, Spring 2023

Location ID	Date of Measurement	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Water Table Elevation (feet)
MW-1R	May 30, 2023	676.51	36.30	640.21
MW-2S	May 30, 2023	658.79	44.65	614.14
MW-2D	May 30, 2023	656.02	94.45	561.57
MW-3S	May 30, 2023	598.25	32.95	565.30
MW-3D	May 30, 2023	596.17	52.14	544.03
MW-4S	May 31, 2023	624.35	36.94	587.41
MW-4D	May 31, 2023	623.17	68.16	555.01

3.3. Groundwater Quality Results

3.3.1. Physiochemical Parameters

The physiochemical properties measured at the end of low flow purging on May 30 and 31, 2023 are presented in Table 2, below:

Table 2: Physical and Chemical Parameters, Spring 2023

Location	Temperature (°C)	pH (s.u.)	DO (mg/L)	ORP (mV)	Conductivity (µS)	Turbidity (NTU)
MW-1R	11.6	8.70	6.29	-13	121	42.3
MW-2S	11.6	6.71	0.23	-69	954	7.9
MW-2D	14.5	7.19	7.16	30	780	25.0
MW-3S	11.3	7.29	0.59	76	1130	5.3
MW-3D	12.7	7.39	1.34	-41	1752	18.7
MW-4S	12.1	7.39	0.10	-62	1383	8.3
MW-4D	13.7	8.35	13.37	26	518	1010

Notes: °C – Degrees Centigrade; µS/cm – micro Siemens per centimeter; s.u. – standard units; mg/L – milligrams per liter; mV – millivolts; NTU – Nephelometric turbidity units.

Measured ORP values varied between 76 mV in MW-3S to -69 mV in MW-2S. DO values ranged from 13.37 mg/L in MW-4D to 0.10 mg/L in MW-4S.

3.3.2. Per- and Polyfluoroalkyl Substances

PFHpA, PFHxS, and PFOA were detected in groundwater above their respective VGES in monitoring wells MW-3D and MW-3S, and PFOA was detected above the VGES in monitoring well MW-4S. PFOA was detected in MW-2D and MW-2S below VGES. PFOS was detected in MW-3D and MW-3S below VGES. Total regulated PFAS (the sum of PFHpA, PFHxS, perfluorononanoic acid [PFNA], perfluorooctanesulfonic acid [PFOS] and PFOA) were detected above the VGES in monitoring wells MW-3S, MW-3D, and MW-4S. PFAS exceedances are summarized in Table 3, below. Regulated PFAS detections were below the VGES in MW-1R, MW-2S, MW-2D and MW-4D.

Table 3: Regulated PFAS Exceedances in Groundwater, Spring 2023

Location	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
MW-1R	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
MW-2S	1.88 U	1.88 U	1.88 U	1.88 U	11.4	11.4
MW-2D	2.02 U	2.02 U	2.02 U	2.02 U	5.12	5.12
MW-3S	25.0	12.3	1.81 U	3.1	59.1	99.5
MW-3D	45.7	27.2	1.8 U	7.13	135	214
MW-4S	11.3	4.87	1.77 U	1.77 U	44.4	60.6
MW-4D	1.86 U	1.86 U	1.86 U	1.86 U	1.86 U	1.86 U
VGES (ng/L)	20	20	20	20	20	20

Notes: VGES – Vermont Groundwater Enforcement Standards; All results reported in nanograms per liter (ng/L); U – Analyte not detected, laboratory reporting limit provided; Bold- indicates the parameter was detected at or above the laboratory reporting limit; shaded cells indicate exceedance of the VGES, Total regulated PFAS - the sum of PFHpA, PFHxS, PFNA, PFOS and PFOA

3.3.3. Volatile Organic Compounds

No VOCs were detected above VGES concentrations in any of the groundwater samples collected during the spring 2023 sampling event. Benzene was detected below the VGES in MW-2S, MW-3D, and MW-4S. Chlorobenzene was detected below the VGES in MW-3S and MW-4S. Tetrahydrofuran, ethyl ether, and 1,4-dichlorobenzene were detected below VGES, or no standard exists.

No VOCs were detected above laboratory reporting limits for MW-1R or MW-4D.

3.3.4. Total Metals

Arsenic was detected above VGES in MW-3D (14.8 µg/L), MW-4S (386 µg/L), MW-2D (18.5 µg/L), and MW-2S (113 µg/L). The VGES for arsenic is 10 µg/L. Lead was detected above VGES of 15 µg/L in MW-4D at a concentration of 54.5 µg/L. Manganese was detected in all groundwater samples and was above VGES in all wells except MW-2D and MW-1R. The VGES for manganese is 300 µg/L, and concentrations in samples above VGES ranged from 325 µg/L (MW-4S) to 2,950 µg/L (MW-3S). Several other metals were detected below the VGES (or no standard exists), including chromium, copper, iron, nickel, sodium, and zinc.

Table 4: Total Metals Exceedances in Groundwater, Spring 2023

Location	Arsenic	Lead	Manganese
MW-1R	8 U	15 U	125
MW-2S	113	7.5 U	1130
MW-2D	18.5	7.5 U	220
MW-3S	8 U	15 U	2950
MW-3D	14.8	15 U	2300

MW-4S	386	7.5 U	220
MW-4D	5.75	54.5	542
VGES (µg/L)	10	15	300

Notes: VGES – Vermont Groundwater Enforcement Standards; all results reported in micrograms per liter (µg/L); U – Analyte not detected, laboratory reporting limit provided; Bold- indicates the parameter was detected at or above the laboratory reporting limit; shaded cells indicate exceedance of the VGES.

3.3.5. Chloride

Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<7,500 micrograms per liter [µg/L]; MW-1R, MW-4D, MW-2S, MW-2D) to 39,500 µg/L (MW-3D). There is currently no VGES for chloride.

3.3.6. Chemical Oxygen Demand

COD in groundwater samples was detected only in MW-4D at a concentration of 183 mg/L. There is currently no VGES for COD.

3.4. Water Supply Well Results

3.4.1. Per- and Polyfluoroalkyl Substances

In the January 2023 POET supply sampling event, the sum of the five regulated PFAS compounds exceeded the 20 ng/L (ppt) DWHA/VGES in the influent sample from 56 Forest Edge Road at a concentration of 21.7 ng/L. There were no exceedances during the March 2023 drinking water event. For the April 2023 drinking water event, there were detections of PFOS in the 455 North Road sample at a concentration of 3.21 ng/L, below DWHA/VGES. In May, the sample collected from the influent of the Hinesburg Highway Garage (907 Beecher Hill Road) exceeded DWHA/VGES at a concentration of 49.2 ng/L, and total regulated PFAS concentrations were below the DWHA/VGES at locations 152 Forest Edge Road, 685 Beecher Hill Road/56 Forest Edge Road, and 455 North Road. There were no PFAS detections in any drinking water samples collected in June 2023 (Appendix C).

PFAS concentrations in drinking water samples are summarized in Table 5, below and are shown on Figure 6 for the May 2023 event.

Table 5: Regulated PFAS Exceedances in Drinking Water, Spring 2023

Sample ID	Sample Date	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
56 Forest Edge Road-INF	1/27/23	3.15	1.81	1.9 U	3.94	12.8	21.7
	5/31/23	1.72 U	1.72 U	1.72 U	3.95	5.88	9.83
907 Beecher Hill Road-INF	6/1/23	10.7	5.88	1.59 U	1.59 U	32.6	49.2
152 Forest Edge Rd-INF	5/31/23	2.24	1.76 U	1.76 U	1.76 U	2.95	5.19
685 Beecher Hill Road - INF	5/31/23	1.62 U	1.62 U	1.62 U	3.66	5.49	9.15

Sample ID	Sample Date	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
455 North Road	4/5/23	1.69 U	1.69 U	1.69 U	3.21	1.69 U	3.21
		1.60 U	1.60 U	1.60 U	2.70	1.60 U	2.70
DWHA/VGES (ng/L)		20	20	20	20	20	20

Notes: VGES – Vermont Groundwater Enforcement Standards; all results reported in micrograms per liter ($\mu\text{g/L}$); U – Analyte not detected, laboratory reporting limit provided; Bold- indicates the parameter was detected at or above the laboratory reporting limit; shaded cells indicate exceedance of the VGES

3.4.2. Volatile Organic Compounds

No VOCs were detected in the March or April sampling events. Methylene chloride was detected above DWHA/VGES in the 152-Forest Edge Road POET at both the influent ($9.39 \mu\text{g/L}$) and effluent ($5.19 \mu\text{g/L}$) locations. Other VOCs were detected in low levels in other samples during the May sampling event; see Table 6 for a detection summary. No VOCs were detected in the June or July sampling events.

VOC detections in drinking water samples from the May 2023 sampling event are summarized in Table 6, below.

Table 6: Regulated VOC Detections in Drinking Water, Spring 2023

Sample ID	Dichlorodifluoro-methane	Ethyl Ether	MTBE	Methylene Chloride	Tetrahydro-furan	Toluene
907 Beecher-INF	2.83	6.81	0.81	0.5 U	22.5	0.5 U
152 Forest Edge Rd-INF	0.5 U	4.82	0.5 U	9.39	14.0	0.5 U
152 Forest Edge Rd-MID	0.5 U	0.5 U	0.5 U	4.08	0.5 U	0.5 U
152 Forest Edge Rd-EFF	0.5 U	0.5 U	0.5 U	5.19	0.5 U	0.5 U
56 Forest Edge Rd - INF	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.576
DWHA / VGES ($\mu\text{g/L}$)	NE	NE	11.0	5.0	NE	1000

Notes: DWHA – Drinking Water Health Advisory; VGES – Vermont Groundwater Enforcement Standard; All results reported in micrograms per liter; U – Analyte not detected, laboratory reporting limit provided; Bold- indicates the parameter was detected above the laboratory reporting limit; shaded cells indicate exceedance of the DWHA / VGES; NE – standard not established.

3.5. Surface Water Results

3.5.1. Physiochemical Parameters

The physiochemical properties measured for surface waters in Beecher Brook on May 30, 2023, are presented in Table 7, below.

Table 7: Physical and Chemical Parameters of Surface Waters, Spring 2023

Location	Temperature (°C)	pH (s.u.)	DO (mg/L)	ORP (mV)	Conductivity (µS)	Turbidity (NTU)
SW-1	16.6	8.05	8.26	32.8	228.3	0.0
SW-2	17.1	8.01	8.91	32.6	222.7	0.0

Notes: °C – Degrees Centigrade; µS/cm – micro Siemens per centimeter; s.u. – standard units; mg/L – milligrams per liter; mV – millivolts; NTU – Nephelometric turbidity units.

3.6. Trend Analysis

Locations with four or more data points were analyzed for trend using linear regression. Metal concentrations, specifically manganese and arsenic, have increased in MW-3D since the start of monitoring in June 2021, however it should be noted that dissolved metals were collected in June 2021 compared to total metals for the remaining events. Conversely, the concentration of VOC vinyl chloride has decreased from above the standard to undetectable levels in the same time span. Concentrations of arsenic and manganese have generally remained stable in MW-2S, and MW-4D. Arsenic has remained stable in MW-2D and MW-3S, but manganese has increased since the start of monitoring in June 2021. In MW-4S, arsenic has increased while manganese has decreased since the start of monitoring in December 2021.

For PFAS in groundwater, total regulated PFAS concentrations have increased in MW-3S, MW-3D and MW-4S. In drinking water, PFAS concentrations have remained stable above the VGES at the Hinesburg Garage, while they have increased at 685 Beecher Hill Road/56 Forest Edge Road. While total regulated PFAS at 685 Beecher Hill Road/56 Forest Edge Road were above VGES in October 2022 and January 2023, concentrations declined to below VGES in May 2023. The concentration of the VOC methylene chloride at 152 Forest Edge Road remained stable above the VGES.

3.7. Quality Assurance Summary

3.7.1. Field Duplicates

Field duplicate samples were collected for groundwater and drinking water samples during the semi-annual groundwater monitoring field work and drinking water monitoring events. Field duplicate sample results are summarized along with the analytical data in Appendix C.

To assess precision of the analytical results, relative percent difference (RPD) values were calculated for each primary-duplicate sample pair using the following formula:

$$RPD = \frac{|C_1 - C_2|}{\frac{C_1 + C_2}{2}} \times 100$$

Where: C1 = Concentration of a given target analyte in the Primary Sample, and

C2 = Concentration of a given target analyte in the Field Duplicate sample

Field duplicates in 2023 were collected from 56 Forest Edge-INF in January, from 490 North Road in March, from 455 North Road in April, from 56 Forest Edge Rd-INF and from MW-3D in May, and from 206 Forest Edge Rd in June.

In January 2023 at location 56-Forest Edge-INF, drinking water RPDs of PFAS ranged from 0% (PFOA) to 8% (PFHpA and PFHxA). RPDs could not be calculated for the March field duplicate as there were no detections of VOCs, and the field duplicate was not analyzed for PFAS. RPD for PFAS in April at location 455 North Road was 3% for PFOS, and there were no other detections of PFAS or VOCs in the field duplicate pair. RPDs in drinking water for May at location 56 Forest Edge Rd-INF ranged from 7% (PFOS) to 16% (PFHxA). RPDs of PFAS in groundwater in May at location MW-3D ranged from 0% (PFHxS) to 14% (6:2 Fluorotelomer sulfonic acid) and VOCs ranged from 3% (benzene) to 13% (tetrahydrofuran) and for metals ranged from 1% (manganese) to 12% (arsenic). RPDs could not be calculated for the June data, as there were no detections in PFAS or VOCs in the field duplicate pair.

All drinking water and groundwater RPDs are within the EPA acceptance criteria of 30% for the aqueous matrix.

3.7.2. Trip Blanks

Trip blanks were included during shipments from March, April, May, and June 2023. Trip blanks collected on March 21, April 5, May 30, and June 14, 2023 had no VOC detections.

TB-053123, collected on May 31, 2023 had a detection of methylene chloride at a concentration of 0.605 $\mu\text{g}/\text{L}$. The detection of methylene chloride in the trip blank is 5 times less than the detection of methylene chloride in sample location 152 Forest Edge Rd-Inf, 152 Forest Edge Rd-Mid, and 152 Forest Edge Rd-Eff, therefore the detection in the trip blank does not impact the usability of the data.

3.7.3. Field Reagent Blank

A field reagent blank for PFAS analysis from the January event had a detection PFOS of 2.27 ng/L. This sample was collected in the vicinity of the 56 Forest Edge Road POET system and was collected before sampling began. The field reagent blank, FRB-012723 was re-analyzed outside of holding time and PFOS was not detected. Since the sample was re-analyzed and no PFOS was detected above the laboratory reporting limit, the data is considered usable.

Field reagent blanks collected on March 21, April 5, May 30 and 31, and June 14, 2023, had no detections of PFAS.

3.7.4. Equipment Blank

An equipment blank in May was collected from the bladder pump following decontamination procedures for PFAS analysis. PFAS were not detected above the laboratory reporting limit.

Tetrahydrofuran was detected in EB-053023 at a concentration of 3.11 $\mu\text{g}/\text{L}$. Based on the detection of tetrahydrofuran, it was determined that the only sample location that also had tetrahydrofuran detected on May 30, 2023 was MW-4S. The data was not qualified because cross contamination did not occur since only one location had a detection of tetrahydrofuran.

4. Conceptual Site Model

The following Conceptual Site Model (CSM) provides a set of working hypotheses that describe key aspects of the landfill. The CSM includes a discussion of the physical, geologic, and hydraulic attributes of the landfill and surrounding area, how chemicals were released at the landfill, their transport pathways, fate mechanisms, and potential routes of exposure to ecological and human receptors. The CSM provides the context from which the site investigation and long-term environmental monitoring is developed and a framework to make sound Site management decisions.

4.1. Geology

According to the Bedrock Geologic Map of Vermont (Ratcliffe, et al., 2011), bedrock at the landfill is mapped as phyllite described as light-gray to light-green, quartz-sericite-chlorite. According to the Wehran Enviro Tech 1990 Landfill Assessment, the landfill is located near a fault line known as the Hinesburg Thrust Fault. The thrust fault consists of eastern foliated metamorphic schists and phyllites of the Green Mountains thrust to the west over the Champlain lowland and generally unfoliated dolomites and limestone.

During a geophysical investigation performed by Wehran Enviro Tech in 1990, the seismic refraction data shows approximate depths to bedrock increasing from the northwest to the southeast beneath the landfill, with the shallowest bedrock at approximately 18 feet below ground surface (bgs) in the northwest portion and the deepest bedrock at approximately 58 feet bgs in the southeast portion of the landfill. Additionally, significant changes in depth to bedrock was observed on a northern transect, trending west to east, suggesting a buried cliff or sharp drop off beneath the landfill. Lastly, there maybe two different bedrock types beneath the landfill or a fractured/weather rock unit on the western portion of the landfill.

During monitoring well installation performed by Wehran Enviro Tech in 1990, depth to bedrock was observed in MW-3D at 69 feet bgs, located southeast of the landfill. Bedrock was described as grayish very thinly foliated decomposed phyllite with some quartz rock fragments and weather dolostone. The Hinesburg Town Highway Garage water supply well installed in 2018 by Vermont Well & Pump is located north of the garage building and southeast of the landfill. Depth to bedrock was observed at 28 feet bgs and was described as gray limestone with intermitted soft seams of orange ochre (clay and sand) to 245 feet. During the SI, depth to bedrock was observed at 60 feet in MW-4D south of the landfill and described as foliated phyllite.

According to the Surficial Geologic Map of Vermont (Doll, Ed., 1970), soils at the Site are predominantly sand and gravel, with minor silt and cobble. The soil deposit is a kame terrace with predominantly well-draining permeable sands and gravels. During monitoring well installation performed by Wehran Enviro Tech in 1990, surficial soils were observed as gravel and sand fining downwards and becoming very dense with trace silt at 35 feet bgs. Silt was observed at 65 feet bgs above bedrock southeast of the landfill and west of the landfill. During this SI, soils were observed as fine to medium sand with stratified layering of angular, subrounded and rounded sands with some trace silt and gravel. During the re-installation of MW-1, soils were observed as fine sand with layers of coarser sand and gravel with denser sands encountered at 46 feet bgs.

4.2. Hydrogeology

The topography at the Site slopes to the southeast. Beecher Brook crosses the eastern and southeastern portion of the Site. The overburden groundwater flow direction is to the south-southeast towards the Beecher Brook. The bedrock groundwater flow direction was computed with three monitoring wells, where there may be a southwesterly component to groundwater flow direction in the bedrock aquifer not represented by the current monitoring well network.

There is likely a regional component of groundwater flow in bedrock that is recharged primarily from the Green Mountain highland areas east of the landfill. A portion of recharge to the bedrock aquifer will be local and occur when precipitation infiltrates into the landfilled materials, producing landfill leachate, and then recharges the overburden groundwater and with a downward flow component, as observed between overburden and bedrock groundwater elevations, percolate into open fractures, bedding planes, or other features in the bedrock surface. Weathered bedrock consisting of a clay like material with ochre color was observed in the Hinesburg Highway Garage water supply well and may act as a preferential pathway for landfill leachate to migrate.

4.3. Contaminant Sources, Distribution, Fate, and Transport

4.3.1. Leachate Indicator Parameters

Leachate indicator parameters including chloride and sodium were detected at high concentrations in the overburden and bedrock aquifer south and southeast of the landfill. Chloride and sodium were at lower concentrations in the upgradient well MW-1R and west of the landfill. It appears that leachate is migrating from the landfill in both a southern and southeastern direction, and the bedrock aquifer southeast of the landfill has the highest concentrations of leachate indicator parameters.

4.3.2. VOCs

VOCs have historically been detected in the bedrock groundwater southeast and southwest of the landfill including vinyl chloride and methylene chloride, respectively. During the May 2023 monitoring event, vinyl chloride was not detected in any monitoring well or water supply well. Methylene chloride was detected at one location, 152 Forest Edge Road. Ethyl ether was detected in both overburden and bedrock wells in MW-2D, MW-3D, and MW-4S, while tetrahydrofuran was detected in MW-3S, MW-3D, and MW-4S. Ethyl ether and tetrahydrofuran was also detected in drinking water supply wells including 152 Forest Edge Road and 907 Beecher Hill (Hinesburg Highway Garage).

Vinyl chloride is a chlorinated solvent and is produced by reductive dechlorination of tetrachloroethylene and trichloroethylene in anaerobic groundwater conditions. The sources of chlorinated solvents may be from automotive service garages using chlorinated solvents as degreasers or from dry cleaners using chlorinated solvents as a solvent to clean stains on clothing. It is unknown if the landfill accepted waste from either automotive service garages or dry cleaners. Once released to the environment, chlorinated solvents are typically sorbed to soil and organic matter, have moderate to low aqueous solubility, and generally biodegrade only under anaerobic conditions. Under aerobic conditions, degradation generally occurs very slowly. Following release, migration of liquids through the vadose zone will be dictated by even small variations in grain size, pore diameters, and saturation. When the water table is encountered, CVOCs are susceptible to further horizontal and vertical spreading. Vinyl chloride has not been detected in any of the water supply wells near the landfill and nor detected in the bedrock groundwater immediately adjacent to the landfill since 2021.

Methylene chloride is used in many different industries including paint stripping, pharmaceutical manufacturing, paint remover manufacturing, and metal cleaning and degreasing. Municipal solid waste accepted at the landfill may have included methylene chloride within small containers. Once released to the environment, methylene chloride will migrate to groundwater. Methylene chloride is not readily biodegradable but has been shown to biodegrade over a range of rates under aerobic and anaerobic conditions (EPA, 2017). Methylene chloride has been detected in one water supply well southwest of the landfill but has not been detected in the overburden or bedrock aquifer adjacent to the landfill. It appears there is a data gap in the monitoring well network adjacent to the landfill due to a lack of methylene chloride detection or methylene chloride is emanating from a different source not associated with the landfill.

Other compounds detected near the landfill are ethyl ether and tetrahydrofuran. Diethyl ether is used as an inhalation anesthetic, a refrigerant, in diesel fuels, in dry cleaning, as an extractant and tetrahydrofuran is used as a solvent.

4.3.3. PFAS

PFAS have been produced on a commercial scale since the 1950s. Landfills are sources of PFAS because they accept consumer products treated with hydrophobic, stain resistant coatings that contain PFAS. Given the production timeline of PFAS, consumer products landfilled since the 1950s are potential sources to the environment (ITRC, 2020). Municipal solid waste accepted at the Hinesburg landfill between 1972 until 1988 may have potentially contained consumer goods contaminated with PFAS. In addition, the Hinesburg landfill may have accepted sewage sludge from Hinesburg's and Richmond's wastewater treatment plant that may have contained PFAS. It is unknown if the landfill accepted industrial waste.

PFAS are in the overburden and bedrock groundwater southeast, south, and southwest of the landfill. Once PFAS enters the subsurface environment, the longer chain compounds may preferentially sorb to organic carbon in the saturated zone and the shorter chain compounds dissolve in groundwater. It would be expected to see the shorter chain compounds at the leading edge of a dissolved phase plume, both horizontally and vertically. In addition, the terminal sulfonate compounds tend to adsorb more strongly than the terminal carboxylates compounds of equal chain length (ITRC, 2020).

PFAS detected in bedrock groundwater southeast of the landfill include PFBA, perfluoropentanoic acid (PFPeA), PFBS, PFHxA, PFHpA, PFHxS, and PFOA. Most of the PFAS detected southeast of the landfill are short chain terminal carboxylates. Only short chain terminal carboxylates were detected in bedrock groundwater southwest of the landfill including PFBA, PFHpA, PFOA, and PFPeA, indicating that the leading edge of the plume may be near the Turner Residence located at 152 Forest Edge Road. PFAS detected in 56 Forest Edge Road and 685 Beecher Hill Road share overburden well include PFBS, PFHxA, PFOS, and PFOA with a mix of both short chain terminal carboxylates and terminal sulfonate compounds.

Overburden and bedrock groundwater adjacent to the landfill and closer to the source area included the terminal sulfonate compounds, PFOS, and fluorotelomer PFAS including 6:2 fluorotelomer sulfonic acid (6:2 FTS, intermediate environmental transformation product).

4.3.4. Total Metals

The generally reducing groundwater environment observed surrounding the landfill in the overburden aquifer may be driving reductive dissolution of arsenic, manganese, and iron from landfill material or from native soils. The highest concentrations of arsenic were observed in the overburden groundwater south of the landfill, and the highest concentrations of manganese were observed in the overburden and bedrock groundwater southeast of the landfill. The highest iron concentrations were observed in the bedrock well south of the landfill, but generally varied around the landfill. It should be noted that concentrations of metals

upgradient of the landfill at MW-1R have decreased significantly, including arsenic and manganese. Manganese concentrations generally increase downgradient of the landfill.

4.4. Sensitive Receptors Evaluation

VOCs and PFAS contamination near the landfill have been evaluated for its potential to adversely affect sensitive receptors. Table 8 presents the potentially affected media, pathways, and receptors.

Table 8: Sensitive Receptors Evaluation

Potentially Affected Media	Potential Pathways	Sensitive Receptors/ Potential Risk
Surface Water	Overland flow of stormwater runoff and groundwater discharge	Beecher Brook / Low, aerobic conditions were detected in Beecher Brook
Surface Soil	Direct contact to contaminated materials	Site users / Low- the landfill cap prevents direct contact with surface soils
Sub Surface Soil	Leaching or mixing of contaminants	Groundwater / High
Groundwater	Advection of contaminated groundwater plume	Groundwater Users / High

4.4.1. Drinking Water Supplies

There are sixteen private drinking water supply wells mapped within 0.25 miles of the Site. Table 9 present the drinking water wells.

Table 9: Summary of Private Water Sources within 0.25 Miles of the Site

Well Report Number/ Tag	Owner Name	Address/ Location/ Adjoining	Well Depth (ft)	Overburden Thickness (ft)	Well Type	Bedrock Type	Sample Date
NA (shared well)	Kenneth Hurd & Anne Marie Cioffari	685 Beecher Hill Rd/ Southwest/ No	NA	NA	Overburden (shared with Dente)	NA	6/21/21
							7/20/21
	Kevin & Erin Dente	56 Forest's Edge Road/ Southwest/ No	NA	NA	Overburden (shared with Hurd & Cioffari)	NA	6/9/22
							10/20/22
NA	Jason & Ashley Turner	152 Forest's Edge Road/ Southwest/ Yes	NA	NA	Bedrock	NA	1/27/23
							5/31/23
							6/21/21
							7/20/21
							11/4/21
							5/17/22
10/20/22							
7/13/23							

Well Report Number/ Tag	Owner Name	Address/ Location/ Adjoining	Well Depth (ft)	Overburden Thickness (ft)	Well Type	Bedrock Type	Sample Date
51551	Town of Hinesburg	907 Beecher Hill Rd/ Southeast/ same parcel	245	28	Bedrock	Limestone, intermittent soft seams of clay and sand (weather bedrock)	6/21/21 7/20/21 12/16/21 6/7/22 10/20/22 6/1/23
29013	Judy Cardinal	107 Observatory Road/ Northeast/ Yes	595	15	Bedrock	Green Schist	10/14/21 (no VOC or PFAS detections)
58092	Ryan Mobbs	340 Observatory Road/ Northwest/ Yes	600	27	Bedrock	Limestone	Not sampled
NA	Laura and Samuel Wisniewski	714 Beecher Hill Rd/ Southwest/ No	NA	NA	NA	NA	9/23/21 4/5/23 6/14/23 (no VOCs or PFAS detections)
182	Terence & Janet Francis	206 Forest's Edge Road/ West/ No	398	80	Bedrock	Gray bedrock	9/7/21 4/5/23 6/14/23 (no VOCs or PFAS detections)
128	Tyler Eastman and Jessica Godfrey	794 Beecher Hill Rd/ South/ Yes	123	76	Bedrock	Brown and gray bedrock	7/20/21 3/21/23 6/14/23 (no VOCs or PFAS detections)
NA	Mead Family Trust (John and Sally Mead)	291 Forest's Edge Road/ West/ No	NA	NA	NA	NA	9/7/21 (no VOCs or PFAS detections)
NA	Robert Mello and Priscilla Reidinger	182 Forest's Edge Road/ West/ Yes	NA	NA	NA	NA	7/20/21 3/21/23 6/14/23 (no VOCs)

Well Report Number/ Tag	Owner Name	Address/ Location/ Adjoining	Well Depth (ft)	Overburden Thickness (ft)	Well Type	Bedrock Type	Sample Date
							or PFAS detections)
272/J-62	Timothy & Linda Parent (shared with Jeffrey Parent, Elizabeth Parent & Jeffrey Stein)	413 North Road/ South/ Yes	225	55	Bedrock	Decayed schist	9/28/21 3/21/23 6/14/23 (no VOCs or PFAS detections)
NA	Timothy & Linda Parent	455 North Road/ South/ Yes	NA	NA	Overburden	NA	4/5/2023 5/31/2023
254/F-16	James & Kathleen Rhode	259 Forest's Edge Road/ West/ No	325	74	Bedrock	Weathered limestone overlaid by blue limestone	Not sampled
NA	Gary and Mary Donaldson	688 Beecher Hill Rd/ Southwest/ No	NA	NA	NA	NA	Not sampled
NA	Krista Willet	490 North Road/ Southeast/ Yes	NA	NA	NA	NA	3/21/23 6/14/23 (no VOCs or PFAS detections)
120	Robert Brown	Unknown	230	115	Bedrock	Bedrock	Unknown

Source: Vermont Agency of Natural Resources Natural Resources Atlas, NA- not available

5. Conclusions and Recommendations

Based on the results of the Spring 2023 groundwater monitoring, Stone presents the following conclusions:

- PFOA was detected in groundwater above the VGES in monitoring wells MW-3D, MW-3S, and MW-4S. PFHpA was detected in groundwater above the VGES in monitoring well MW-3S and MW-3D, and PFHxS was detected above VGES in monitoring well MW-3D. Total regulated PFAS exceeded VGES in each of these wells.
 - The monitoring wells with PFAS exceedances are located hydraulically downgradient from the landfill.
 - The downward hydraulic flow component from the overburden to bedrock aquifer, the steep overburden hydraulic gradient, and the lack of a confining layer (overburden soils consisted of sand and gravel) is allowing the leachate contamination to migrate significantly from the landfill. The extent of migration has not been defined to the southeast.
- Arsenic was detected above VGES in groundwater collected from wells MW-2S, MW-2D, MW-4S, and MW-3D. Lead exceeded VGES in MW-4D. Manganese exceeded VGES in MW-2S, MW-3S, MW-3D, MW-4S, and MW-4D.
 - The generally reducing groundwater environment observed surrounding the landfill may be driving reductive dissolution of heavy metals from landfill material or from native soils. Reducing conditions were not observed in MW-2D or MW-4D, but both wells had metal concentrations exceeding VGES.
- Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<7,500 micrograms per liter [$\mu\text{g/L}$]; MW-1R, MW-4D, MW-2S, MW-2D) to 39,500 $\mu\text{g/L}$ (MW-3D). Sodium concentrations in groundwater ranged from 1,880 $\mu\text{g/L}$ (MW-1R) to 75,400 $\mu\text{g/L}$ (MW-3D).
 - Based on chloride and sodium concentrations, it appears that leachate is migrating from the landfill in both a southern and southeastern direction, where the bedrock aquifer southeast of the landfill has the highest concentrations of leachate indicator parameters.
- COD in groundwater was below laboratory reporting limits except for MW-4D (173 mg/L).
 - The relatively low COD concentrations are consistent with a mature closed landfill.
- Drinking water supply well, Hinesburg Highway Garage (907 Beecher Hill Road), has PFOA and total regulated PFAS concentrations above the DWHA/VGES. The PFAS contamination appears to be migrating through the bedrock aquifer in transmissive zones of weathered bedrock including soft seams of orange ochre (clay and sand). 56 Forest Edge Road and 685 Beecher Hill Road have detections of PFOA and PFOS below VGES/DWHA during the May 2023 event; however, previously had total regulated PFAS exceedances above DWHA/VGES. The PFAS contamination appears to be migrating through the overburden groundwater southwest of the landfill.
 - 152 Forest Edge Road has detections of PFOA and PFHpA below VGES/DWHA.
 - The POET systems installed at the Highway Garage, 152 Forest Edge Road, 56 Forest Edge Road, and 685 Beecher Hill Road are effective at removing PFAS to below laboratory reporting limits in both the mid and effluent locations.
- No VOCs were detected above VGES concentrations in any of the overburden groundwater.

- Methylene chloride was detected above the VGES in 152 Forest Edge Road drinking water supply. The source of methylene chloride has not been determined.
 - The POET system installed at 152 Forest Edge Road had a breakthrough of methylene chloride above the DWHA/VGES in the effluent during the May 2023 monitoring. The GAC vessels were replaced on July 7, 2023, and VOCs were not detected in the effluent location above laboratory reporting limits post GAC vessel replacement.
- Drinking water samples were collected from six drinking water supply wells in March/April 2023 and a confirmation event was performed in June 2023. VOCs and PFAS were not detected above laboratory reporting limits in any of the water supply wells during either event.
 - Five private water supplies (714 Beecher Hill Road, 206 Forest Edge Road, 794 Beecher Hill Road, 182 Forest Edge Road, and 413 North Road) have three rounds of data with all non-detect at the laboratory reporting limit for VOCs and PFAS, and one water supply well (490 North Road) has two rounds of data will all non-detect at the laboratory reporting limit for VOCs and PFAS.
- Surface water physiochemical parameters upstream and downstream of the landfill were similar, with aerobic conditions in surface water and low conductivity. Leachate does not appear to be migrating to surface water.

Based on these data, Stone makes the following recommendations:

1. Continued semi-annual monitoring of seven monitoring wells, MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D for PFAS, VOCs, total metals including arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc, chloride, sodium and COD.
2. Continued semi-annual monitoring of two surface water locations (upgradient and downgradient of the landfill) in Beecher Brook for physical and chemical field parameters including pH, specific conductance, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity.
3. Based on the location of 455 North Road as a compliance point downgradient and south of the landfill, and the detection of PFOS above the laboratory reporting limit, 455 North Road should be monitored on a semi-annual basis to establish PFAS trends.
4. Continued semi-annual monitoring of POET systems including 152 Forest Edge Road, 56 Forest Edge Road, 685 Beecher Hill Road, and Hinesburg Highway Garage for PFAS and VOCs.
5. Continued operations and maintenance of the POET systems.
6. Complete a confirmation drinking water assessment at nearby residential properties in the Fall of 2023. The drinking water samples shall be analyzed for PFAS and VOCs in October 2023. The locations are as follows:
 - i. 413 North Road
 - ii. 206 Forest Edge Road
 - iii. 714 Beecher Hill Road
 - iv. 182 Forest Edge Road
 - v. 490 North Road
 - vi. 794 Beecher Hill Road
7. If the preventive action level (PAL) as established by the Groundwater Protection Rule and Strategy (GWPRS) §12-602 is exceeded at any of the water supply wells, then additional drinking water locations will be evaluated to be monitored. If PFAS and VOCs are not detected above the PAL at the water supply wells during the October 2023 event, then monitoring shall cease.

6. References

- Donald L. Hamlin, Consulting Engineers, Inc., 1990. *Closure Plan for Hinesburg Landfill, Hinesburg*
- Environmental Protection Agency (EPA), 2017, *Scope of Risk Evaluation for Methylene Chloride*
- Frank R. O' Brien Consulting Engineers, Inc. 1985. *Sanitary Landfill Facility, Hinesburg, Vermont*
- Interstate Technology Regulatory Council (ITRC), 2020. *Environmental Fate and Transport for Per- and Polyfluoroalkyl Substances*
- Lincoln Applied Geology, Inc, 2021. *Hinesburg Landfill June 2021 Sampling*
- Ratcliffe, N.M., Stanley, R.S., Gale, M.H., Thompson, P.J., and Walsh, G.J., 2011, *Bedrock Geologic Map of Vermont*, U.S. Geological Survey Scientific Investigations Map 3184, 3 sheets, scale 1:100,000.
- Stone Environmental, Inc, 2021, *Post-Closure Plan, Town of Hinesburg, Closed Municipal Solid Waste Landfill, 907 Beecher Hill Road, Hinesburg, Vermont*, November 18.
- Surficial Geologic Map of Vermont, 1970, Stewart and MacClintock, Doll, ed. Digital Data (VT Open Geodata Portal).
- Vermont Agency of Natural Resources, 1987. *The Hinesburg Solid Waste Disposal Facility, Town of Hinesburg, Hinesburg, Vermont, Closure of an Existing Solid Waste Disposal Facility*
- Vermont Department of Environmental Conservation (VT DEC), 2016. *Hinesburg Closed Landfill and Adjacent Development*
- VT DEC, 1999. *Procedure for Addressing Groundwater Quality Monitoring and Responses when a Groundwater Standard is Reached or Exceeded at Municipal Solid Waste Landfills*
- VT DEC, 2020. *Solid Waste Management Rules*
- Wehran EnviroTech, 1990. *Hinesburg Landfill, Vermont Landfill Assessment Program*

Appendix A: Figures

Figure 1: Location Map

Figure 2: Vicinity Map

Figure 3: Site Map with Post-Closure Monitoring Locations

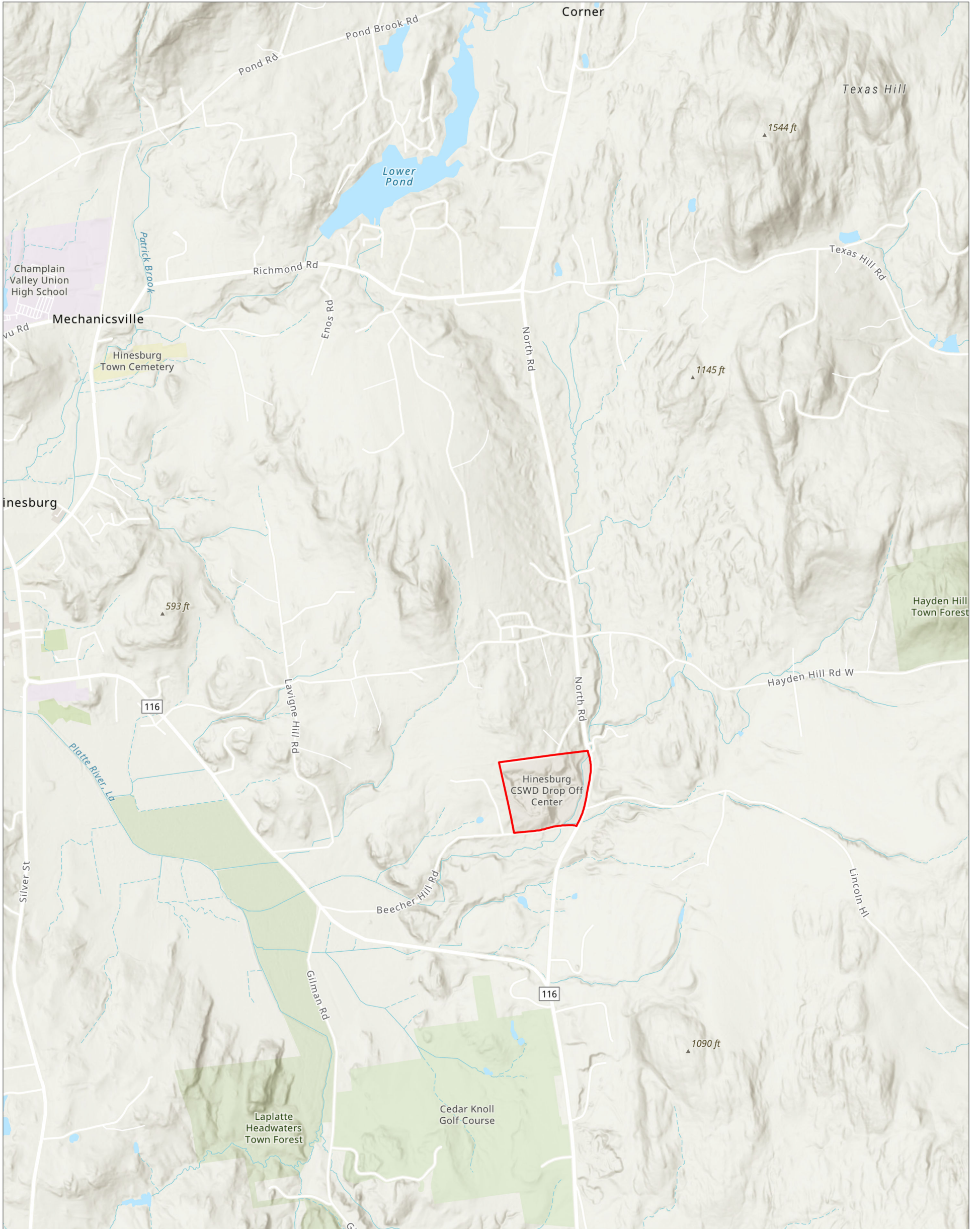
Figure 4: Potentiometric Surface in Overburden Aquifer

Figure 5: Potentiometric Surface in Bedrock Groundwater

Figure 6: PFAS Concentrations in Groundwater and Drinking Water

Figure 7: VOC Concentrations in Groundwater and Drinking Water

Figure 8: Total Metals Concentrations in Groundwater



LEGEND

Site Boundary

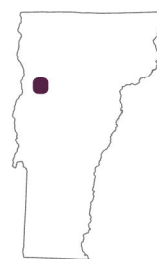
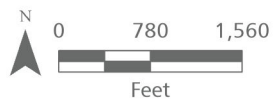


Figure 1: Location Map

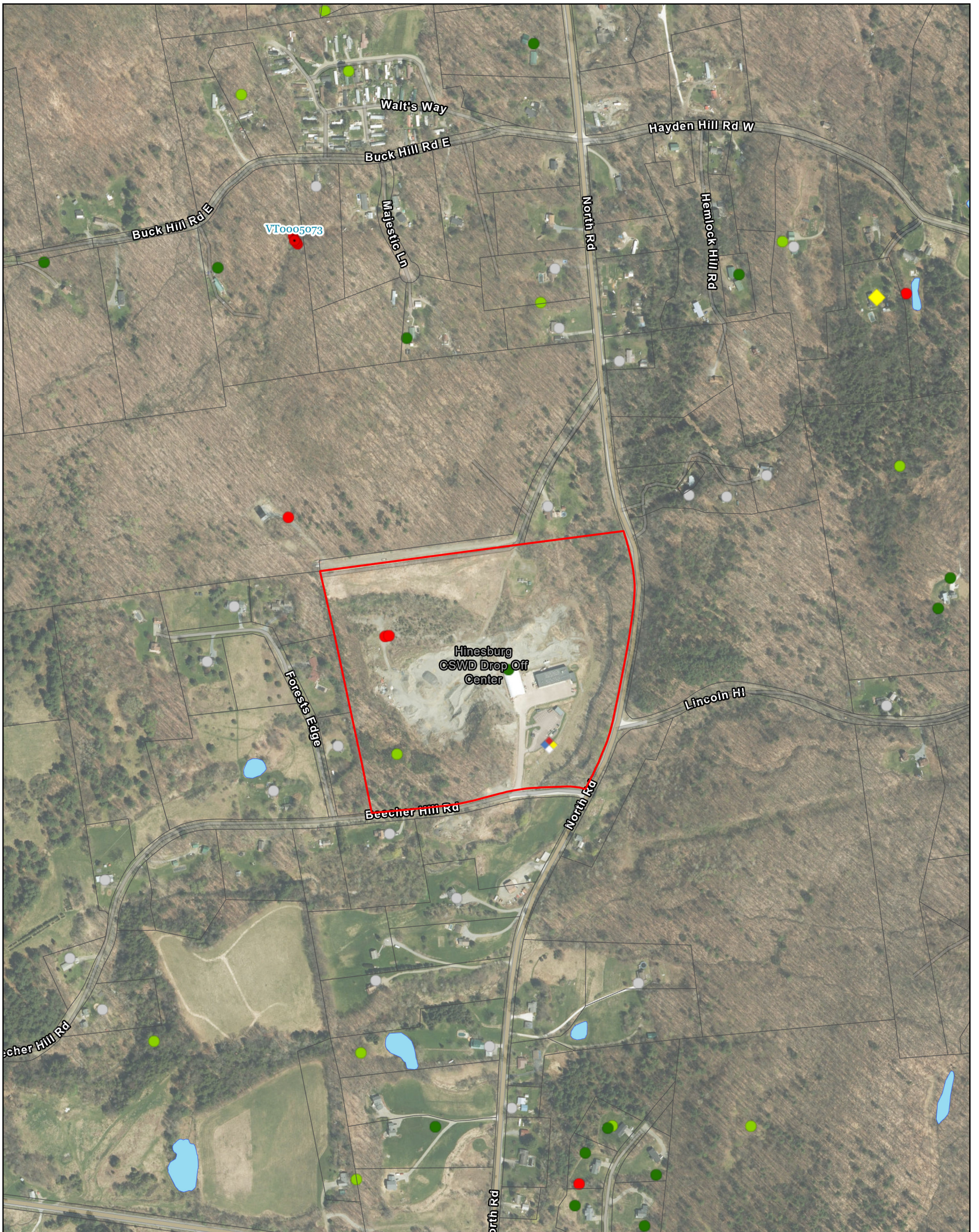
Hinesburg Landfill Post-Closure
Monitoring Plan

Prepared for Town of Hinesburg

Source: Esri World Imagery

Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx Site Location Map Exported: 7/24/2023 12:04 PM by jwright

Notes: Here is where to put map notes



LEGEND

- | | |
|-----------------------------|----------------------|
| Site Boundary | Private Wells |
| Parcel Boundary | GPS Location |
| Hazardous Waste Sites | screen digitized |
| Hazardous Waste Generators | E911 Address |
| Public Water Sources | Unknown |
| Inactive | Waterbody |

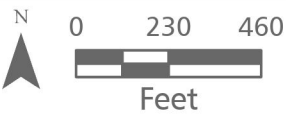


Figure 2: Vicinity Map

Hinesburg Landfill Post-Closure
Monitoring Plan

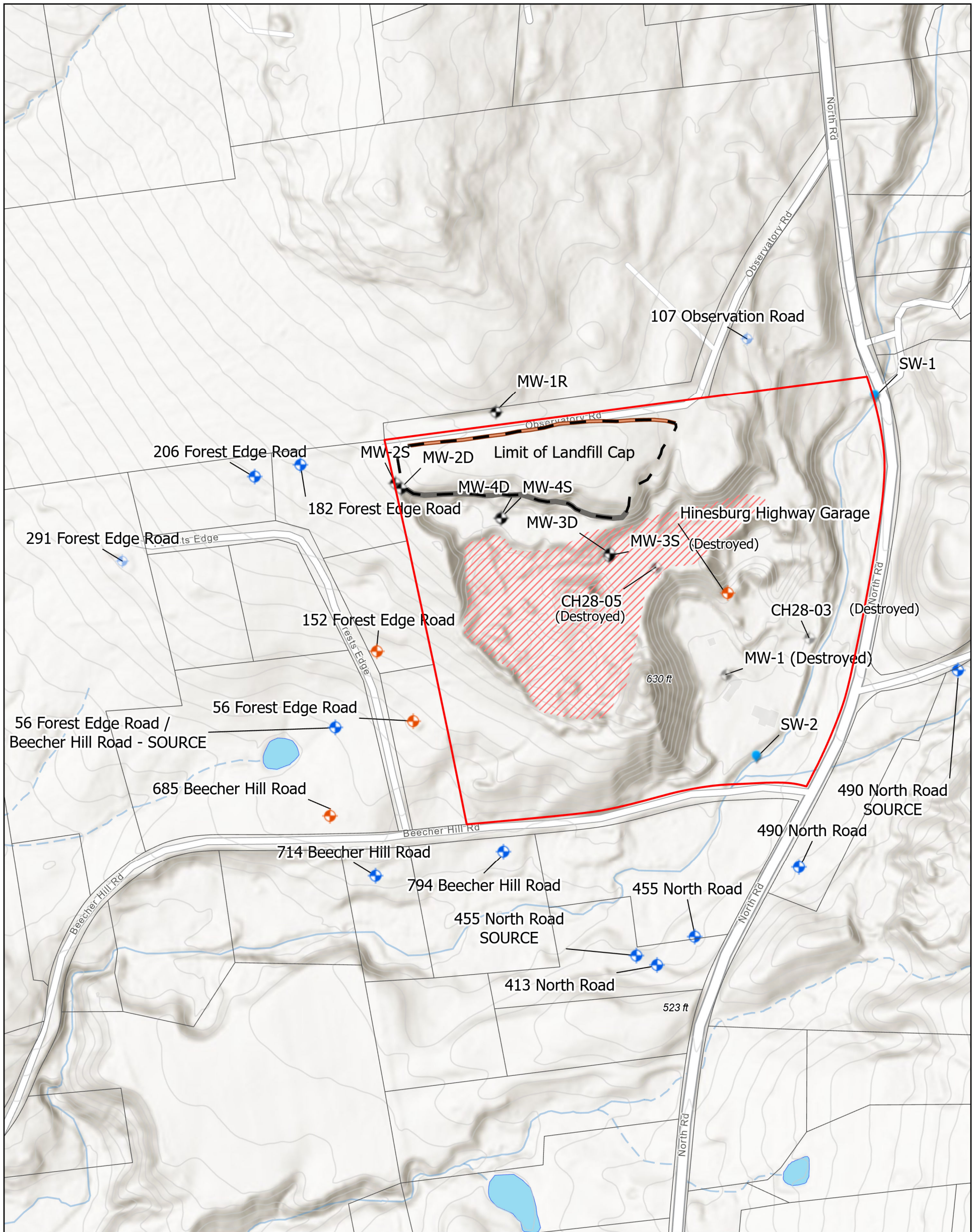
Prepared for Town of Hinesburg



Source: Esri World Imagery

Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx Vicinity Map Exported: 7/24/2023 12:02 PM by jwright

Notes: Here is where to put map notes



LEGEND

- | | |
|------------------------|-------------------------------------------------|
| Site Boundary | Post-Closure Monitoring Sample Locations |
| Parcel Boundary | Drinking Water |
| Sand and Gravel Pit | Monitoring Well |
| Limit of Landfill Cap | Surface Water |
| VT 10 ft Contour Lines | Drinking Water with POET System |
| Drainage Swale | POET System |
| Stone Apron | |

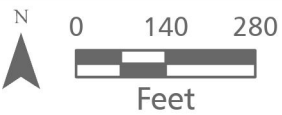


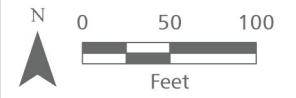
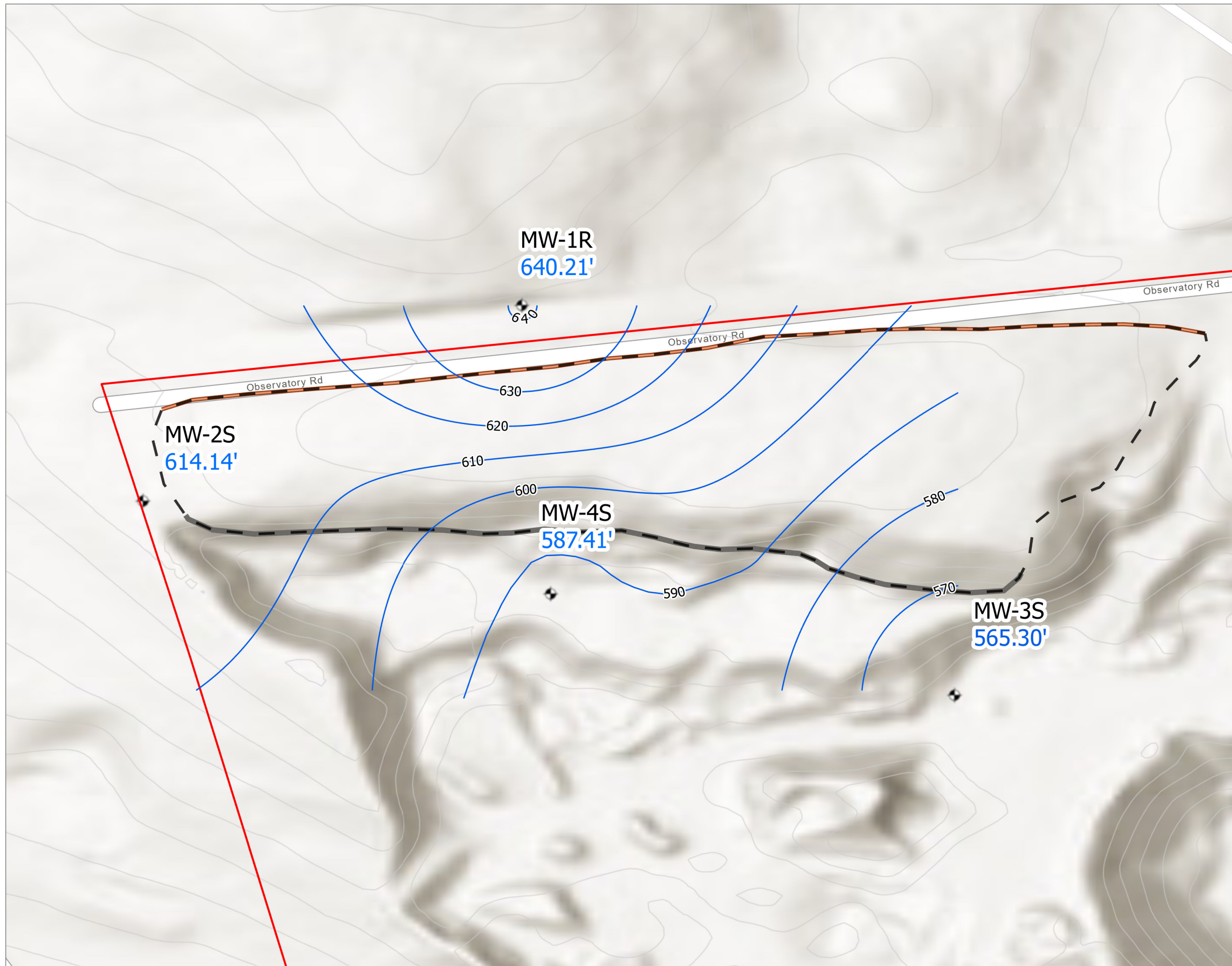
Figure 3: Site Map with Post-Closure Monitoring Locations

Hinesburg Landfill Post-Closure Monitoring Plan

Prepared for Town of Hinesburg

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021

Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx Site Map Exported: 7/24/2023 3:25 PM by jwright



LEGEND

- ▭ Site Boundary
- ◆ Monitoring Well
- Approximate Limits of Landfill Cap
- Stone Apron
- Drainage Swale
- VT 10 ft Contour Lines
- Waterbody
- Groundwater Contour

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021

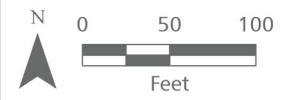
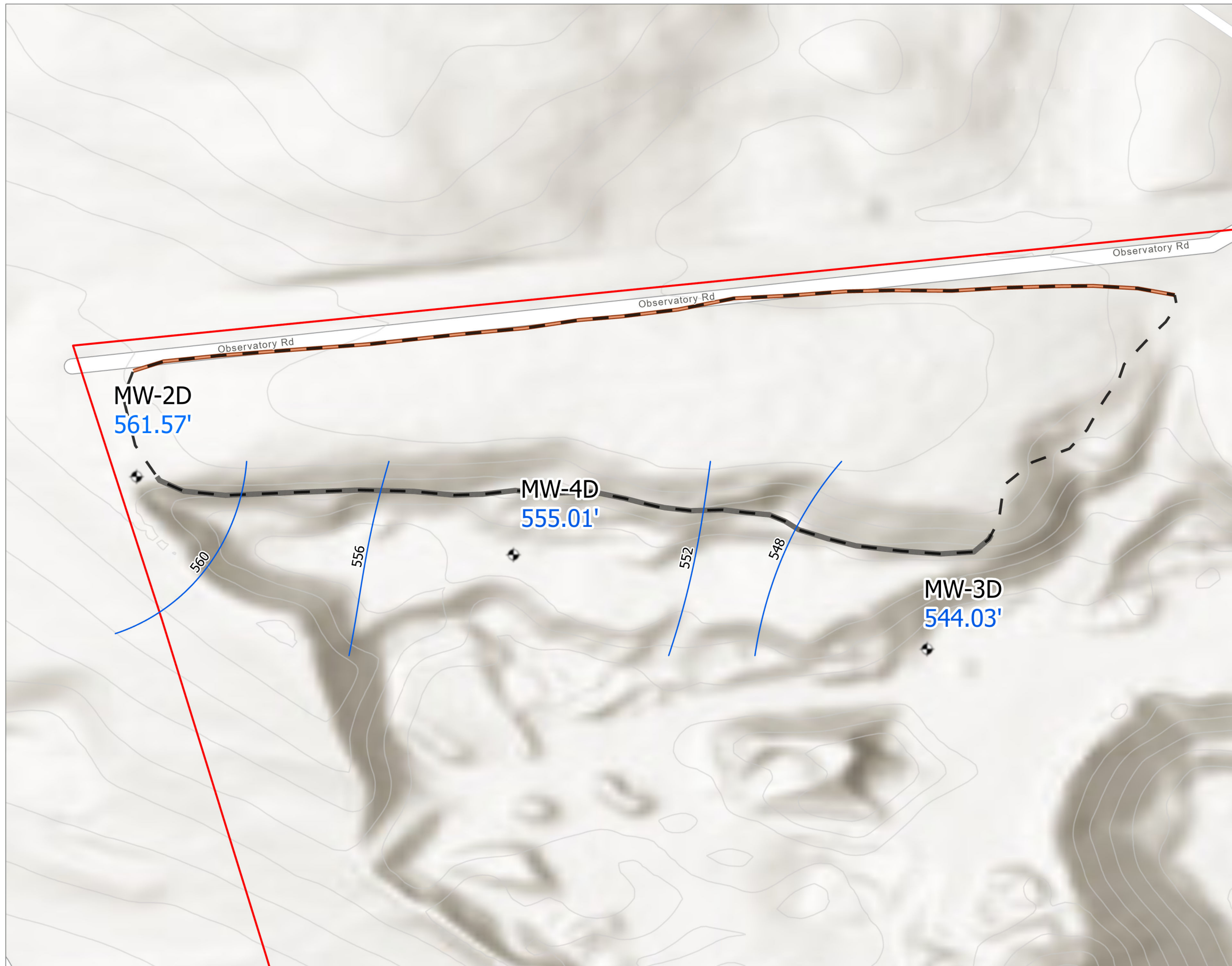
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 ShallowGW_Landscape_11x171 Exported: 9/15/2023 2:27 PM by jwright

Figure 4:
**Potentiometric Surface
 in Overburden Aquifer**

Hinesburg Landfill Spring 2023 Semi-
 Annual Monitoring Report

Prepared For Town of Hinesburg

STONE ENVIRONMENTAL



LEGEND

- ▭ Site Boundary
- ◆ Monitoring Well
- ┌┐ Approximate Limits of Landfill Cap
- Stone Apron
- Drainage Swale
- VT 10 ft Contour Lines
- Waterbody
- Groundwater Contour

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021

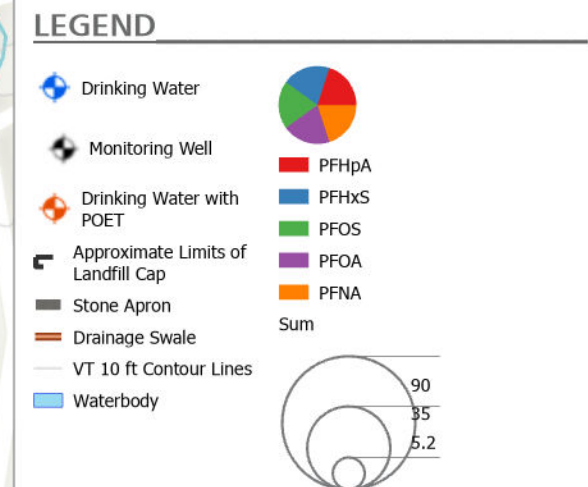
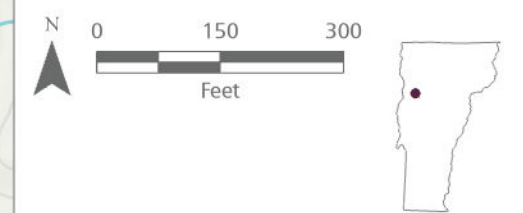
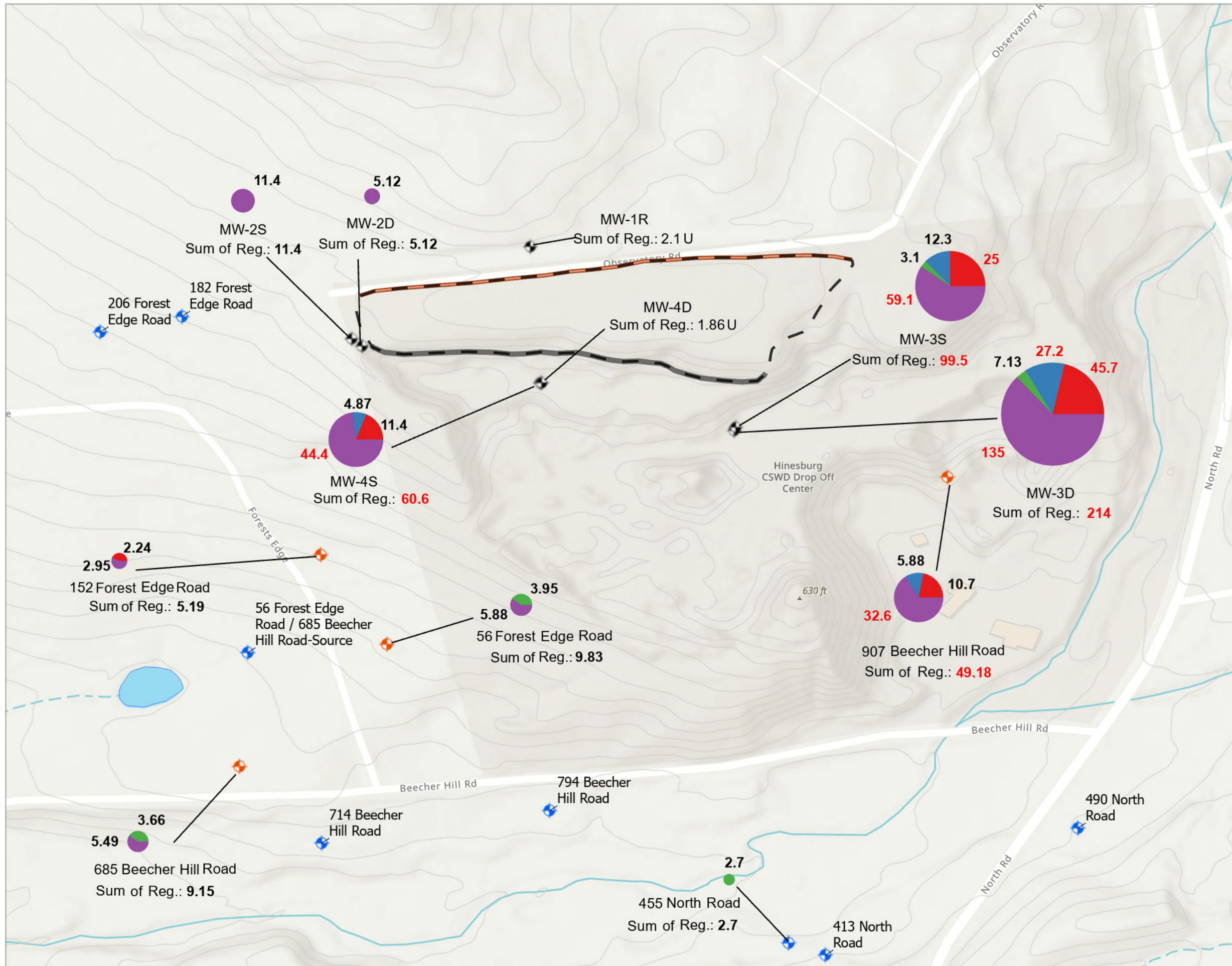
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 DeepGW_Landscape_11x171 1 Exported: 9/15/2023 2:25 PM by jwright

Figure 5: Potentiometric Surface in Bedrock Groundwater

Hinesburg Landfill Spring 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg

STONE ENVIRONMENTAL



Notes:
 U - Analyte not detected; limit of quantitation listed
Bold results indicate detections of the analyte
Red results indicate an exceedance of the DWHA/VGES enforcement standard of 20 ng/L

Only detections of the five regulated compounds are shown: PFHpA, PFHxS, PFNA, PFOS, PFOA

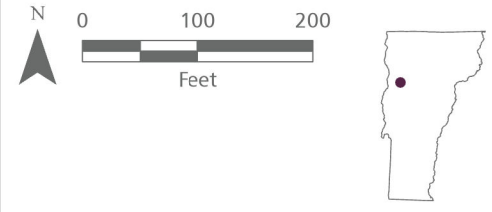
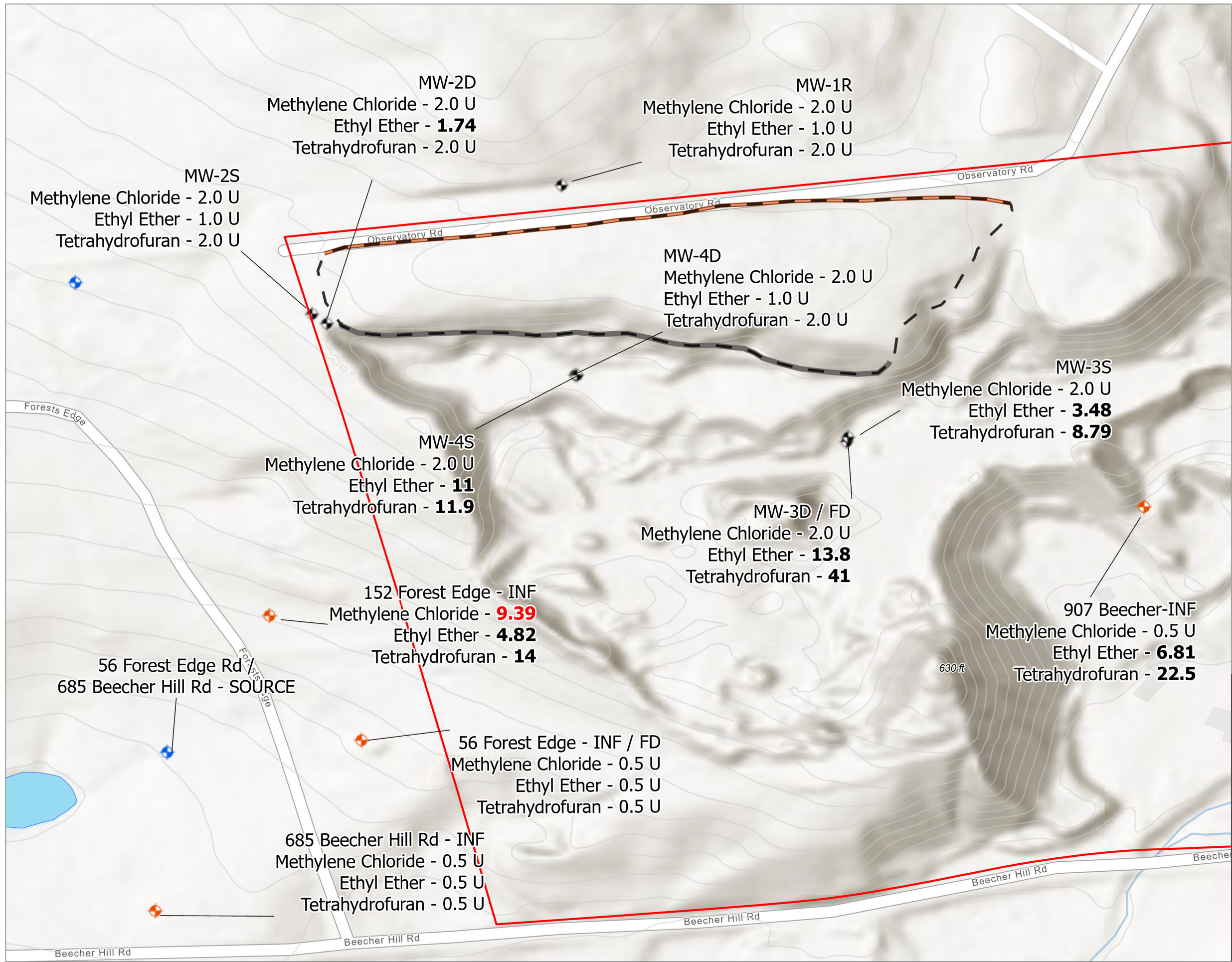
Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021

Path: O:\PROJ-21\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx
 PFAS_Landscape_11x17 Exported: 9/18/2023 12:21 PM by jmarcello

Figure 6: PFAS Concentrations in Groundwater and Drinking Water

Hinesburg Landfill Spring 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg



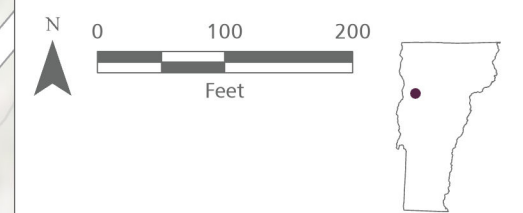
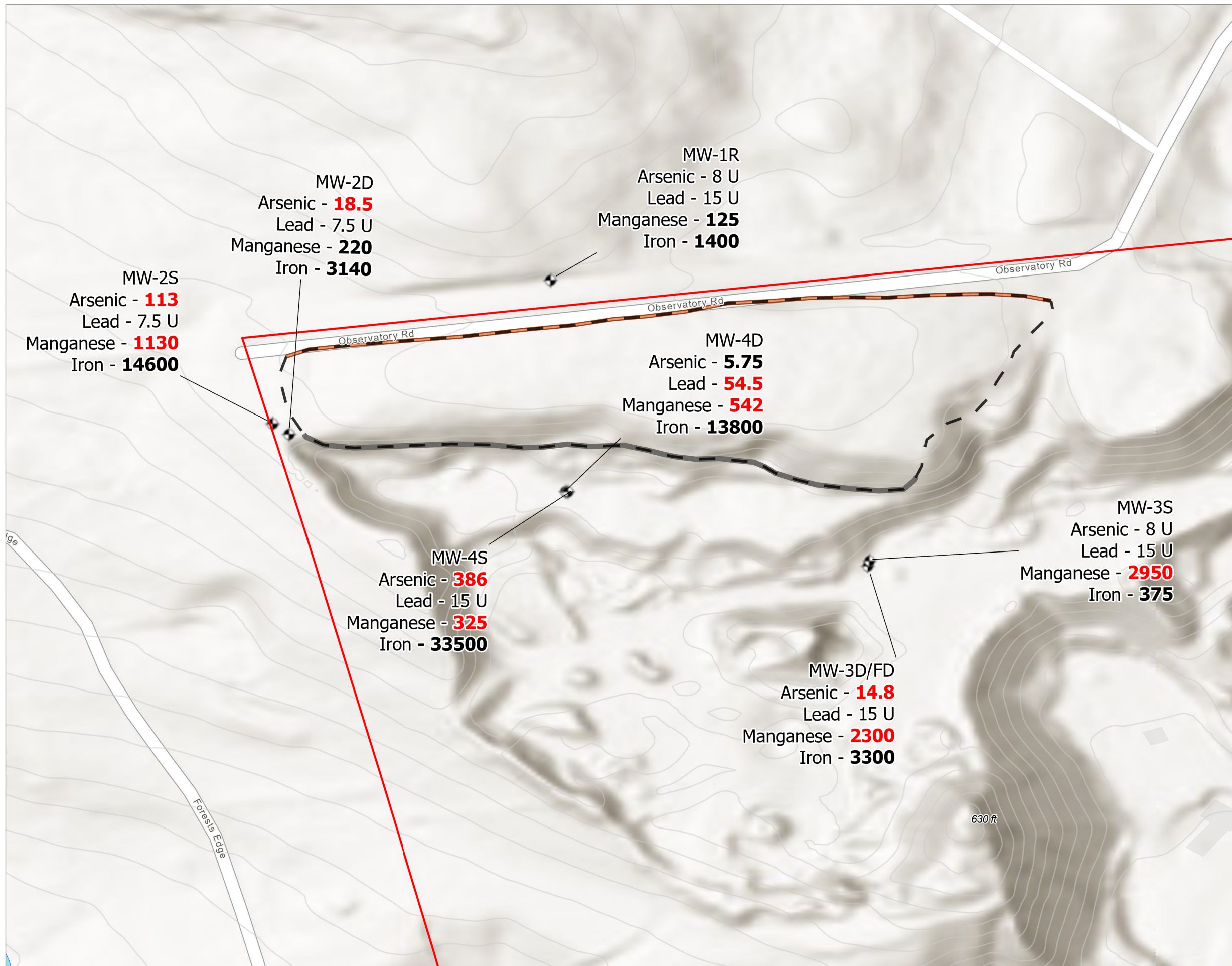
- LEGEND**
- Site Boundary
 - ◆ Drinking Water
 - ◆ Monitoring Well
 - ◆ POET System
 - Approximate Limits of Landfill Cap
 - Stone Apron
 - Drainage Swale
 - VT 10 ft Contour Lines
 - Waterbody
- Notes:**
 U - Analyte not detected; limit of quantitation listed
Bold results indicate detections of the analyte
Red results indicate an exceedance of the DWHA/VGES enforcement standard
- | | |
|-----------------------------------|----------------------------------|
| DWHA Standards: | VGES: |
| Methylene Chloride - 2.0 ug/L | Methylene Chloride: 5 ug/L |
| Ethyl Ether - Not Established | Ethyl Ether: Not Established |
| Tetrahydrofuran - Not Established | Tetrahydrofuran: Not Established |

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx
 VOCs_Landscape_11x17 Exported: 7/24/2023 3:26 PM by jwright

Figure 7: VOC Concentrations in Groundwater and Drinking Water

Hinesburg Landfill Spring 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg



LEGEND

- Site Boundary
- Monitoring Well
- Approximate Limits of Landfill Cap
- Stone Apron
- Drainage Swale
- VT 10 ft Contour Lines
- Waterbody

Notes:
 U - Analyte not detected; limit of quantitation listed
Bold results indicate detections of the analyte
Red results indicate an exceedance of the VGES enforcement standard

VGES Standards:
 Arsenic - 10 ug/L
 Lead - 15 ug/L
 Manganese - 300 ug/L
 Iron - Not established

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021

Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx
 Metals_Landscape_11x17 Exported: 7/24/2023 4:00 PM by jwright

Figure 8: Total Metal Concentrations in Groundwater

Hinesburg Landfill Spring 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg

Appendix B: Field Notes

Observation and Remarks

Site Information

Project Name	Hinesburg LF
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg VT
Date	01-27-2023

Personnel On Site

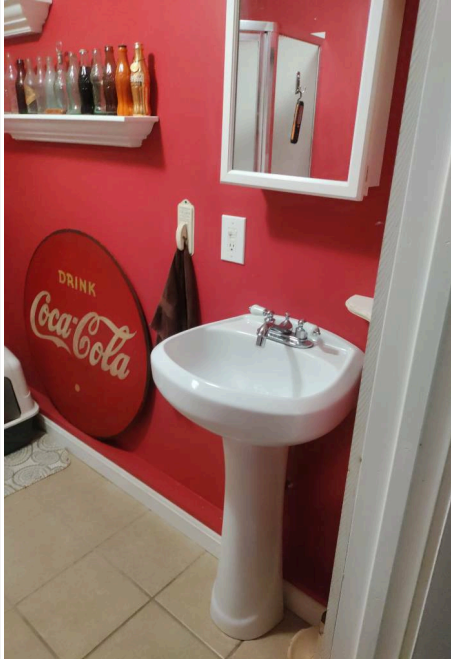
Stone Personnel On Site	Sandra Walser
Time On Site	09:54 (-5 GMT)
Time Off Site	11:40 (-5 GMT)

Observation Entry

Weather	clear 30
Objectives	POET water sampling

Add Notes / Photos - # 1

Observation

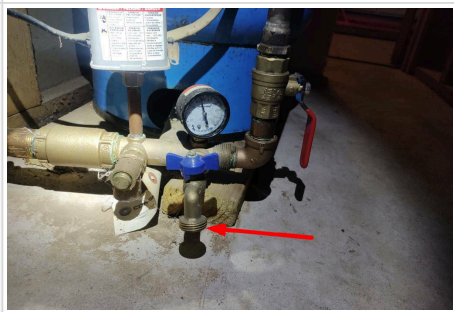
Time	09:55 (-5 GMT)
Notes	Stone at 56 Forest Edge Road. Running basement sink for 10 minutes.
Photo(s)	

Add Notes / Photos - # 2

Observation


Time	10:19 (-5 GMT)
------	----------------

Observation and Remarks

Notes	56 Forest Edge-INF collected. Sample port is very close to the floor, could not get a full sample bottle due to angle. Used an empty, unpreserved 250 ml bottle to finish filling preserved sample bottle.	
Photo(s)		

Add Notes / Photos - # 3

Observation

Time	10:15 (-5 GMT)	
Notes	56 Forest Edge-MID collected.	
Photo(s)		

Add Notes / Photos - # 4

Observation

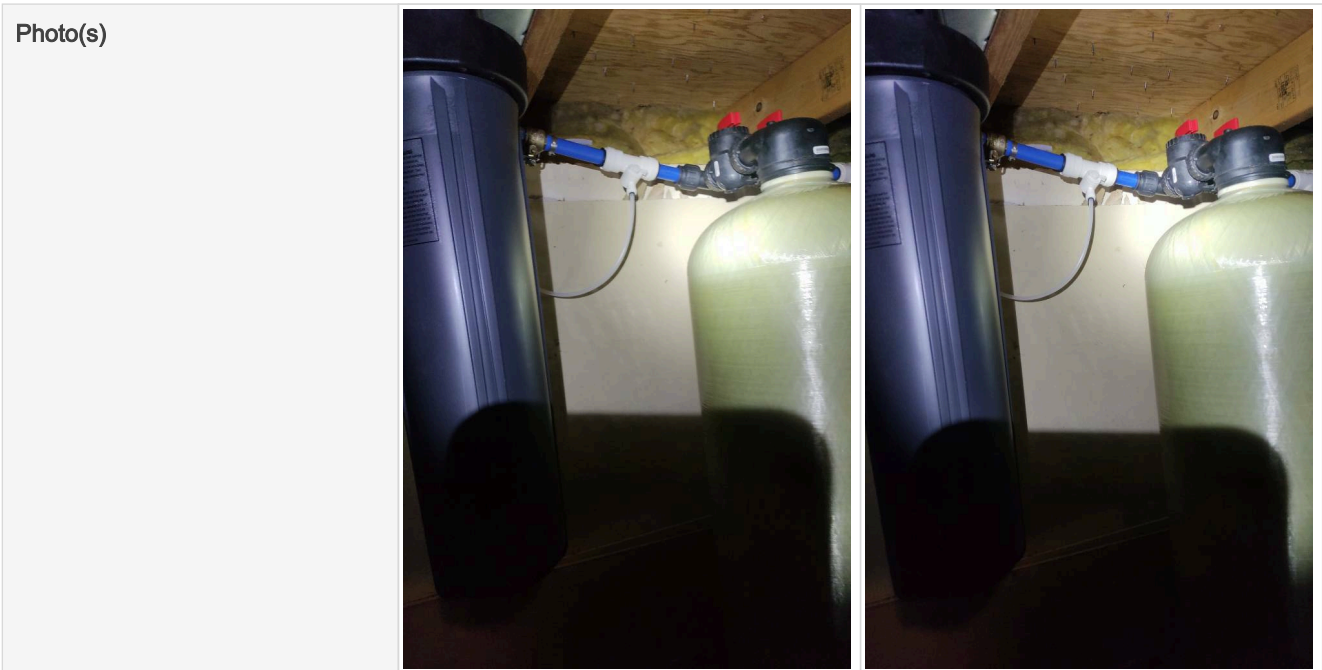
Time	10:10 (-5 GMT)	
Notes	FRB-012723 collected in crawl space.	

Add Notes / Photos - # 5

Observation


Time	10:12 (-5 GMT)	
Notes	56 Forest Edge-EFF collected.	

Observation and Remarks



Add Notes / Photos - # 6

Observation

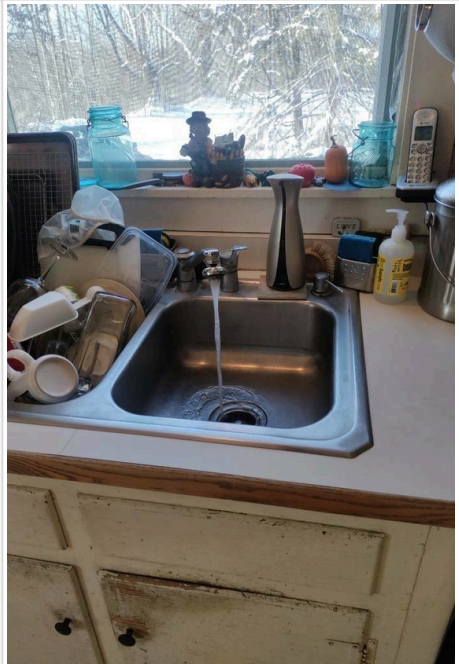
Time	10:28 (-5 GMT)	
Notes	Stone off site.	
Photo(s)		

Observation and Remarks



Add Notes / Photos - # 7

Observation

Time	10:51 (-5 GMT)
Notes	Stone at 685 Beecher Hill Rd. Running kitchen sink for 10 minutes
Photo(s)	

Add Notes / Photos - # 8

Observation


Time	11:14 (-5 GMT)
Notes	685 Beecher Hill-EFF sampled.

Observation and Remarks

Photo(s)		
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Add Notes / Photos - # 9

Observation

Time	11:15 (-5 GMT)	
Notes	Mid and influent sampling ports do not appear to have been installed. Attempted to sample from a spigot on influent but no flow occurred.	
Photo(s)		

Add Notes / Photos - # 10

Observation

Time	11:18 (-5 GMT)	
Notes	Stone off site.	

Observation and Remarks

Add Notes / Photos - # 11

Observation


Time	11:30 (-5 GMT)
Notes	Phone call with Katrina regarding inability to sample influent and mid system at 685 Beecher. Decision to return to 56 Forest Edge to collect a field duplicate since one was not able to be collected at 685 Beecher.

Add Notes / Photos - # 12

Observation

Time	11:41 (-5 GMT)
Notes	56 Forest Edge-INF-FD collected. Stone off site.

Signature

Signature	
-----------	-------------------------------------------------------------------------------------

Observation and Remarks

Site Information

Project Name	Hinesburg Landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg
Date	03-21-2023

Personnel On Site


Stone Personnel On Site	Jodie Wright, Julia Marcello
Time On Site	13:20 (-4 GMT)
Time Off Site	15:31 (-4 GMT)

Observation Entry

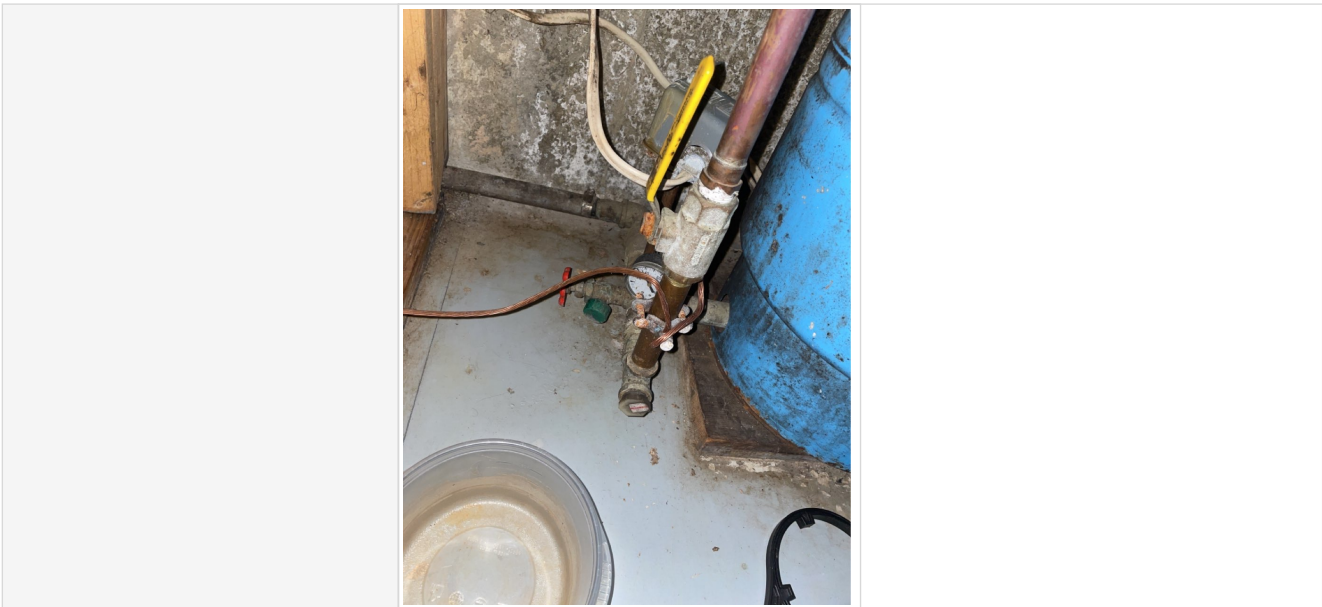
Weather	45, overcast
Objectives	Drinking water sampling

Add Notes / Photos - # 1

Observation

Time	13:28 (-4 GMT)
Notes	794 Beecher Hill Road. Meet Jessica on site. Found water system in basement. Valve is at the bottom in an awkward location but we will sample before the system. Water turned on in upstairs sink, and will let it run for 10 minutes before sampling. Jessica reports water system is not on currently as they are replacing it.
Photo(s)	

Observation and Remarks



Add Notes / Photos - # 2

Observation

Time	13:41 (-4 GMT)
Notes	Sampled from Kitchen sink at 794 Beecher Hill Road. Confirmed with LBR that we can sample from the sink if treatment system is not on.

Add Notes / Photos - # 3

Observation




Time	13:54 (-4 GMT)
Notes	Jessica reports septic is on southwest corner of house. Could not locate actual tank, but added point to Collector. Added water supply well to collector but Jessica did not have information on well depth or construction.



Observation and Remarks

Add Notes / Photos - # 4

Observation

Time	14:02 (-4 GMT)	
Notes	On site at 182 Forest Edge Rd. Met Bob on site. Showed field staff the treatment system in the basement. Staff will sample before the softener. Bob turns on kitchen sink, and we will let it run for 10 minutes before sampling. Arrow in photograph shows where sample was collected from.	
Photo(s)		
		

Add Notes / Photos - # 5

Observation

Time	14:20 (-4 GMT)	
Notes	Sampled before treatment in basement of 182 Forest Edge Rd.	

Observation and Remarks

Add Notes / Photos - # 6

Observation

Time	14:29 (-4 GMT)
Notes	Bob Mello showing field staff where septic and well are. Added points to collector.

Add Notes / Photos - # 7

Observation

Time	14:41 (-4 GMT)
Notes	On site at 413 North Road. Met Linda on site. Turn on kitchen sink, and will let run for 10 minutes before sampling. Linda points out where Septic and water supply wells are. Staff will add them to collector.

Add Notes / Photos - # 8

Observation

Time	14:58 (-4 GMT)
Notes	Arrive at 490 North Road. Met with Krista. Sampled FRB before turning sink on. JSM waiting at house, and Krista takes JGW to show the water spring. Spring is approximately 1/4-mile north of house, in the woods. Krista says spring is not on her land. Location added to collector.

Photo(s)	
----------	--------------------------------------------------------------------------------------

Add Notes / Photos - # 9

Observation

Time	15:25 (-4 GMT)
Notes	JGW added septic location to collector. JSM finished with sampling. Collected FEB and FD from 490 North road.

Add Notes / Photos - # 10

Observation

Observation and Remarks

Time	15:30 (-4 GMT)
Notes	ERROR: JGW only removed the water aerator at 490 North Road. 413 North Road and 794 Beecher Hill Road were sampled with the aerator still on.

Add Notes / Photos - # 11

Observation

Time	15:31 (-4 GMT)
Notes	Done in Hinesburg. Will ship samples tomorrow. JGW and JSM off site.

Signature

Signature	
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SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg Landfill
 SEI Project Number: 20221205 20211205 ①
 Client: Town of Hinesburg
 Project Manager: Katrina Mattice

Location ID: 794 Beecher Hill Rd
 Sample Date: 3/21/23
 Property Contact Name, Address and Phone Number: Tyler & Jessica
 Water Supply Type (bedrock, shallow well, spring, etc.):
 Well Location and GPS Coordinates: In driveway - see collector
 Septic Location and GPS Coordinates: On southwest side of house - see collector
 Water Treatment (softener, filter, etc.): softener (inactive) according to homeowner
 Sample Location (Pressure Tank, Outside Spigot, etc.): ① Pressure tank kitchen sink
 SOP/SSP #'s Followed: SOPs SEI-5.57.1 SEI Equipment ID
 Sampling Method: grab ~~Turbidimeter~~
 Sampling Personnel: JSM, JGW ~~Water Quality Sonde SN~~
 Weather: Sunny, 40°


Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)

Total Purge Time: _____ Minutes (v) _____ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
<u>2 @ 794 Beecher Hill</u>	<u>13:41</u>	<u>250</u>	<u>JSM & JGW</u>	<u>PFAS 537.1</u>	
<u>3 @ 794 Beecher Hill</u>	<u>13:41</u>	<u>40</u>	<u>JSM & JGW</u>	<u>VOCs 524.2</u>	

Sample Area Inventory/Use:

Site Sketch Showing General Location of Supply Well, House, Septic, Road

① (E) Pressure tank inactive, sampled from kitchen sink instead
 3/21/23 JSM
 ② (E) Wrong PO# 3/22/23 JSM
 Sampling Personnel Signature  Date 3/21/23

SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg Landfill
 SEI Project Number: 20221205 0
 Client: Town of Hinesburg
 Project Manager: Katrina Mattice

Location ID: 182 Forest Edge Rd
 Sample Date: 3/21/23
 Property Contact Name, Address and Phone Number: Robert & Priscilla
 Water Supply Type (bedrock, shallow well, spring, etc.):
 Well Location and GPS Coordinates: see collector in front of house
 Septic Location and GPS Coordinates: behind house along fence. (back of see collector)
 Water Treatment (softener, filter, etc.): softener
 Sample Location (Pressure Tank, Outside Spigot, etc.): pressure tank
 SOP/SSP #'s Followed: SOPs SEI-5.57.1

Sampling Method: <u>Grab</u>	Turbidimeter	SEI Equipment ID
Sampling Personnel: <u>JSM & JGW</u>	Water Quality Sonde SN	
Weather: <u>Sunny/Partially Cloudy ~40°F</u>		

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)

Total Purge Time: _____ Minutes (v) _____ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
<u>2@ 182 Forest Edge Rd</u>	<u>14:20</u>	<u>250</u>	<u>JSM & JGW</u>	<u>PFAS 537.1</u>	
<u>3@ 182 Forest Edge Rd</u>	<u>14:20</u>	<u>40</u>	<u>JSM & JGW</u>	<u>VOCS 524.1</u>	

Sample Area Inventory/Use:

Site Sketch Showing General Location of Supply Well, House, Septic, Road

01E Wrong PO# 3/22/23 JSM
 Sampling Personnel Signature  Date 3/21/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg Landfill		
SEI Project Number:	20221205 202112050		
Client:	Town of Hinesburg		
Project Manager:	Katrina Mattice		
Location ID	413 North Rd		
Sample Date	3/21/23		
Property Contact Name, Address and Phone Number	Timothy & Linda		
Water Supply Type (bedrock, shallow well, spring, etc.)	bedrock well		
Well Location and GPS Coordinates	Front left of house, (see collector)		
Septic Location and GPS Coordinates	Behind house, (see collector)		
Water Treatment (softener, filter, etc..)	NA		
Sample Location (Pressure Tank, Outside Spigot, etc.)	kitchen sink		
SOP/SSP #'s Followed	SOPs SEI-5.57.1		SEI Equipment ID
Sampling Method	Grab	Turbidimeter	Water Quality Sonde SM
Sampling Personnel	JSM & JGW		
Weather	Cloudy, ~40°		

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10.0 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)

Total Purge Time: _____ Minutes (v) _____ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
2 @ 413 North Rd	1451	250	JSM & JGW	PFAS-537.1	
3 @ 413 North Rd	1451	40	JSM & JGW	VOCS-524.9	

Sample Area Inventory/Use:

Site Sketch Showing General Location of Supply Well, House, Septic, Road

① Wrong PO# JSM 3/22/23

Sampling Personnel Signature



Date

3/21/23

SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg Landfill
 SEI Project Number: 202212050 202112050
 Client: Town of Hinesburg
 Project Manager: Katrina Mattice

Location ID: 490 North Rd
 Sample Date: 3/21/23
 Property Contact Name, Address and Phone Number: Krista
 Water Supply Type (bedrock, shallow well, spring, etc.): spring
 Well Location and GPS Coordinates: see collector
 Septic Location and GPS Coordinates: see collector
 Water Treatment (softener, filter, etc.): NA
 Sample Location (Pressure Tank, Outside Spigot, etc.): kitchen sink
 SOP/SSP #'s Followed: SOPs SEI-5.57.1

Sampling Method: <u>Grab</u>	Turbidimeter	SEI Equipment ID
Sampling Personnel: <u>JSM & JGW</u>	Water Quality Sonde SN	
Weather: <u>cloudy, ~40°</u>		

Cumulative Vol Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)

Total Purge Time: _____ Minutes (v) _____ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
2 @ 490 North Rd	1518	250	JSM & JGW	PFAS - 537.1	
3 @ 490 North Rd	1518	40	JSM & JGW	VOCS - 524.2	
3 @ 490 North Rd - fd	1518	40	JSM & JGW	VOCS - 524.2	
2 @ 490 North Rd - frb	1518 ^① 1508	250	JSM & JGW	PFAS - 537.1	

Sample Area Inventory/Use:

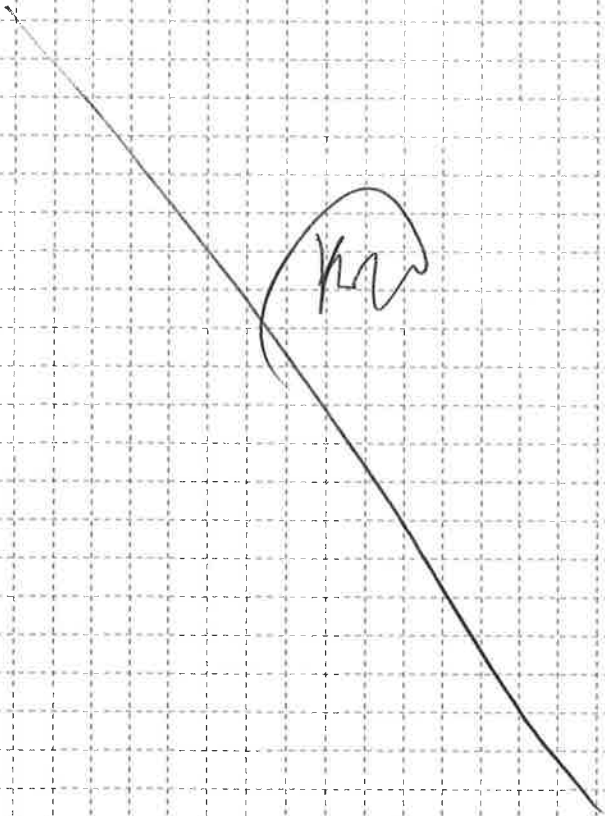
Site Sketch Showing General Location of Supply Well, House, Septic, Road

① (E) Incorrect time 3/21/23 JSM
 ② (E) wrong PO# 3/22/23 JSM
 Sampling Personnel Signature: [Signature] Date: 3/21/23

OBSERVATIONS AND REMARKS

Project Name/Description: <u>Hinesburg LF</u>	 STONE ENVIRONMENTAL 535 Stone Cutters Way / Montpelier / VT / 05602 / USA 802.229.4541 / info@stone-env.com / www.stone-env.com
SEI Project #: <u>20211205</u>	Client/Sponsor:

1410 ~~0218~~ arrive onsite, objective sample 3 water supplies
(KW)
1425 collect 206 Forest Edge
1510 collect 714 Beecher Hill
1540 collect 455 North / - FRD
1546 collect 455 North - FRD
1615 OFFSITE, pack up & go to Eurofins



Signed: Kathina Mottice

Date: 4/5/23

SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg Land fill
 SEI Project Number: 20211205
 Client: Town of Hinesburg
 Project Manager: Katrina Mattice

Location ID: 206 Forest Edge Rd
 Sample Date: 4/5/23
 Property Contact Name, Address and Phone Number: Janet Francis
 Water Supply Type (bedrock, shallow well, spring, etc.): Bedrock
 Well Location and GPS Coordinates: GPS
 Septic Location and GPS Coordinates: GPS
 Water Treatment (softener, filter, etc.): yes, softener, Ro in kitchen sink, aerator in well
 Sample Location (Pressure Tank, Outside Spigot, etc.): pressure tank in basement
 SOP/SSP #'s Followed: SOPs SEI-5.57.1
 Sampling Method: grab Turbidimeter
 Sampling Personnel: KSM Water Quality Sonde SN
 Weather: 40°F / rain

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)

Total Purge Time: 10 Minutes (v) Meters Calibrated (v) start @ 1411

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
<u>206 Forest Edge</u>	<u>1425</u>	<u>3x40</u>	<u>KJM</u>	<u>VOCs - 524.2</u>	
<u>↓</u>	<u>↓</u>	<u>2x250</u>	<u>KJM</u>	<u>PFAS - 537.1</u>	

Sample Area Inventory/Use: Clorox, mold/stain remover, Septic House
 //

Site Sketch Showing General Location of Supply Well, House, Septic, Road

aerator @ 30' down from static level in well. also Ro only under kitchen sink, softener, for Arsenic & metals
 Vermont Water did softener, replace pressure tank due to Lead, company from Manchester VT, EZ Environmental radon fan for subslab & water.

Sampling Personnel Signature K Mattice Date 4/5/23

pump replaced by vt well & pump

SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg LF
 SEI Project Number: 20211205
 Client: Town of Hinesburg
 Project Manager: Katrina Matrice

Location ID: 714 Beecher Hill Rd
 Sample Date: 4/5/23
 Property Contact Name, Address and Phone Number: Laura Wisniewski
 Water Supply Type (bedrock, shallow well, spring, etc.): Bedrock
 Well Location and GPS Coordinates: GPS Location
 Septic Location and GPS Coordinates: OK
 Water Treatment (softener, filter, etc.): Carbon Filter under kitchen sink
 Sample Location (Pressure Tank, Outside Spigot, etc.): outdoor spigot
 SOP/SPP #'s Followed: SOPs SEI-5.57.1 SEI Equipment ID
 Sampling Method: grab Turbidimeter
 Sampling Personnel: KJM Water Quality Sonde SN
 Weather: 40 deg F / rain

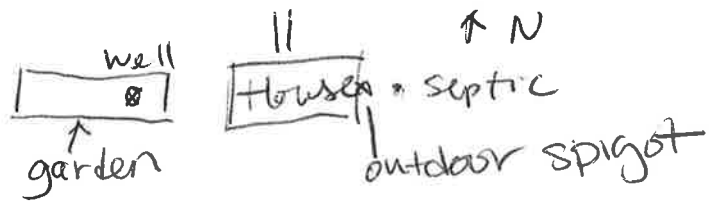
Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)

Total Purge Time: 10 Minutes (v) Meters Calibrated (v) Start @ 1500

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments
<u>714 Beecher Hill</u>	<u>1510</u>	<u>3x40mL</u>	<u>KJM</u>	<u>VOLs 524.2</u>	
<u>↓</u>	<u>1510</u>	<u>2x250</u>	<u>KJM</u>	<u>PFAS 537.1</u>	

Sample Area Inventory/Use:
outdoors

Site Sketch Showing General Location of Supply Well, House, Septic, Road



Sampling Personnel Signature: K. Matrice Date: 4/5/23

SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg LF
 SEI Project Number: 20211205
 Client: Town of Hinesburg
 Project Manager: Katrina Mattice

Location ID: 455 North Rd
 Sample Date: 4/15/23
 Property Contact Name, Address and Phone Number: Timothy & Linda Parent
 Water Supply Type (bedrock, shallow well, spring, etc.): Spring w/ concrete tiles
 Well Location and GPS Coordinates: GPS
 Septic Location and GPS Coordinates: Not in use
 Water Treatment (softener, filter, etc.): None
 Sample Location (Pressure Tank, Outside Spigot, etc.): outdoor spigot
 SOP/SSP #'s Followed: SOPs SEI-5.7.1
 Sampling Method: grab Turbidimeter
 Sampling Personnel: KJM Water Quality Sonde SN
 Weather: 40°F | rain

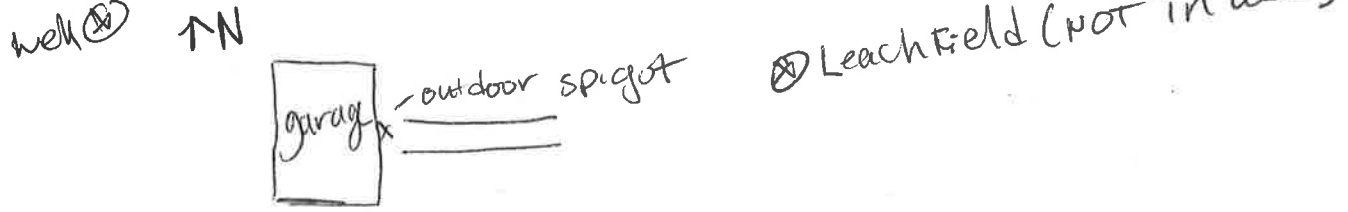
Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)

Total Purge Time: 10 Minutes (v) Meters Calibrated (v) 1530

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments
<u>455 North</u>	<u>1540</u>	<u>3x40</u>	<u>KJM</u>	<u>VOCs 524.2</u>	<u>collect field duplicate</u>
<u>↓</u>	<u>↓</u>	<u>2x250</u>	<u>KJM</u>	<u>PPAS 537.1</u>	
<u>455 North-FD</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	
<u>455 North-FRB</u>	<u>@ 1546</u>	<u>2x250</u>	<u>KJM</u>	<u>PPAS 537.1</u>	<u>& FRB</u>

Sample Area Inventory/Use: out doors
well used for washing equipment (not drinking water)

Site Sketch Showing General Location of Supply Well, House, Septic, Road



Sampling Personnel Signature: K. Mattice Date: 4/15/23

Chain of Custody Record

Client Information Client Contact: Ms. Katrina Mattice Company: Stone Environmental Address: 535 Stone Cutters Way City: Montpelier State, Zip: VT, 05602 Phone: 802-229-6434(Tel) Email: kmattice@stone-env.com Project Name: Town of Hinesburg Landfill - Hinesburg, Site: Hinesburg LF		Lab P#: Huntley, Agnes R E-Mail: Agnes.Huntley@et.eurofins.com PWSID:		Carrier Tracking No(s): State of Origin:		COC No: 620-9407-1193.1 Page: Page 1 of 1 Job #: 20211205	
Due Date Requested: TAT Requested (days): Standard Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 20211205 WO #: 20211205 Project #: 62000809 SSW#:		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		Special Instructions/Note: water aerated	
Sample Identification		Field Filtered Sample (Yes or No)		524.2 Preserved - (MOD) Regulated + THM's		Total Number of Containers	
Sample Date 4/5/23 4/5/23 4/5/23 4/5/23 4/5/23	Sample Time 1425 1510 1540 1540 1546 0800	Sample Type (C=comp, G=grab) G G G G G G	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air) Drinking Water Drinking Water Drinking Water Drinking Water Drinking Water Drinking Water	X X X X X X	Y X X X X X	X X X X X X	X X X X X X
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify) //		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:		Method of Shipment:		Relinquished by:	
Relinquished by: Katrina Mattice		Date/Time: 4/5/23 @ 1645		Received by:		Date/Time: 4/5/23 1645 Company: ENA	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Company:	

Stone Environmental, Inc. Field Instrument Calibration Record

Project Name: <u>Hinesburg Landfill</u>	Date: <u>05-30-2023</u>	Sampler (Sig/Date): <u>Jan 2023</u>
SEI Project Number: <u>20211205</u>	Task: <u>Groundwater monitoring</u>	
Project Location: <u>Hinesburg</u>	Checked By/Date: <u>JGW</u>	<u>05-30-2023</u>
Weather Conditions (AM): <u>60s, sunny</u>	Weather Conditions (PM): _____	

MULTI-PARAMETER WATER QUALITY METER							
Meter Type: <u>YSI</u>		AM Calibration			Post Calibration Check		
Model NO.: _____		Start Time <u>07:55</u>	/End Time <u>08:34</u>		Start Time <u>19:26</u>	/End Time <u>19:39</u>	
Unit ID NO.: <u>6817</u>							
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4	4.06	±0.1 pH Units			
pH (7)	SU	7	7.04	±0.1 pH Units	7	7.10	±0.3 pH Units
pH (10)	SU	10	10	±0.1 pH Units			
ORP	mV	220	220.0	±10 mV	220	208.5	±10 mV
Specific Conductance	µs/cm	1,335	1,319.0	±0.5% of Standard	1,555	1,527.0	±5% of Standard
Dissolved Oxygen	%	100%	100.3	±2% of Standard	100%	101.9	±0.5 mg/L of sat. val.
Temperature	°C		22.0			30.0	
Baro. Press.	mmHg		752.3			748.7	

TURBIDITY METER		Meter Type: <u>Geotech</u>	Model NO.: _____	Unit ID NO.: <u>6356</u>			
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
	NTU	NTU 20	19.6	±0.3 NTU of stan. Of	NTU 20	15.3	±0.3 NTU of stan. Of
	NTU	NTU 100	101	1.0 NTU or less. ±5%	NTU 100	84	1.0 NTU or less. ±5%
	NTU	NTU 800	805	of standards >5 NTU	NTU 800	1,010	of standards >5 NTU

PHOTONIZATION DETECTOR		Meter Type: _____	Model NO.: _____	Unit ID NO.: _____			
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	0.0		within 5 ppmv of BG	0.0		within 5 ppmv of BG
Span Gas	ppmv	100		±10% of standard	100		±10% of standard

O ₂ -LEL 4 GAS METER		Meter Type: _____	Model NO.: _____	Unit ID NO.: _____			
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		±10% of standard	50		±10% of standard
O ₂	%	20.9		±10% of standard	20.9		±10% of standard
H ₂ S	ppmv	25		±10% of standard	25		±10% of standard
CO	ppmv	50		±10% of standard	50		±10% of standard

- Equipment calibrated within the Acceptance Criteria specified for each parameter listed above
- Equipment **not** calibrated within the Acceptance Criteria specified for each parameter listed above**.

MATERIALS RECORD		Calibration Standard Lot #	Exp. Date
Deionized/Distilled Water Source: _____		pH (4) <u>2GX933</u>	<u>03/24</u>
Trip Blank Source: _____		pH (7) <u>2GH764</u>	<u>08/24</u>
Sample Preservative Source: _____		pH (10) <u>2GI302</u>	<u>09/24</u>
Disposable Filter Type: _____		ORP <u>2GD754</u>	<u>01/24</u>
DO Calibration Fluids Source: _____		Spec. Conductivity <u>2GJ836</u>	<u>10/23</u>
Other: _____		Turb. Stan. NTU 20 <u>52D</u>	<u>08/24</u>
		Turb. Stan. NTU 100 <u>52D</u>	<u>08/24</u>
		Turb. Stan. NTU 800 <u>52D</u>	<u>08/24</u>
		PID Scan Gas _____	
		O ₂ LEL _____	
		Other _____	



* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations. **= If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.

Stone Environmental, Inc. Field Instrument Calibration Record

Project Name: <u>Hinesburg Landfill</u>	Date: <u>05-30-2023</u>	Sampler (Sig/Date): <u> </u>
SEI Project Number: <u>20211205</u>	Task: <u>Groundwater monitoring</u>	
Project Location: <u>Hinesburg, VT</u>	Checked By/Date: <u>LMP</u>	<u>05-30-2023</u>
Weather Conditions (AM): <u>57, sunny</u>	Weather Conditions (PM): <u> </u>	

MULTI-PARAMETER WATER QUALITY METER					Post Calibration Check		
Meter Type:	AM Calibration				Post Calibration Check		
Model NO.:	Start Time	/End Time			Start Time	/End Time	
Unit ID NO.:							
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4	4.10	±0.1 pH Units			
pH (7)	SU	7	7.06	±0.1 pH Units	7	7.00	±0.3 pH Units
pH (10)	SU	10	10	±0.1 pH Units			
ORP	mV	220	220.0	±10 mV	220	205.0	±10 mV
Specific Conductance	µs/cm	1,309	1,307.0	±0.5% of Standard	1,550	1,491.0	±5% of Standard
Dissolved Oxygen	%	100%	98.3	±2% of Standard	100%	99.3	±0.5 mg/L of sat. val.
Temperature	°C		21.0			29.2	
Baro. Press.	mmHg		752.7			748.9	

TURBIDITY METER					Post Calibration Check		
Meter Type:	AM Calibration				Post Calibration Check		
Model NO.:	Start Time	/End Time			Start Time	/End Time	
Unit ID NO.:							
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
	NTU	NTU 20	20.2	±0.3 NTU of stan. Of	NTU 20	19.4	±0.3 NTU of stan. Of
	NTU	NTU 100	99	1.0 NTU or less. ±5%	NTU 100	99	1.0 NTU or less. ±5%
	NTU	NTU 800	803	of standards >5 NTU	NTU 800	787	of standards >5 NTU

PHOTIONIZATION DETECTOR					Post Calibration Check		
Meter Type:	AM Calibration				Post Calibration Check		
Model NO.:	Start Time	/End Time			Start Time	/End Time	
Unit ID NO.:							
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
Background	ppmv	0.0		within 5 ppmv of BG	0.0		within 5 ppmv of BG
Span Gas	ppmv	100		±10% of standard	100		±10% of standard

O ₂ -LEL 4 GAS METER					Post Calibration Check		
Meter Type:	AM Calibration				Post Calibration Check		
Model NO.:	Start Time	/End Time			Start Time	/End Time	
Unit ID NO.:							
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
Methane	%	50		±10% of standard	50		±10% of standard
O ₂	%	20.9		±10% of standard	20.9		±10% of standard
H ₂ S	ppmv	25		±10% of standard	25		±10% of standard
CO	ppmv	50		±10% of standard	50		±10% of standard

- Equipment calibrated within the Acceptance Criteria specified for each parameter listed above
- Equipment **not** calibrated within the Acceptance Criteria specified for each parameter listed above**.

MATERIALS RECORD		Calibration Standard Lot #	Exp. Date
Deionized/Distilled Water Source:		pH (4) <u>2GC933</u>	<u>03/24</u>
Trip Blank Source:		pH (7) <u>2GH764</u>	<u>08/24</u>
Sample Preservative Source:		pH (10) <u>2GI302</u>	<u>09/24</u>
Disposable Filter Type:		ORP <u>3GD754</u>	<u>01/24</u>
DO Calibration Fluids Source:		Spec. Conductivity <u>2GJ836</u>	<u>10/23</u>
Other:		Turb. Stan. NTU 20 <u>35D</u>	<u>07/23</u>
		Turb. Stan. NTU 100 <u>35D</u>	<u>07/23</u>
		Turb. Stan. NTU 800 <u>35D</u>	<u>07/23</u>
		PID Scan Gas	
		O ₂ LEL	
		Other	



* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations. **= If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.

Stone Environmental, Inc. Field Instrument Calibration Record

Project Name: <u>Hinesburg Landfill</u>	Date: <u>05-31-2023</u>	Sampler (Sig/Date): <u>PSH</u>
SEI Project Number: <u>20211205</u>	Task: <u>Groundwater monitoring</u>	
Project Location: <u>Hinesburg</u>	Checked By/Date: <u>JGW</u>	<u>05-31-2023</u>
Weather Conditions (AM): <u>65, sunny</u>	Weather Conditions (PM): <u>85, sunny</u>	

MULTI-PARAMETER WATER QUALITY METER					Post Calibration Check		
Meter Type:	AM Calibration				Post Calibration Check		
<u>Geotech</u>	Start Time	/End Time			Start Time	/End Time	
	<u>08:44</u>	<u>09:06</u>			<u>18:22</u>	<u>18:35</u>	
Model NO.:	Unit ID NO.:				*Acceptance		
<u>6817</u>	<u>6817</u>				Criteria (AM)		
Units	Standard Value	Meter Value			Standard Value	Meter Value	Criteria (PM)
pH (4)	SU	4	3.99	±0.1 pH Units			
pH (7)	SU	7	7.11	±0.1 pH Units	7	7.06	±0.3 pH Units
pH (10)	SU	10	10	±0.1 pH Units			
ORP	mV	220	218.5	±10 mV	220	207.0	±10 mV
Specific Conductance	µs/cm	1,334	1,335.0	±0.5% of Standard	1,526	1,360.0	±5% of Standard
Dissolved Oxygen	%	100%	98.1	±2% of Standard	100%	98.3	±0.5 mg/L of sat. val.
Temperature	°C		22.3			29.0	
Baro. Press.	mmHg		748.2			748.3	

TURBIDITY METER					*Acceptance		
Meter Type:	Model NO.:				*Acceptance		
<u>Geotech</u>	Unit ID NO.:				Criteria (AM)		
	<u>7722</u> <th colspan="3">Criteria (PM)</th>				Criteria (PM)		
Units	Standard Value	Meter Value			Standard Value	Meter Value	Criteria (PM)
NTU	NTU 20	20.0	±0.3 NTU of stan. Of		NTU 20	19.9	±0.3 NTU of stan. Of
NTU	NTU 100	100	1.0 NTU or less. ±5%		NTU 100	97	1.0 NTU or less. ±5%
NTU	NTU 800	800	of standards >5 NTU		NTU 800	788	of standards >5 NTU

PHOTIONIZATION DETECTOR					*Acceptance		
Meter Type:	Model NO.:				*Acceptance		
	Unit ID NO.:				Criteria (AM)		
	<th colspan="3">Criteria (PM)</th>				Criteria (PM)		
Units	Standard Value	Meter Value			Standard Value	Meter Value	Criteria (PM)
Background	ppmv	0.0	within 5 ppmv of BG		0.0		within 5 ppmv of BG
Span Gas	ppmv	100	±10% of standard		100		±10% of standard

O ₂ -LEL 4 GAS METER					*Acceptance		
Meter Type:	Model NO.:				*Acceptance		
	Unit ID NO.:				Criteria (AM)		
	<th colspan="3">Criteria (PM)</th>				Criteria (PM)		
Units	Standard Value	Meter Value			Standard Value	Meter Value	Criteria (PM)
Methane	%	50	±10% of standard		50		±10% of standard
O ₂	%	20.9	±10% of standard		20.9		±10% of standard
H ₂ S	ppmv	25	±10% of standard		25		±10% of standard
CO	ppmv	50	±10% of standard		50		±10% of standard

- Equipment calibrated within the Acceptance Criteria specified for each parameter listed above.
 Equipment **not** calibrated within the Acceptance Criteria specified for each parameter listed above**.

MATERIALS RECORD		Calibration Standard Lot #		Exp. Date
Deionized/Distilled Water Source:		pH (4)	<u>2GC933</u>	<u>03/24</u>
Trip Blank Source:		pH (7)	<u>2GH764</u>	<u>08/24</u>
Sample Preservative Source:		pH (10)	<u>2GI302</u>	<u>09/24</u>
Disposable Filter Type:		ORP	<u>2GD754</u>	<u>01/24</u>
DO Calibration Fluids Source:		Spec. Conductivity	<u>2GHI493</u>	<u>08/23</u>
Other:		Turb. Stan. NTU 20	<u>35D</u>	<u>07/23</u>
		Turb. Stan. NTU 100	<u>35D</u>	<u>07/23</u>
		Turb. Stan. NTU 800	<u>35D</u>	<u>07/23</u>
		PID Scan Gas		
		O ₂ LEL		
		Other		



* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations. **= If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.

MONITORING WELL SAMPLING FORM



Project Name:	Hinesburg Landfill	Comments:
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	MW-1R	Equipment ID / SN
Sample Date	05-30-2023	Pump: 7021
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator: 7454
Sampling Method	Bladder Pump	Water Quality Sonde: 6190
Sampling Personnel	Katrina Mattice, Lakshmi Pillai	Turbidity Meter: 7722
Weather		Other: HDPE

Calculate Purge Volumes

Time of water level measurement (military): 14:29 Depth of Pump/Intake: 47.00 feet Measuring Point Description: TOC Well Screen Length:

Total Well Depth (btoc)	Depth to Water (btoc)	Height of Water Column	One Well Volume
48.80 feet	36.30 feet	= 12.50 feet	= 7.71 liters
		X 0.155 liters/feet (1-inch well)	
		X 0.347 liters/feet (1.5-inch well)	
		X 0.617 liters/feet (2-inch well)	

Time purging began (military): 15:25 3 X One Well Volume 23.14 liters

Time purging ended (military): 16:31 5 X One Well Volume liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
39.20	150	15:26		12.5	-15	8.67	4.61	123	79.5
40.32	2,500	15:31		12.5	-31	8.81	4.59	122	111.0
41.30	3,500	15:35		13.9	-34	8.83	4.64	121	39.1
42.4	5,000	15:41		11.7	-27	8.79	5.31	121	26.3
43.9	6,000	15:46		14.0	-29	8.79	4.84	121	35.3
44.1	6,600	15:50		15.3	-29	8.76	4.20	119	34.5
43.9	6,900	15:55		18.5	-7	8.71	4.71	121	31.9
43.8	6,900	16:00		19.5	-20	8.69	4.10	124	49.5
44.4	7,500	16:05		12.7	-18	8.70	5.49	122	47.9
44.8	8,000	16:10		16.3	-23	8.71	4.47	121	43.3
43.9	8,500	16:27		11.6	-13	8.70	6.29	121	42.3

Total Vol. Removed: 9.0 Liters (v) Meters Calibrated (v) ___ Min. 3 Well Vol. Purged (v) Parameters Stable for 3 consecutive measurements

Sample Identification	Field Dup.	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-1R		16:31	Katrina Mattice, Lakshmi Pillai	1 x 250 mL Plastic, 3 x 40mL VOA, 2 x 250 mL Plastic 2, 1 x 125 mL Plastic, Other	Nitric Acid, Sulfuric Acid, HCl, Other	VOC 8260, PP Metals 6010, COD, Total Metals, PFAS 537.1, Other	

Sampling Personnel Signature Date 05-30-2023

MONITORING WELL SAMPLING FORM



Project Name:	Hinesburg landfill	Comments: Plas by 537 IDA, chloride
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	MW-2D	Equipment ID / SN	
Sample Date	05-30-2023	Pump:	
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator:	7454
Sampling Method	Bladder Pump	Water Quality Sonde:	6198
Sampling Personnel	Katrina Mattice, Lakshmi Pillai	Turbidity Meter:	7722
Weather	Sunny/ 75 deg f	Other:	HDPE

Calculate Purge Volumes

Time of water level measurement (military): 12:47 Depth of Pump/Intake: 112.00 feet Measuring Point Description: TOC Well Screen Length:

Total Well Depth (btoc)	Depth to Water (btoc)	Height of Water Column	One Well Volume
113.00 feet	94.45 feet	= 18.55 feet	= 11.45 liters
		X 0.155 liters/feet (1-inch well)	
		X 0.347 liters/feet (1.5-inch well)	
		X 0.617 liters/feet (2-inch well)	

Time purging began (military): 12:50 3 X One Well Volume 34.34 liters

Time purging ended (military): 14:00 5 X One Well Volume liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
96.38	200	13:10	40	16.4	41	6.86	4.96	819	6.6
96.95	1,000	13:24	40	15.1	43	6.92	3.54	802	12.8
97.09	1,200	13:29	40	14.5	43	6.99	4.83	803	26.6
97.67	1,680	13:41	40	14.4	43	7.14	7.44	796	21.9
98.05	1,880	13:46	40	14.8	39	7.16	7.81	788	29.3
98.36	2,160	13:53	40	14.6	34	7.21	7.51	783	31.7
98.54	2,360	13:58	40	14.5	30	7.19	7.16	780	25.0

Total Vol. Removed: 2.4 Liters (v) Meters Calibrated (v) Min. 3 Well Vol. Purged (v) Parameters Stable for 3 consecutive measurements

Sample Identification	Field Dup.	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-2D		14:00	Katrina Mattice, Lakshmi Pillai	3 x 40mL VOA, 1 x 125 mL Plastic, Other, 2 x 250 mL Plastic 1, 1 x 250 mL Plastic	Nitric Acid, HCl, Sulfuric Acid, None	VOC 8260, PFAS 537.1, Total Metals, PP Metals 6010, COD	

Sampling Personnel Signature Date 05-30-2023

MONITORING WELL SAMPLING FORM



Project Name:	Hinesburg Landfill	Comments: pfas by 537 id, chloride
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	MW-2S	Equipment ID / SN
Sample Date	05-30-2023	Pump: 7021
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator: 7454
Sampling Method	Bladder Pump	Water Quality Sonde: 6190
Sampling Personnel	Lakshmi Pillai, Katrina Mattice	Turbidity Meter: 7722
Weather	67, sunny	Other: HDPE

Calculate Purge Volumes

Time of water level measurement (military): 10:15 Depth of Pump/Intake: 63.00 feet Measuring Point Description: TOC Well Screen Length:


Total Well Depth (btoc) 64.80 feet Depth to Water (btoc) 44.65 feet Height of Water Column = 20.15 feet X 0.155 liters/feet (1-inch well) One Well Volume = 12.43 liters
X 0.347 liters/feet (1.5-inch well)
X 0.617 liters/feet (2-inch well)

Time purging began (military): 10:38 3 X One Well Volume 37.30 liters
Time purging ended (military): 11:34 5 X One Well Volume liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
45.52	3,000	10:41		11.9	-56	6.69	1.90	963	18.8
47.1	3,000	10:50		10.9	-67	6.70	0.43	946	23.0
48.25	3,800	10:56		10.9	-71	6.72	0.22	930	24.7
49.1	5,000	11:00		10.8	-72	6.73	0.19	923	18.0
49.75	6,500	11:06		10.8	-71	6.73	0.21	927	19.6
49.6	7,800	11:14		11.2	-70	6.72	0.12	934	27.1
49.8	8,000	11:19		11.3	-69	6.71	0.09	924	22.7
49.7	8,500	11:21		11.0	-69	6.71	0.14	939	12.4
49.8	9,000	11:25		11.6	-69	6.71	0.06	943	9.8
49.8	9,500	11:29		11.6	-69	6.71	0.23	954	7.9

Total Vol. Removed: 9.0 Liters (v) Meters Calibrated (v) Min. 3 Well Vol. Purged (v) Parameters Stable for 3 consecutive measurements

Sample Identification	Field Dup.	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-2S		11:31	Lakshmi Pillai, Katrina Mattice	1 x 250 mL Plastic, 3 x 40mL VOA, 2 x 250 mL Plastic 2, 1 x 125 mL Plastic, Other	None, HCl, Nitric Acid, Sulfuric Acid	VOC 8260, PP Metals 6010, COD, Total Metals, PFAS 537.1, Other	

Sampling Personnel Signature _____  _____ Date 05-30-2023

MONITORING WELL SAMPLING FORM



Project Name:	Hinesburg Landfill	Comments: Had to troubleshoot compressor and bladder. Reconnected to YSI at 1300. Turbidity values are very high, but all parameters have stabilized. A sample will be collected.
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	MW-4D	Equipment ID / SN	
Sample Date	05-30-2023	Pump:	
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator:	SEI #8
Sampling Method	Bladder Pump	Water Quality Sonde:	6817
Sampling Personnel	Jodie Wright	Turbidity Meter:	6356
Weather	60s and sunny	Other:	HDPE

Calculate Purge Volumes

Time of water level measurement (military): 09:41 Depth of Pump/Intake: _____ feet Measuring Point Description: _____ Well Screen Length: _____

Total Well Depth (btoc) _____ feet Depth to Water (btoc) _____ feet Height of Water Column = 22.35 feet One Well Volume = 13.79 liters

0.155 liters/feet (1-inch well)
 0.347 liters/feet (1.5-inch well)
 0.617 liters/feet (2-inch well)


Time purging began (military): 10:07 3 X One Well Volume 41.37 liters

Time purging ended (military): 14:20 5 X One Well Volume _____ liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
72.74	2,500	10:29	125	13.1	50	7.92	3.84	531	147.0
73.54	3,400	10:35	150	13.5	44	7.95	4.25	530	133.0
74.86	4,200	10:40	150	13.5	43	7.97	4.56	527	90.1
75.46	4,600	10:45	80	15.3	42	7.92	4.43	521	60.2
75.83	4,700	10:50	160	16.7	41	7.91	4.07	531	1,090.0
75.68	5,000	13:06	160	15.3	-20	7.96	4.30	537	1,090.0
77.82	6,000	13:15	160	13.1	6	8.26	14.13	532	1,000.0
79.2	7,000	13:27	160	15.0	11	8.34	14.10	533	296.0
79.65	8,700	13:33	160	13.6	17	8.27	13.40	532	196.0
79.62	9,000	13:38	160	13.8	17	8.31	13.73	534	186.0
79.63	9,600	13:43	160	13.5	22	8.36	13.31	529	499.0
80.05	10,100	13:48	160	13.8	21	8.33	13.54	530	935.0
80.61	10,600	13:53	160	13.4	24	8.29	13.44	525	1,020.0
81.05	11,000	13:58	160	13.9	20	8.30	14.04	524	1,100.00
81.62	11,700	14:03	160	13.7	26	8.35	13.37	518	1,010.00

Total Vol. Removed: 12.0 Liters (v) Meters Calibrated (v) _____ Min. 3 Well Vol. Purged (v) Parameters Stable for 3 consecutive measurements

Sample Identification	Field Dup.	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-4D		14:20	Jodie Wright	Other		COD, Total Metals, Other, VOC 8260	

Sampling Personnel Signature  Date 05-30-2023

MONITORING WELL SAMPLING FORM



Project Name:	Hinesburg Landfill	Comments: Very silty on bottom of well, difficult to gauge total well depth.
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	MW-4S	Equipment ID / SN	
Sample Date	05-30-2023	Pump:	
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator:	SEI #8
Sampling Method	Bladder Pump	Water Quality Sonde:	6817
Sampling Personnel	Jodie Wright	Turbidity Meter:	6356
Weather	60s, sunny	Other:	HDPE

Calculate Purge Volumes

Time of water level measurement (military): 09:59	Depth of Pump/Intake: 47.00 feet	Measuring Point Description: TOC	Well Screen Length:
Total Well Depth (btoc): 49.15 feet	Depth to Water (btoc): 36.94 feet	Height of Water Column: = 12.21 feet	One Well Volume: = 7.53 liters
		X 0.155 liters/feet (1-inch well)	
		X 0.347 liters/feet (1.5-inch well)	
		X 0.617 liters/feet (2-inch well)	
Time purging began (military): 15:00		3 X One Well Volume	22.60 liters
Time purging ended (military): 16:25		5 X One Well Volume	liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
37.02	1,100	15:08	150	13.4	-59	7.12	0.74	1,307	222.0
36.99	2,500	15:15	280	12.9	-55	7.13	0.35	1,337	78.1
37.01	3,900	15:20	280	12.6	-52	7.16	0.22	1,404	41.4
37.01	4,100	15:25	220	12.4	-52	7.18	0.17	1,404	31.7
37.08	5,300	15:30	240	12.1	-53	7.22	0.13	1,395	16.3
37.04	6,500	15:35	260	12.3	-54	7.22	0.15	1,394	15.4
37.08	7,900	15:40	280	12.2	-55	7.25	0.12	1,391	11.4
37.12	9,100	15:45	240	12.2	-56	7.25	0.15	1,395	7.2
37.07	10,200	15:50	240	12.3	-57	7.26	0.12	1,394	9.2
37.15	11,500	15:55	260	12.4	-58	7.28	0.13	1,392	6.0
37.15	12,800	16:00	260	12.2	-61	7.34	0.12	1,395	7.6
37.09	14,300	16:05	300	12.2	-61	7.37	0.10	1,391	8.6
37.19	15,400	16:10	220	12.1	-61	7.39	0.10	1,384	8.8
37.1	16,700	16:15	260	12.1	-62	7.40	0.10	1,383	8.30

Total Vol. Removed: 19.0 Liters (v) Meters Calibrated (v) Min. 3 Well Vol. Purged (v) Parameters Stable for 3 consecutive measurements

Sample Identification	Field Dup.	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-4S		16:25	Jodie Wright	Other	HCl, None, Nitric Acid, Sulfuric Acid	COD, Total Metals, Other, VOC 8260	

Sampling Personnel Signature Jodie Wright Date 05-30-2023

MONITORING WELL SAMPLING FORM



Project Name:	Hinesburg Landfill	Comments:
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	MW-3D	Equipment ID / SN
Sample Date	05-31-2023	Pump: 5777
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator: 7454
Sampling Method	Bladder Pump	Water Quality Sonde: 6817
Sampling Personnel	Jodie Wright, Lakshmi Pillai	Turbidity Meter: 6356
Weather	70s and sunny	Other: HDPE

Calculate Purge Volumes

Time of water level measurement (military): 11:45 Depth of Pump/Intake: _____ feet Measuring Point Description: _____ Well Screen Length: _____

Total Well Depth (btoc) _____ feet Depth to Water (btoc) _____ feet Height of Water Column _____ feet One Well Volume _____ liters

0.155 liters/feet (1-inch well)
 0.347 liters/feet (1.5-inch well)
 0.617 liters/feet (2-inch well)

Time purging began (military): 11:52 3 X One Well Volume 51.38 liters

Time purging ended (military): 13:15 5 X One Well Volume _____ liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
53.68	1,000	12:03	100	13.2	-60	7.22	1.23	1,922	43.4
54.61	2,000	12:08	200	12.8	-63	7.32	1.16	1,919	43.9
56.75	3,900	12:18	200	12.2	-57	7.33	1.40	1,899	42.3
57.57	4,500	12:23	150	12.8	-54	7.32	1.36	1,886	38.6
58.42	5,200	12:28	150	12.7	-52	7.38	1.37	1,874	36.2
39.26	6,000	12:33	150	12.6	-49	7.40	1.40	1,843	28.7
59.74	7,000	12:38	200	12.5	-48	7.45	1.40	1,827	27.5
60.52	7,750	12:43	150	12.4	-45	7.48	1.39	1,796	23.9
61.1	8,500	12:48	150	12.7	-44	7.36	1.39	1,778	21.0
61.52	9,000	12:53	100	12.8	-42	7.42	1.39	1,749	19.1
62.62	9,800	12:58	160	12.7	-41	7.39	1.34	1,752	18.7

Total Vol. Removed: 11.0 Liters (v) Meters Calibrated (v) _____ Min. 3 Well Vol. Purged (v) Parameters Stable for 3 consecutive measurements

Sample Identification	Field Dup.	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-3D	✓	13:15	Jodie Wright, Lakshmi Pillai	Other, 2 x 250 mL Plastic 1, 3 x 40mL VOA	HCl, Nitric Acid, Sulfuric Acid, None	COD, Total Metals, Other, VOC 8260	

Sampling Personnel Signature Date 05-31-2023

MONITORING WELL SAMPLING FORM



Project Name:	Hinesburg Landfill	Comments:
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	MW-3S	Equipment ID / SN
Sample Date	05-31-2023	Pump: 7021
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator: 7454
Sampling Method	Bladder Pump	Water Quality Sonde: 6190
Sampling Personnel	Jodie Wright, Lakshmi Pillai	Turbidity Meter: 7722
Weather	69, sunny	Other: HDPE

Calculate Purge Volumes			
Time of water level measurement (military):	09:25	Depth of Pump/Intake: _____ feet	Measuring Point Description: _____
Total Well Depth (btoc)	_____ feet	Depth to Water (btoc)	_____ feet
	48.37		32.95
Height of Water Column	= 15.42 feet		One Well Volume
			= 9.51 liters
Time purging began (military):	09:45	3 X One Well Volume	28.54 liters
Time purging ended (military):	11:20	5 X One Well Volume	liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
36.2	8,000	10:02		11.3	90	7.03	0.47	1,062	24.3
36.5	10,000	10:07		11.3	90	7.04	0.33	1,069	17.2
36.5	13,000	10:12		11.3	90	7.06	0.22	1,088	14.6
36.1	15,000	10:17		11.8	89	7.07	0.20	1,114	11.5
35.8	21,500	10:31		11.8	86	7.12	0.66	1,103	8.6
34.8	22,500	10:37		14.1	82	7.05	0.23	1,130	26.4
34.3	23,200	10:43		12.1	84	7.10	0.32	1,178	7.3
35.2	25,000	10:48		11.3	84	7.22	0.14	1,107	9.2
35.6	28,000	10:54		11.3	82	7.24	0.13	1,120	5.5
36.4	31,000	11:00		11.4	79	7.27	0.12	1,119	4.9
36.6	33,500	11:05		11.3	76	7.29	0.59	1,130	5.3

Total Vol. Removed: 33.5 Liters (v) Meters Calibrated (v) Min. 3 Well Vol. Purged (v) Parameters Stable for 3 consecutive measurements

Sample Identification	Field Dup.	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-3S		11:20	Jodie Wright, Lakshmi Pillai	1 x 250 mL Plastic, 3 x 40mL VOA, 2 x 250 mL Plastic 2, 1 x 125 mL Plastic, Other	HCl, Nitric Acid, Sulfuric Acid	VOC 8260, PP Metals 6010, COD, Total Metals, PFAS 537.1, Other	

Sampling Personnel Signature Date 05-31-2023

Observation and Remarks

Site Information

Project Name	Hinesburg Landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg
Date	05-30-2023

Personnel On Site

Stone Personnel On Site	Jodie Wright, Katrina Mattice, Lakshmi Pillai
Time On Site	09:20 (-4 GMT)
Time Off Site	18:19 (-4 GMT)

Owner / Sub-Contractor / Visitor On Site

Observation Entry

Weather	50s, high of 77, sunny
Objectives	Groundwater and surface water monitoring

Notes & Photo(s)	
Time	08:45 (-4 GMT)
Notes	Finished packing vehicles and completed AM calibration of instruments.
Photo(s)	
Notes & Photo(s)	
Time	09:21 (-4 GMT)
Notes	JGW on site at Landfill, waiting for KJM and LP.
Photo(s)	
Notes & Photo(s)	
Time	09:33 (-4 GMT)
Notes	KJM and LP on site. Heading to MW-4S for JGW to set up.
Photo(s)	
Notes & Photo(s)	
Time	10:08 (-4 GMT)
Notes	JGW purging at MW-4D. KJM and LMP moved to another well.
Photo(s)	
Notes & Photo(s)	
Time	10:24 (-4 GMT)
Notes	Water from MW – 4D is still turbid, so JGW will wait several more minutes before connecting to YSI.
Photo(s)	
Notes & Photo(s)	
Time	10:37 (-4 GMT)

Observation and Remarks

Notes	Wells will be set up with 3/8" outer diameter HDPE tubing and 1/4" HDPE tubing for the air line. PFAS-free bladders are used with bladder pumps.
Photo(s)	
Notes & Photo(s)	
Time	10:50 (-4 GMT)
Notes	Pump not pulling up water and air line is not building up pressure. Phone call with KJM to troubleshoot; JGW will pull bladder to determine cause.
Photo(s)	
Notes & Photo(s)	
Time	12:45 (-4 GMT)
Notes	JGW has been troubleshooting the bladder pump. Tubing and bladder were removed from the well and checked for leaks. No leaks were observed. The bladder was tested in the bucket of purge water, and no water was being purged. The air line pressure remained at 0 and did not move. JGW called Sean at geotech, who walked her through repairing the compressor.
Photo(s)	
Notes & Photo(s)	
Time	12:48 (-4 GMT)
Notes	Test ran the bladder pump and repaired compressor on the bucket of purge water before lowering back in well MW-4D. The compressor works and air line pressure increases; lowering bladder back into well.
Photo(s)	
Notes & Photo(s)	
Time	12:56 (-4 GMT)
Notes	Ran through one cycle of filling and discharging and the compressor appears to not be working again; air line pressure is not building up.
Photo(s)	
Notes & Photo(s)	
Time	12:58 (-4 GMT)
Notes	Waited longer and compressor started working again.
Photo(s)	
Notes & Photo(s)	
Time	13:02 (-4 GMT)
Notes	Reconnected MW-4D to YSI.
Photo(s)	
Notes & Photo(s)	
Time	13:13 (-4 GMT)
Notes	Water pulling up a lot of air. Depths to water is approximately 77 feet below top of casing. JGW adjusting fill time and discharge time.
Photo(s)	
Notes & Photo(s)	
Time	14:20 (-4 GMT)
Notes	Begin sampling MW-4D. Turbidity was very high still (>1000 NTU), but all parameters were stabilized. KJM approved a sample collection.
Photo(s)	
Notes & Photo(s)	
Time	15:12 (-4 GMT)

Observation and Remarks

Notes	Purging MW-4S.
Photo(s)	
Notes & Photo(s)	
Time	15:49 (-4 GMT)
Notes	KJM off site. JGW still waiting for MW-4S to stabilize, and LMP is waiting for MW-1R to stabilize. The MW-3 couplet will be sampled tomorrow. The two surface water location parameters will be collected today. There are no analytical samples associated with the surface water.
Photo(s)	
Notes & Photo(s)	
Time	16:21 (-4 GMT)
Notes	Phone call from LMP; well MW-1 is running dry and there is only 4 feet of water in the well. JGW tells her to wait for the well to recharge, approximately 15 minutes, and then take a grab sample. All values are in range except for turbidity, which is around 10 NTU.
Photo(s)	
Notes & Photo(s)	
Time	16:25 (-4 GMT)
Notes	JGW samples MW-4S.
Photo(s)	
Notes & Photo(s)	
Time	17:08 (-4 GMT)
Notes	JGW cleaned up MW-4 location, and moving to MW-1 to meet LP.
Photo(s)	
Notes & Photo(s)	
Time	17:45 (-4 GMT)
Notes	Collecting EB-053023.
Photo(s)	
Notes & Photo(s)	
Time	18:05 (-4 GMT)
Notes	SW-1 parameters: Temp: 16.6 C DO: 8.26 mg/l SPC: 228.3 us/cm pH: 8.05 ORP: 32.8 mV Turbidity: 0.02 NTU
Photo(s)	
Notes & Photo(s)	
Time	18:15 (-4 GMT)
Notes	SW-2 parameters: Temp: 17.1 C DO: 8.91 mg/l SPC: 222.7 us/cm pH: 8.01 ORP: 32.6 mV Turbidity: 0.02 NTU
Photo(s)	
Notes & Photo(s)	

Observation and Remarks

Time	18:23 (-4 GMT)
Notes	JGW and LMP off site after closing gate on observatory road. All purge water discharged near well of generation.
Photo(s)	
Notes & Photo(s)	
Time	19:30 (-4 GMT)
Notes	End of day calibration of field instruments at the shop.
Photo(s)	

Signature

Signature

Date

05-30-2023

Observation and Remarks

Site Information

Project Name	Hinesburg Landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg
Date	05-31-2023

Personnel On Site

Stone Personnel On Site	Jodie Wright, Lakshmi Pillai
Time On Site	08:40 (-4 GMT)
Time Off Site	17:20 (-4 GMT)

Owner / Sub-Contractor / Visitor On Site

Observation Entry

Weather	65, sunny, high of 85
Objectives	Finish groundwater monitoring and POET supply sampling

Notes & Photo(s)

Time	08:43 (-4 GMT)
Notes	JGW and LMP on site. Beginning field calibration of instruments. The two remaining monitoring wells will be completed before staff move to POET supply sampling.
Photo(s)	
Notes & Photo(s)	
Time	09:52 (-4 GMT)
Notes	An active hornet nest was discovered in well MW-3D. JGW helps LMP set up and begin low flow procedures at MW-3S and then will go to hardware store to buy wasp killer. Bladder pump set up with 1/4" and 3/8" HDPE tubing.
Photo(s)	
Notes & Photo(s)	
Time	10:27 (-4 GMT)
Notes	Black Flag wasp and hornet killer purchased.

Observation and Remarks



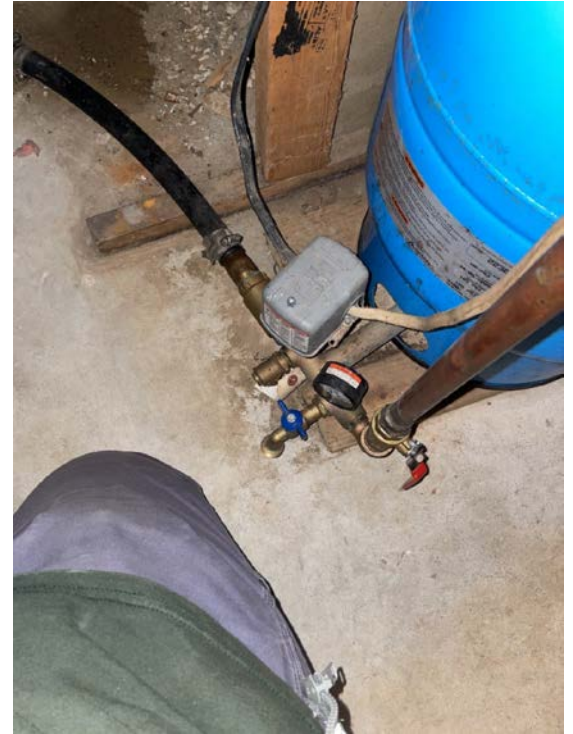
Notes & Photo(s)	
Time	10:47 (-4 GMT)
Notes	Compressor/pump rental 7381 is broken; fill time does not adjust and water was not being purged. It will temporarily work if you turn it on and off. Switched out the pump to use 5888. Can only purge one well at a time.
Photo(s)	
Notes & Photo(s)	

Observation and Remarks

Time	11:29 (-4 GMT)
Notes	Finished at MW-3S and waited to sample before spraying the wasp nest in MW-3D. Waited 5 minutes to ensure wasp nest is cleared out/killed before setting up.
Photo(s)	
Notes & Photo(s)	
Time	12:32 (-4 GMT)
Notes	All parameters in MW-3D are within range after the first 5 readings. However, most parameters are still changing slowly, so JGW will continue with low flow procedures until they have stabilized.
Photo(s)	
Notes & Photo(s)	
Time	13:12 (-4 GMT)
Notes	Bladder stuck in MW-3S at approximately 45 feet btoc. Had to try many different angles but eventually got the bladder unstuck.
Photo(s)	
Notes & Photo(s)	
Time	14:11 (-4 GMT)
Notes	Finished sampling and collected field duplicate at MW-3D. Cleaned up area and headed to town garage to sample POET system.
Photo(s)	
Notes & Photo(s)	
Time	14:25 (-4 GMT)
Notes	Highway garage closed, nobody answered the door, and nobody picked up the phone. Leaving garage and heading to 152 Forest Edge Road (Turner Residence).
Photo(s)	
Notes & Photo(s)	
Time	14:34 (-4 GMT)
Notes	Sink turned on at 152 forest edge road. There appear to be 3 effluent locations on POET system, so JGW is contacting KJM to confirm sample location. KJM confirms it is the final effluent location to be sampled, after all steps of treatment.
Photo(s)	
Notes & Photo(s)	
Time	15:15 (-4 GMT)
Notes	At 56 Forest Edge road and turned on sink. Will collect a field duplicate at this location. The POET system is below the stairs and it is a tight fit. The influent location does not have tubing; it is a Spotify approx. 2 inches off the basement floor. Sample will be collected in a second container and poured into sample bottles, as the jars will not fit under the spigot.

Observation and Remarks

Photo(s)



Notes & Photo(s)

Time

16:07 (-4 GMT)


Notes

Gate at highway garage is closed and locked. Moving on to 685 Beecher Hill Road.

Photo(s)

Notes & Photo(s)

Observation and Remarks

Time	16:52 (-4 GMT)
Notes	Finished at 685 Beecher Hill Road. Sampled the effluent from the spigot after the UV treatment.
Photo(s)	
Notes & Photo(s)	
Time	16:59 (-4 GMT)
Notes	At 455 North Road. Letting outdoor spigot run for 10 minutes before collecting a sample.
Photo(s)	
Notes & Photo(s)	
Time	17:19 (-4 GMT)
Notes	Finished sampling at 455 North Road. Off site.
Photo(s)	
Notes & Photo(s)	
Time	18:23 (-4 GMT)
Notes	Finished end of day cal of YSI and turbidity meter. All samples in fridge.
Photo(s)	

Signature

Signature



Observation and Remarks

Date

05-31-2023

Observation and Remarks

Site Information

Project Name	Hinesburg Landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg
Date	06-01-2023

Personnel On Site

Stone Personnel On Site	Jodie Wright
Time On Site	08:45 (-4 GMT)
Time Off Site	11:05 (-4 GMT)

Owner / Sub-Contractor / Visitor On Site

Observation Entry

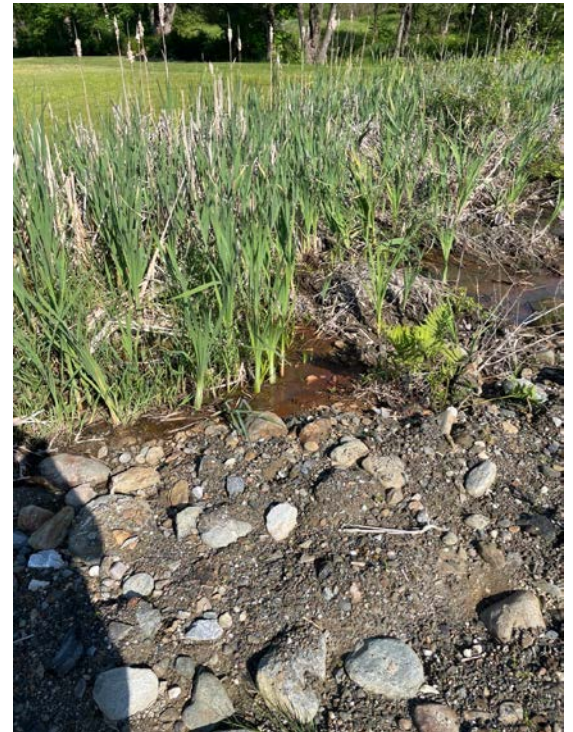
Weather	70s, sunny
Objectives	POET sampling at highway garage

Notes & Photo(s)

Time 08:45 (-4 GMT)

Notes Took photos of standing water near cattail/wetland area at 455 North road.

Photo(s)



Observation and Remarks



Notes & Photo(s)

Time

09:10 (-4 GMT)

Notes

At 907 Beecher Hill Road (Highway Garage). Doors are open, but the water boiler room with the POET system is locked. JGW called the highway garage and paged them; someone will come in 15-20 minutes to unlock the door.

Photo(s)

Notes & Photo(s)

Observation and Remarks

Time	09:24 (-4 GMT)
Notes	JGW finished writing labels. Moving bottle ware inside and will continue to wait for highway garage staff to open door.
Photo(s)	
Notes & Photo(s)	
Time	09:25 (-4 GMT)
Notes	Turned on water in garage at utility sink.
Photo(s)	
Notes & Photo(s)	
Time	10:25 (-4 GMT)
Notes	Stopping to buy ice before bringing the 3 coolers to Eurofins south Burlington. JGW will relinquish the chain to Eurofins so they can ship samples to the Rhode Island laboratory.
Photo(s)	
Notes & Photo(s)	
Time	11:01 (-4 GMT)
Notes	Samples relinquished to Eurofins. JGW off site.
Photo(s)	

Signature

Signature
Date



06-01-2023

OBSERVATIONS AND REMARKS

Project Name/Description: Thuesburg LF	STONE ENVIRONMENTAL <small>535 Stone Cutters Way / Montpelier / VT / 05602 / USA 802.229.4541 / info@stone-env.com / www.stone-env.com</small>
SEI Project #: 00211205	Client/Sponsor: Town of Thuesburg

0940 arrive onsite
 0955 collect sample 182 Forest Edge
 1028 collect sample 714 Beecher Hill
 1048 collect sample 206 Forest Edge
 NOTE: well aerator turned off
 30 min prior to sampling
 1140 collect sample 794 Beecher Hill
 1208 collect sample 413 North Rd
 1246 collect sample 490 North Rd

 Linda parent indicated 413 N. Rd was
 sample for PFAS in Feb 2023 will share
 data.
 1300 go to Eurofins S. Burlington, drop
 off samples.
 1330 OFFSITE

Signed: K Mattier Date: 6/14/23
 Page: 1 of 1

SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg LF
 SEI Project Number: 20211205
 Client: Town of Hinesburg
 Project Manager: KJM

Location ID: 182 Forest Edge Rd
 Sample Date: 6/14/23
 Property Contact Name, Address and Phone Number: Bob Mello & Priscilla Reidinger
 Water Supply Type (bedrock, shallow well, spring, etc.): Bedrock
 Well Location and GPS Coordinates: collected in April
 Septic Location and GPS Coordinates: "
 Water Treatment (softener, filter, etc.): Softener
 Sample Location (Pressure Tank, Outside Spigot, etc.): pressure tank
 SOP/SSP #'s Followed: SOPs SEI-5.57.1 SEI Equipment ID
 Sampling Method: grab Turbidimeter
 Sampling Personnel: KJM Water Quality Sonde SN
 Weather: P. Sunny | 70°F

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
<u>N/A</u>								

Total Purge Time: 10 Minutes (v) Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
<u>182 Forest Edge</u>	<u>0955</u>	<u>2x250</u>	<u>KJM</u>	<u>PFAS 537.1</u>	
<u>↓</u>	<u>↓</u>	<u>3x40</u>	<u>↓</u>	<u>VOC 524.2</u>	

Sample Area Inventory/Use:
Boiler, softener

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature K Mutha Date 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF		
SEI Project Number:	00211205		
Client:	Town of Hinesburg		
Project Manager:	KSM		
Location ID	714 Beecher Hill Rd		
Sample Date	6/14/23		
Property Contact Name, Address and Phone Number	Laura Wisniewski		
Water Supply Type (bedrock, shallow well, spring, etc.)	Bedrock		
Well Location and GPS Coordinates	collected in April		
Septic Location and GPS Coordinates	11		
Water Treatment (softener, filter, etc.)	Carbon Filter under kitchen sink		
Sample Location (Pressure Tank, Outside Spigot, etc.)	outdoor spigot (NOT treated)		
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID	
Sampling Method	grab	Turbidimeter	
Sampling Personnel	KSM	Water Quality Sonde SN	
Weather	P. Sunny 170°F		

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
NA	—————							

Total Purge Time: 10 Minutes (✓) Meters Calibrated (✓)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
714 Beecher Hill ↓	1028 ↓	2x250 3x40	KSM KSM	ppH 537.1 VOCs 524.2	

Sample Area Inventory/Use:
outdoors, no storage

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature K. Matha Date 6/14/23



SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg LF
 SEI Project Number: 20211205
 Client: Town of Hinesburg
 Project Manager: KJM

Location ID: 206 Forest Edge Rd
 Sample Date: 6/14/23
 Property Contact Name, Address and Phone Number: Terry & Janet Francis
 Water Supply Type (bedrock, shallow well, spring, etc.): Bedrock
 Well Location and GPS Coordinates: collected in April
 Septic Location and GPS Coordinates: ||
 Water Treatment (softener, filter, etc.): softener / aerator in well / no pressure tank, turned aerator off 30 min prior to sampling
 Sample Location (Pressure Tank, Outside Spigot, etc.): pressure tank, turned aerator off 30 min prior to sampling
 SOP/SSP #'s Followed: SOPs SEI-5.57.1 SEI Equipment ID:
 Sampling Method: grab Turbidimeter:
 Sampling Personnel: KJM Water Quality Sonde SN:
 Weather: p. sunny 70°F

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
<u>NA</u>								

Total Purge Time: ___ Minutes (v) ___ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
<u>206 Forest Edge</u>	<u>1048</u>	<u>2 x 250</u>	<u>KJM</u>	<u>PPAB 537.1</u>	<u>collected field duplicate</u>
<u>↓</u>	<u>↓</u>	<u>3 x 40</u>	<u>KJM</u>	<u>WCL 524.2</u>	

206 Forest Edge - FK

Sample Area Inventory/Use:

sump pump, radon system, softener

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature: K Maltice Date: 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF		
SEI Project Number:	20211205		
Client:	Town of Hinesburg		
Project Manager:	KJM		
<hr/>			
Location ID	794 Beecher Hill Rd		
Sample Date	6/14/23		
Property Contact Name, Address and Phone Number	Tyler Eastman & Jessica Godfrey		
Water Supply Type (bedrock, shallow well, spring, etc..)	Bedrock		
Well Location and GPS Coordinates	Collected in April		
Septic Location and GPS Coordinates	Collected in April		
Water Treatment (softener, filter, etc..)	Softener		
Sample Location (Pressure Tank, Outside Spigot, etc..)	Pressure tank		
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID	
Sampling Method	Grab	Turbidimeter	
Sampling Personnel	KJM	Water Quality Sonde SN	
Weather	P. Sunny 170°F		

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
NA								

Total Purge Time: 10 Minutes (v) Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
794 Beecher Hill	1140	2x250	KJM	PCAS 537.1	
↓	↓	3x40	KJM	VOL 524.2	

Sample Area Inventory/Use:

softener, Tesla Battery

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature Ki Muttice Date 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF		
SEI Project Number:	00211203		
Client:	Town of Hinesburg		
Project Manager:	KJM		
Location ID	413 North Rd		
Sample Date	6/14/23		
Property Contact Name, Address and Phone Number	Tim & Linda Parent		
Water Supply Type (bedrock, shallow well, spring, etc.)	Bedrock		
Well Location and GPS Coordinates	collected in March		
Septic Location and GPS Coordinates	collected in March		
Water Treatment (softener, filter, etc.)	no treatment		
Sample Location (Pressure Tank, Outside Spigot, etc.)	pressure tank		
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID	
Sampling Method	Hand	Turbidimeter	
Sampling Personnel	KJM	Water Quality Sonde SN	
Weather	P. sunny / 70°F		

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
NA								

Total Purge Time: 10 Minutes (v) Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
413 North Rd	1208	2x250	KJM	PCAS 537.1	collected FRB
↓	↓	3x40	KJM	VCS 524.2	

413 North Rd - FRB

Sample Area Inventory/Use:
 Paint, stains, Laundry detergent

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature K. M. Wallace Date 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF	
SEI Project Number:	20211205 J	
Client:	Town of Hinesburg	
Project Manager:	KJM	
Location ID	490 North Rd	
Sample Date	6/14/23	
Property Contact Name, Address and Phone Number	Krista Willet	
Water Supply Type (bedrock, shallow well, spring, etc.)	Spring	
Well Location and GPS Coordinates	collected in March	
Septic Location and GPS Coordinates	collected in March	
Water Treatment (softener, filter, etc..)	No treatment	
Sample Location (Pressure Tank, Outside Spigot, etc..)	Kitchen sink, remove aerator	
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID
Sampling Method	grab	Turbidimeter
Sampling Personnel	KJM	Water Quality Sonde SN
Weather	P. sunny 70°F	

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
nm								

Total Purge Time: _____ Minutes (v) _____ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
490 North Rd	1246	2 x 250	KJM	PFAS 531.1	
490 North Rd	↓	3 x 40	KJM	VOC 524.2	

Sample Area Inventory/Use:

Kitchen - dish soap

Site Sketch Showing General Location of Supply Well, House, Septic, Road

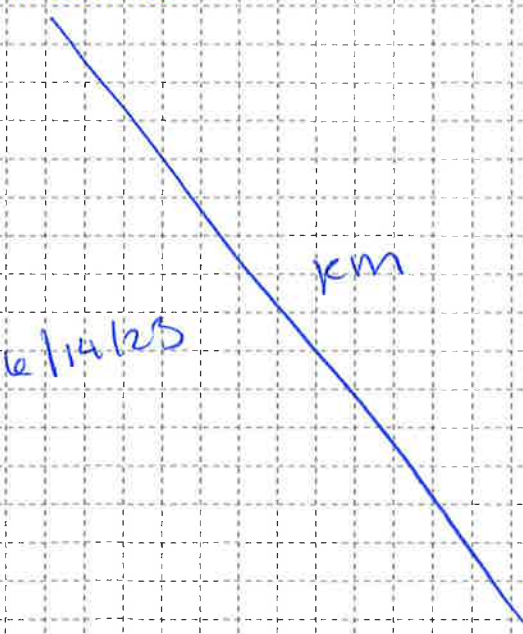
 Sampling Personnel Signature K. Mattice Date 6/14/23

Client Information Ms. Katrina Mattice Stone Environmental 535 Stone Cutters Way Montpelier VT, 05602 Phone: 802-229-6434(Tel) Email: kmattice@stone-env.com Project Name: Town of Hinesburg Landfill - 20211205 Site:		Lab PM: Huntley, Agnes R E-Mail: Agnes.Huntley@et.eurofinsus.com Carrier Tracking No(s): State of Origin: VT Job #:		COC No: 620-10701-1428.1 Page: Page 1 of 4	
Due Date Requested: TAT Requested (days): 15 days Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 20211205 WO #: 20211205 Project #: 62000809 SSO#:		Analysis Requested			
Sample Identification Sample Date: 7023 Sample Time: 0955 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, O=soil, BT=Trace, A=Air): Drinking Water		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 S - H2SO4 G - Amchlor H - Ascorbic Acid T - TSP Dodecahydrate U - Acetone I - Ice J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:			
182 Forest Edge 714 Beecher Hill 206 Forest Edge 206 Forest Edge-FP 794 Beecher Hill 413 North Rd 413 North Rd - FRB Trip Blank		Special Instructions/Note: Total Number of Containers:			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) 11		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months			
Empty Kit Relinquished by: Katrina Mattice Relinquished by:		Special Instructions/QC Requirements: Equis 67-EDD Method of Shipment:			
Date/Time: 6/14/23 0955 Date/Time:		Date/Time: 6/14/23 1330 Date/Time:			
Date/Time:		Date/Time:			
Date/Time:		Date/Time:			
Custody Seal No.: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks:			

OBSERVATIONS AND REMARKS

Project Name/Description: <u>Thnesburg VT</u>	 STONE ENVIRONMENTAL 535 Stone Cutters Way / Montpelier / VT / 05602 / USA 802.229.4541 / info@stone-env.com / www.stone-env.com
SEI Project #: <u>0071205</u>	Client/Sponsor: <u>Town of Thnesburg</u>

0940 arrive onsite
0955 collect sample 182 Forest Edge
1028 collect sample 714 Beecher Hill
1048 collect sample 206 Forest Edge
NOTE: well aerator turned off
30 min prior to sampling
1140 collect sample 794 Beecher Hill
1208 collect sample 413 North Rd
1246 collect sample 490 North Rd
Linda parent indicated 413 N. Rd was
sample for PFAS in Feb 2023 will share
data.
1300 go to Eurofins S. Burlington, drop
off samples.
1330 OFFSITE



6/14/23
1 km

Signed: K. Matier Date: 6/14/23
Page: 1 of 1

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF	
SEI Project Number:	20211205	
Client:	Town of Hinesburg	
Project Manager:	KJM	
Location ID	182 Forest Edge Rd	
Sample Date	6/14/23	
Property Contact Name, Address and Phone Number	Bob Mello & Priscilla Reindinger	
Water Supply Type (bedrock, shallow well, spring, etc.)	Bedrock	
Well Location and GPS Coordinates	collected in April	
Septic Location and GPS Coordinates	"	
Water Treatment (softener, filter, etc.)	Softener	
Sample Location (Pressure Tank, Outside Spigot, etc.)	pressure tank	
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID
Sampling Method	grab	Turbidimeter
Sampling Personnel	KJM	Water Quality Sonde SN
Weather:	P. Sunny 70°F	

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
K/A	_____							

Total Purge Time: 10 Minutes (v) Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
182 Forest Edge ↓	0955 ↓	2x250 3x40	KJM ↓	PFAS 537.1 VOC 524.2	

Sample Area Inventory/Use:
Boiler, softener

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature K Mello Date 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF	
SEI Project Number:	00211205	
Client:	Town of Hinesburg	
Project Manager:	KSM	
Location ID	714 Beecher Hill Rd	
Sample Date	6/14/23	
Property Contact Name, Address and Phone Number	Laura Wisniewski	
Water Supply Type (bedrock, shallow well, spring, etc.)	Bedrock	
Well Location and GPS Coordinates	collected in April	
Septic Location and GPS Coordinates	11	
Water Treatment (softener, filter, etc.)	Carbon Filter under kitchen sink	
Sample Location (Pressure Tank, Outside Spigot, etc.)	outdoor spigot (NOT treated)	
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID
Sampling Method	grab	Turbidimeter
Sampling Personnel	KSM	Water Quality Sonde SN
Weather	P. Sunny 170°F	

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
NA	—————							

Total Purge Time: 10 Minutes (v) Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
714 Beecher Hill	1028	2x250	KSM	PPHAs 537.1	
↓	↓	3x40	KSM	VOCs 524.2	

Sample Area Inventory/Use:
 outdoors, no storage

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature K. Menth Date 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name: Hinesburg LF
 SEI Project Number: 20211205
 Client: Town of Hinesburg
 Project Manager: KSM

Location ID: 206 Forest Edge Rd
 Sample Date: 6/14/23
 Property Contact Name, Address and Phone Number: Terry & Janet Francis
 Water Supply Type (bedrock, shallow well, spring, etc.): Bedrock
 Well Location and GPS Coordinates: collected in April
 Septic Location and GPS Coordinates: ||
 Water Treatment (softener, filter, etc.): softener/aerator in well / no pressure tank, turned aerator off 30 min prior to sampling
 Sample Location (Pressure Tank, Outside Spigot, etc.): pressure tank, turned aerator off 30 min prior to sampling
 SOP/SSP #'s Followed: SOPs SEI-5.57.1 SEI Equipment ID
 Sampling Method: grab Turbidimeter
 Sampling Personnel: KSM Water Quality Sonde SN
 Weather: P. Sunny 70°F

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
<u>NA</u>	<hr/>							

Total Purge Time: _____ Minutes (v) _____ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
<u>206 Forest Edge</u>	<u>1048</u>	<u>2 x 250</u>	<u>KSM</u>	<u>PFAS 537.1</u>	<u>collected field duplicate</u>
<u>↓</u>	<u>↓</u>	<u>3 x 40</u>	<u>KSM</u>	<u>Vol 524.2</u>	
					<u>206 Forest Edge - FK</u>

Sample Area Inventory/Use:

sump pump, radon system, softener

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature

K metlice

Date

6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF		
SEI Project Number:	20211205		
Client:	Town of Hinesburg		
Project Manager:	KJM		
<hr/>			
Location ID	794 Beecher Hill Rd		
Sample Date	6/14/23		
Property Contact Name, Address and Phone Number	Tyler Eastman & Jessica Godfrey		
Water Supply Type (bedrock, shallow well, spring, etc.)	Bedrock		
Well Location and GPS Coordinates	collected in April		
Septic Location and GPS Coordinates	collected in April		
Water Treatment (softener, filter, etc.)	Softener		
Sample Location (Pressure Tank, Outside Spigot, etc.)	pressure tank		
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID	
Sampling Method	grab	Turbidimeter	
Sampling Personnel	KJM	Water Quality Sonde SN	
Weather	P. Sunny 170°F		

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
NA								

Total Purge Time: 10 Minutes (v) Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (ml)	Sampled By (Initials)	Analysis	Comments:
794 Beecher Hill	1140	2x250	KJM	PPM 537.1	
↓	↓	3x40	KJM	VOL 524.2	

Sample Area Inventory/Use:

softener, Tesla Battery

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature Ki Matthea Date 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF	
SEI Project Number:	80211203	
Client:	Town of Hinesburg	
Project Manager:	KJM	
Location ID	413 North Rd	
Sample Date	6/14/23	
Property Contact Name, Address and Phone Number	Tim & Linda Parent	
Water Supply Type (bedrock, shallow well, spring, etc.)	Bedrock	
Well Location and GPS Coordinates	collected in March	
Septic Location and GPS Coordinates	collected in March	
Water Treatment (softener, filter, etc.)	no treatment	
Sample Location (Pressure Tank, Outside Spigot, etc.)	pressure tank	
SOP/SSP #'s Followed	SOPs SEI-5.7.1	SEI Equipment ID
Sampling Method	Grab	Turbidimeter
Sampling Personnel	KJM	Water Quality Sonde SN
Weather:	P. sunny / 70°F	

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
NA								

Total Purge Time: 10 Minutes (v) Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
413 North Rd	1208	2x250	KJM	PCAS 537.1	collected FRB
↓	↓	3x40	KJM	VOCs 324.2	
					413 North Rd - FRB

Sample Area Inventory/Use:
 Paint, Stains, Laundry detergent

Site Sketch Showing General Location of Supply Well, House, Septic, Road

Sampling Personnel Signature K. Kovatche Date 6/14/23

SUPPLY WELL SAMPLING FORM

Project Name:	Hinesburg LF	
SEI Project Number:	20211205 J	
Client:	Town of Hinesburg	
Project Manager:	KJM	
Location ID	490 North Rd	
Sample Date	6/14/23	
Property Contact Name, Address and Phone Number	Krista Willet	
Water Supply Type (bedrock, shallow well, spring, etc.)	Spring	
Well Location and GPS Coordinates	collected in March	
Septic Location and GPS Coordinates	collected in March	
Water Treatment (softener, filter, etc...)	No treatment	
Sample Location (Pressure Tank, Outside Spigot, etc.)	Kitchen Sink, remove aerator	
SOP/SSP #'s Followed	SOPs SEI-5.57.1	SEI Equipment ID
Sampling Method	grab	Turbidimeter
Sampling Personnel	KJM	Water Quality Sonde SN
Weather	P. sunny / 70°F	

Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C)	ORP (mV) (+/- 10 mV)	pH (su) (+/- 0.1 su)	DO (mg/L) (+/- 10%)	Conductivity (µS) (+/- 3%)	Turbidity (NTU)
NR								

Total Purge Time: _____ Minutes (v) _____ Meters Calibrated (v)

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
490 North Rd	1246	2 x 250	KJM	PPA8 537.1	
490 North Rd	↓	3 x 40	KJM	VOC 524.2	

Sample Area Inventory/Use:

Kitchen - dish soap

Site Sketch Showing General Location of Supply Well, House, Septic, Road

 Sampling Personnel Signature K. Mattice Date 6/14/23

Well ID	Property Contact	Street Address	Town & Zip Code	Email Address	Phone Number	Sampling Date	Notes
490 North Rd	Krista Willet	490 North Road	Hinesburg, VT 05461	kristawillet59@gmail.com	802-738-9117 (cell) (802)482-3364 802-482-3824 or 802-338-1970	6/14/2023 12pm	water source is capped spring, sample from kitchen sink
182 Forest Edge Rd	Robert Mello and Priscilla Reich	182 Forest Edge Road	Hinesburg, VT 05461	preidinger@rmavt.net, aforrestedje@rmavt.net	802-461-7002 Tim Parent 802-343-7602 Linda Parent 802-735-5265	6/14/2023 9:30am	water softener in basement, collect from pressure tank water treatment system in basement currently not operating, can access basement to sample before system
794 Beecher Hill Rd	Tyler Eastman and Jessica Goble	794 Beecher Hill Road	Hinesburg, VT 05461	tyeastman05@gmail.com tlbyparent13@gmail.com, 'jeff' sjeff@parentconstructionvt.com		6/14/2023 11am	
413 North Rd	Timothy and Linda Parent	413 North Road	Hinesburg, VT 05461	francis@rmavt.net		6/14/2023 11:30am	no water treatment, kitchen sink water softener in basement, RO system and filter for arsenic (RO tap at kitchen sink), outdoor spigots also treated, collect from pressure tank
206 Forest Edge Rd	Terry and Janet Francis	206 Forest Edge Road	Hinesburg, VT 05461	bhv@beecherhillvoase.com	802-343-7501	6/14/2023 10am	Carbon and coconut filters are under the kitchen faucet, no treatment at outdoor spigot
714 Beecher Hill Rd	Laura Wisniewski	714 Beecher Hill Road	Hinesburg, VT 05461		802-318-5403	6/14/2023 1030am	

water softener

Chain of Custody Record

Client Information Client Contact: Ms. Katrina Mattice Company: Stone Environmental Address: 535 Stone Cutters Way City: Montpelier State: VT Zip: 05602 Phone: 802-229-6434 (Tel) Email: kmattice@stone-env.com Project Name: Town of Hinesburg Landfill - 20211205 Site:		Sampler: Katrina Mattice Lab PM: Huntley, Agnes R State of Origin: VT Carrier Tracking No(s): Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): 15 days Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 20211205 WO #: 20211205 Project #: 62000809 SSOW#:		Analysis Requested 524.2 Preserved - (MOD) Regulated + THMs 524.2 Preserved - Regulated + THMs 537.1 DW - DW EPA 537.1 List of 18 Total Number of Containers:	
Sample Identification		Preservation Codes: 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 X - Trizma Y - Trizma Z - other (specify) Other:	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Swab, On-surface, etc.)
2023			Preservative required
6/14	0955	G	Drinking Water
6/14	1028	G	Drinking Water
6/14	1048	G	Drinking Water
6/14	1048	G	Drinking Water
6/14	1140	G	Drinking Water
6/14	1208	G	Drinking Water
6/14	1206	G	Drinking Water
6/14	0800	G	Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water
			Drinking Water

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) 11

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: Katrina Mattice
 Date/Time: 6/14/23 2035
 Company: Stone

Relinquished by: _____
 Date/Time: _____
 Company: _____

Relinquished by: _____
 Date/Time: _____
 Company: _____

Custody Seal Intact:
 Yes No

Custody Seal No.: _____

Special Instructions/Note: _____

Special Instructions/QC Requirements: Equis G7 EDD

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Received by: _____
 Date/Time: 6/14/23 1330
 Company: EPARBUC

Received by: _____
 Date/Time: _____
 Company: _____

Received by: _____
 Date/Time: _____
 Company: _____

Cooler Temperature(s) °C and Other Remarks: _____

Method of Shipment: _____

Observation and Remarks

Site Information

Project Name	Hinesburg LF
Project Number	20211205
Project Manager	Katrina Mattice
Location	152 Forest Edge, Hinesburg, VT
Date	07-13-2023

Personnel On Site

Stone Personnel On Site	Katrina Mattice, Lakshmi Pillai
Time On Site	10:50 (-4 GMT)
Time Off Site	11:10 (-4 GMT)

Owner / Sub-Contractor / Visitor On Site

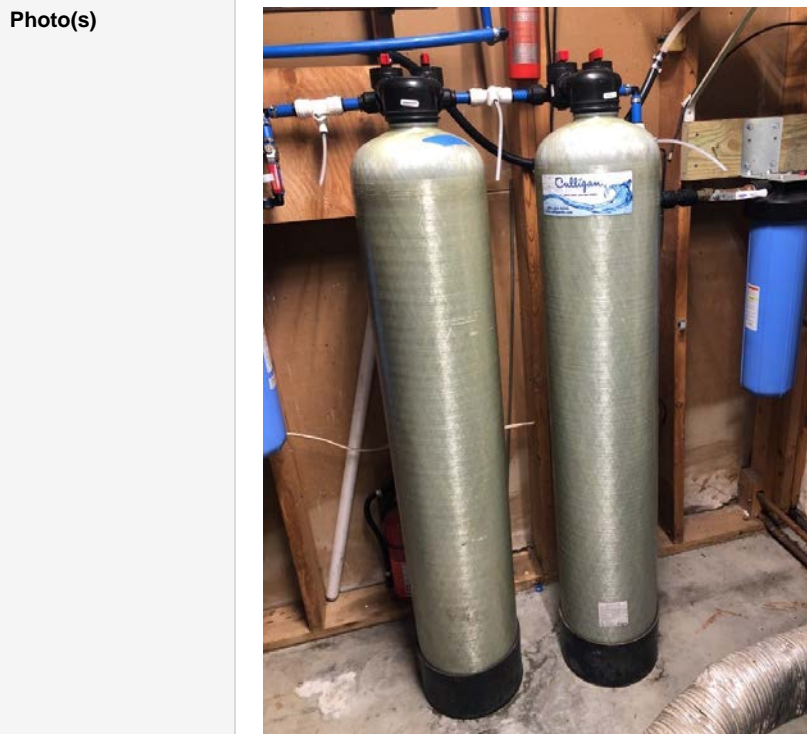
Observation Entry

Weather	Cloudy/ 70 deg F
Objectives	Collect effluent sample

Notes & Photo(s)

Time 10:54 (-4 GMT)

Notes Culligan changed both carbon tanks on 7/6/23



Notes & Photo(s)

Time 11:00 (-4 GMT)

Observation and Remarks

Notes	Purge water for 10 minutes 1100 collect 152 Forest Edge-EFF
Photo(s)	

Signature

Signature
Date



07-13-2023

Appendix C: Tables

Table C-1
January 2023 Drinking Water PFAS Sample Analytical Results

Sample ID	Sample Date	CAS#	VT DOH Drinking Water Health Advisory	56 Forest Edge-EFF		56 Forest Edge-INF		56 Forest Edge-INF-FD		56 Forest Edge-MID		685 Beecher Hill-EFF		FRB-012723		RPD
				1/27/2023	Q	1/27/2023	Q	1/27/2023	Q	1/27/2023	Q	1/27/2023	Q	1/27/2023	Q	
PFAS			(ng/l)													
NEtFOSAA	2991-50-6		NE	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
NMeFOSAA	2355-31-9		NE	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
Perfluorobutanesulfonic acid	375-73-5		NE	1.82 U		1.93		1.97		1.89 U		1.82 U		3.5 U		2%
Perfluorodecanoic acid	335-76-2		NE	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
Perfluorododecanoic acid	307-55-1		NE	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
Perfluoroheptanoic acid (PFHpA)	375-85-9		20	1.82 U		2.92		3.15		1.89 U		1.82 U		3.5 U		8%
Perfluorohexanesulfonic acid (PFHxS)	355-46-4		20	1.82 U		1.9 U		1.81		1.89 U		1.82 U		3.5 U		-
Perfluorohexanoic acid	307-24-4		NE	1.82 U		2.38		2.2		1.89 U		1.82 U		3.5 U		8%
Perfluorononanoic acid (PFNA)	375-95-1		20	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
Perfluorooctanesulfonic acid (PFOS)	1763-23-1		20	1.82 U		3.81		3.94		1.89 U		1.82 U		2.27		3%
Perfluorooctanoic acid (PFOA)	335-67-1		20	1.82 U		12.8		12.8		1.89 U		1.82 U		3.5 U		0%
Perfluorotetradecanoic acid	376-06-7		NE	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
Perfluorotridecanoic acid	72629-94-8		NE	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
Perfluoroundecanoic acid	2058-94-8		NE	1.82 U		1.9 U		1.7 U		1.89 U		1.82 U		3.5 U		-
Total PFAS	Total PFAs		20	1.82 U		19.53		21.7		1.89 U		1.82 U		2.27		11%

Key:
 VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, May 2019
 ng/L - nanograms per liter (parts per trillion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-2
 March 2023 Drinking Water PFAS Sample Analytical Results

Sample ID	CAS#	VGES/DWHA	182 Forest Edge Rd		413 North Rd		490 North Rd		490 North Rd-FRB		794 Beecher Hill Rd	
Sample Date			3/21/2023	Q	3/21/2023	Q	3/21/2023	Q	3/21/2023	Q	3/21/2023	Q
		(ng/l)										
NEtFOSAA	2991-50-6	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
NMeFOSAA	2355-31-9	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorobutanesulfonic acid	375-73-5	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorodecanoic acid	335-76-2	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorododecanoic acid	307-55-1	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorohexanoic acid	307-24-4	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorononanoic acid (PFNA)	375-95-1	20	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorooctanoic acid (PFOA)	335-67-1	20	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorotetradecanoic acid	376-06-7	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluorotridecanoic acid	72629-94-8	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Perfluoroundecanoic acid	2058-94-8	NE	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U
Total PFAs		20	1.78	U	1.67	U	1.87	U	1.97	U	1.71	U

Key:
 VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018
 Total Health Advisory PFAS - Cumulative sum of PFOA, PFOS, PFHxS, PFHpA, and PFNA
 ng/L - nanograms per liter (parts per trillion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 NE - screening level not established

Table C-3
March 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID Sample Date	VGES/DWHA (µg/l)	182 Forest Edge Rd 3/21/2023		413 North Rd 3/21/2023		490 North Rd 3/21/2023		490 North Rd-FD 3/21/2023		794 Beecher Hill Rd 3/21/2023		TB-032123 3/21/2023		RPD %
		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q		
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,1-Trichloroethane	71-55-6	200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,2-Trichloroethane	79-00-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloroethane	75-34-3	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloroethene	75-35-4	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloropropene	563-58-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-
1,2-Dibromoethane	106-93-4	0.05	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichlorobenzene	95-50-1	600	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichloroethane	107-06-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichloropropane	78-87-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3-Dichlorobenzene	541-73-1	600	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3-Dichloropropane	142-28-9	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,4-Dichlorobenzene	106-46-7	75	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
2,2-Dichloropropane	594-20-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
2-Butanone	78-93-3	511	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-
2-Chlorotoluene	95-49-8	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
2-Hexanone	591-78-6	NE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-
4-Chlorotoluene	106-43-4	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
4-Methyl-2-pentanone	108-10-1	NE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	-
Acetone	67-64-1	950	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	-
Acrylonitrile	107-13-1	NE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	-
Benzene	71-43-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromobenzene	108-86-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromochloromethane	74-97-5	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	-
Bromodichloromethane	75-27-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromoform	75-25-2	NE	0.5 U	0.5 U	0.5 U	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	74-83-9	5	0.5 U	0.5 U	0.5 U	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	75-15-0	NE	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	-
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Chlorobenzene	108-90-7	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Chloroethane	75-00-3	NE	0.5 U	0.5 U	0.5 U	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	67-66-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Chloromethane	74-87-3	NE	0.5 U	0.5 U	0.5 U	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-Dichloroethene	156-59-2	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Dibromochloromethane	124-48-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Dibromomethane	74-95-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Dichlorodifluoromethane	75-71-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
di-Isopropyl ether	108-20-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethyl ether	60-29-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethyl t-butyl ether	637-92-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-

Key:
 VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-3
 March 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES/DWHA	182 Forest Edge Rd	413 North Rd	490 North Rd	490 North Rd-FD	794 Beecher Hill Rd	TB-032123	RPD
Sample Date	(µg/l)	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	3/21/2023	%
		Q	Q	Q	Q	Q	Q	
Ethylbenzene	100-41-4	700	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Freon 113	76-13-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Hexachlorobutadiene	87-68-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Isopropylbenzene	98-82-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
m&p-Xylene	179601-23-1	NE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-
Methyl tertiary butyl ether	1634-04-4	11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Methylene Chloride	75-09-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Naphthalene	91-20-3	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
n-Butylbenzene	104-51-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
N-Propylbenzene	103-65-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
o-Xylene	95-47-6	10000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
p-Isopropyltoluene	99-87-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
sec-Butylbenzene	135-98-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Styrene	100-42-5	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
t-Amyl methyl ether	994-05-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
t-Butyl alcohol	75-65-0	NE	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	-
tert-Butylbenzene	98-06-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Tetrachloroethene	127-18-4	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Tetrahydrofuran	109-99-9	NE	7.0 U	7.0 U	7.0 U	7.0 U	7.0 U	-
Toluene	108-88-3	1000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Total Trimethylbenzene	25551-13-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Total Xylene	1330-20-7	10000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
trans-1,2-Dichloroethene	156-60-5	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Trichloroethene	79-01-6	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Trichlorofluoromethane	75-69-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Vinyl chloride	75-01-4	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-

Key:
 VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-4
April 2023 Drinking Water PFAS Sample Analytical Results

Sample ID	CAS#	VGES/DWHA	206 Forest Edge		455 North		455 North-FD		455 North-FRB		714 Beecher Hill		RPD (%)
Sample Date			4/5/2023	Q	4/5/2023	Q	4/5/2023	Q	4/5/2023	Q	4/5/2023	Q	
		(ng/l)											
NETFOSAA	2991-50-6	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
NMeFOSAA	2355-31-9	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorobutanesulfonic acid	375-73-5	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorodecanoic acid	335-76-2	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorododecanoic acid	307-55-1	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorohexanoic acid	307-24-4	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorononanoic acid (PFNA)	375-95-1	20	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.68 U		3.21		3.13		1.68 U		1.66 U		3%
Perfluorooctanoic acid (PFOA)	335-67-1	20	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorotetradecanoic acid	376-06-7	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluorotridecanoic acid	72629-94-8	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Perfluoroundecanoic acid	2058-94-8	NE	1.68 U		1.69 U		1.69 U		1.68 U		1.66 U		-
Total PFAS	Total PFAS	20	1.68 U		3.21		3.13		1.68 U		1.66 U		3%

Key:

VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018

Total Health Advisory PFAS - Cumulative sum of PFOA, PFOS, PFHxS, PFHpA, and PFNA

ng/L - nanograms per liter (parts per trillion)

Bold results indicate detections of the analyte

Shaded results indicate an exceedance of the residential enforcement standard(s)

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

NE - screening level not established

Table C-5
April 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES/DWHA	206 Forest Edge	455 North	455 North-FD	714 Beecher Hill	Trip Blank	RPD (%)
Sample Date	CAS#	4/5/2023	Q 4/5/2023	Q 4/5/2023	Q 4/5/2023	Q 4/5/2023	Q
	(µg/l)						
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,1-Trichloroethane	71-55-6	200	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,2-Trichloroethane	79-00-5	5	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloroethane	75-34-3	70	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloroethene	75-35-4	7	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloropropene	563-58-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dibromo-3-chloropropane	96-12-8	0.2	1.0 U	1.0 U	1.0 U	1.0 U	-
1,2-Dichlorobenzene	95-50-1	600	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichloroethane	107-06-2	5	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichloropropane	78-87-5	5	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3-Dichlorobenzene	541-73-1	600	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3-Dichloropropane	142-28-9	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
1,4-Dichlorobenzene	106-46-7	75	0.5 U	0.5 U	0.5 U	0.5 U	-
2,2-Dichloropropane	594-20-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
2-Butanone	78-93-3	511	5.0 U	5.0 U	5.0 U	5.0 U	-
2-Chlorotoluene	CLBZME2	100	0.5 U	0.5 U	0.5 U	0.5 U	-
2-Hexanone	591-78-6	NE	5.0 U	5.0 U	5.0 U	5.0 U	-
4-Chlorotoluene	106-43-4	100	0.5 U	0.5 U	0.5 U	0.5 U	-
4-Methyl-2-pentanone	108-10-1	NE	5.0 U	5.0 U	5.0 U	5.0 U	-
Acetone	67-64-1	950	13.0	10.0 U	10.0 U	10.0 U	-
Acrylonitrile	107-13-1	NE	10.0 U	10.0 U	10.0 U	10.0 U	-
Benzene	71-43-2	5	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromobenzene	108-86-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromodichloromethane	75-27-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromoform	75-25-2	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Carbon disulfide	75-15-0	NE	2.0 U	2.0 U	2.0 U	2.0 U	-
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U	0.5 U	-
Chlorobenzene	108-90-7	100	0.5 U	0.5 U	0.5 U	0.5 U	-
Chlorobromomethane	74-97-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	-

Key:
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Table C-5
April 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES/DWHA	206 Forest Edge	455 North	455 North-FD	714 Beecher Hill	Trip Blank	RPD (%)
Sample Date	CAS#	4/5/2023	Q 4/5/2023	Q 4/5/2023	Q 4/5/2023	Q 4/5/2023	Q
	(µg/l)						
Chloroethane	75-00-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Chloroform	67-66-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
cis-1,2-Dichloroethene	156-59-2	70	0.5 U	0.5 U	0.5 U	0.5 U	-
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Cumene	98-82-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Cymene	99-87-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Dibromochloromethane	124-48-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Dibromomethane	74-95-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethyl ether	60-29-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethylbenzene	100-41-4	700	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethylene dibromide	106-93-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethyl-tert-butyl ether	637-92-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Freon 11	75-69-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Freon 113	76-13-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Freon 12	75-71-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Hexachlorobutadiene	87-68-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Isopropyl ether	108-20-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
m,p Xylenes	179601-23-1	NE	1.0 U	1.0 U	1.0 U	1.0 U	-
Methyl bromide	74-83-9	5	0.5 U	0.5 U	0.5 U	0.5 U	-
Methyl chloride	74-87-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Methyl tert-butyl ether	1634-04-4	11	0.5 U	0.5 U	0.5 U	0.5 U	-
Methylene chloride	75-09-2	5	0.5 U	0.5 U	0.5 U	0.5 U	-
Naphthalene	91-20-3	0.5	0.5 U	0.5 U	0.5 U	0.5 U	-
n-Butylbenzene	104-51-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
n-Propylbenzene	103-65-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
o-Xylene	95-47-6	10000	0.5 U	0.5 U	0.5 U	0.5 U	-
sec-Butylbenzene	BTBZS	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Styrene	100-42-5	100	0.5 U	0.5 U	0.5 U	0.5 U	-
Tert-amyl methyl ether	994-05-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	-
Tert-Butyl alcohol	75-65-0	NE	25.0 U	25.0 U	25.0 U	25.0 U	-
Tert-Butylbenzene	98-06-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	-

Key:
 VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-5
 April 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID		VGES/DWHA	206 Forest Edge		455 North		455 North-FD		714 Beecher Hill		Trip Blank		RPD (%)
Sample Date	CAS#		4/5/2023	Q	4/5/2023	Q	4/5/2023	Q	4/5/2023	Q	4/5/2023	Q	
		(µg/l)											
Tetrachloroethene	127-18-4	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Tetrahydrofuran	109-99-9	NE	7.0 U		7.0 U		7.0 U		7.0 U		7.0 U		-
Toluene	108-88-3	1000	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
trans-1,2-Dichloroethene	156-60-5	100	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Trichloroethene	79-01-6	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Vinyl chloride	75-01-4	2	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-

Key:

VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018

VGES - Vermont Groundwater Enforcement Standard, July 2019

µg/L - micrograms per liter (parts per billion)

Bold results indicate detections of the analyte

Shaded results indicate an exceedance of the residential enforcement standard(s)

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

Table C-6
May 2023 Drinking Water PFAS Sample Analytical Results

Sample ID	DWHA/VGES	152 Forest Edge Rd-Eff	152 Forest Edge Rd-Inf	152 Forest Edge Rd-Mid	455 North Rd	56 Forest Edge Rd-Eff	56 Forest Edge Rd-Mid
Sample Date	CAS#	5/31/2023	5/31/2023	5/31/2023	5/31/2023	5/31/2023	5/31/2023
	(ng/l)	Q	Q	Q	Q	Q	Q
NEfOSAA	2991-50-6	1.73 U	1.76 U	1.72 U	1.6 U	1.73 U	1.64 U
NMeFOSAA	2355-31-9	1.73 U	1.76 U	1.72 U	1.6 U	1.73 U	1.64 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	1.73 U	1.76 U	1.72 U	1.6 U	1.73 U	1.64 U
Perfluorodecanoic acid	335-76-2	1.73 U	1.76 U	1.72 U	1.6 U	1.73 U	1.64 U
Perfluorododecanoic acid	307-55-1	1.73 U	1.76 U	1.72 U	1.6 U	1.73 U	1.64 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	2.24	1.72 U	1.6 U	1.73 U	1.64 U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.76 U	1.72 U	1.6 U	1.73 U	1.64 U
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	1.73 U	4.64	1.6 U	1.73 U	1.64 U
Perfluorononanoic acid (PFNA)	375-95-1	20	1.73 U	1.76 U	1.6 U	1.73 U	1.64 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.73 U	1.76 U	2.7	1.73 U	1.64 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	1.73 U	2.95	1.6 U	1.73 U	1.64 U
Perfluorotetradecanoic acid	376-06-7	NE	1.73 U	1.76 U	1.6 U	1.73 U	1.64 U
Perfluorotridecanoic acid	72629-94-8	NE	1.73 U	1.76 U	1.6 U	1.73 U	1.64 U
Perfluoroundecanoic acid	2058-94-8	NE	1.73 U	1.76 U	1.6 U	1.73 U	1.64 U
Total Regulated PFAS	Total PFAS	20	5.19	1.72 U	2.7	1.73 U	1.64 U
Sample ID	DWHA/VGES	56 Forest Edge Rd-Inf_FD	56 Forest Edge Rd-Inf	685 Beecher Hill Rd-Eff	685 Beecher Hill Rd-Inf	685 Beecher Hill Rd-Mid	RPD
Sample Date	CAS#	5/31/2023	5/31/2023	5/31/2023	5/31/2023	5/31/2023	%
	(ng/l)	Q	Q	Q	Q	Q	
NEfOSAA	2991-50-6	1.72 U	1.74 U	1.63 U	1.62 U	1.66 U	-
NMeFOSAA	2355-31-9	1.72 U	1.74 U	1.63 U	1.62 U	1.66 U	-
Perfluorobutanesulfonic acid (PFBS)	375-73-5	1.84	1.74 U	1.63 U	1.75	1.66 U	-
Perfluorodecanoic acid	335-76-2	1.72 U	1.74 U	1.63 U	1.62 U	1.66 U	-
Perfluorododecanoic acid	307-55-1	1.72 U	1.74 U	1.63 U	1.62 U	1.66 U	-
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.74 U	1.63 U	1.62 U	1.66 U	-
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.74 U	1.63 U	1.62 U	1.66 U	-
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	2.24	1.9	2.02	1.66 U	16%
Perfluorononanoic acid (PFNA)	375-95-1	20	1.72 U	1.74 U	1.63 U	1.66 U	-
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	3.95	3.68	3.66	1.66 U	7%
Perfluorooctanoic acid (PFOA)	335-67-1	20	5.88	5.29	5.49	1.66 U	11%
Perfluorotetradecanoic acid	376-06-7	NE	1.72 U	1.74 U	1.63 U	1.62 U	-
Perfluorotridecanoic acid	72629-94-8	NE	1.72 U	1.74 U	1.63 U	1.62 U	-
Perfluoroundecanoic acid	2058-94-8	NE	1.72 U	1.74 U	1.63 U	1.62 U	-
Total Regulated PFAS	Total PFAS	20	9.83	8.97	9.15	1.66 U	9%

Key:
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 Shaded results indicate an exceedance of the residential enforcement standard(s)
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 U - Analyte not detected; limit of quantitation listed

Table C-6
May 2023 Drinking Water PFAS Sample Analytical Results

Sample ID	DWHA/VGES	907 Beecher Hill Rd-Inf	907 Beecher Hill Rd-Mid	907 Beecher Hill Rd-Eff	FRB-053123	
Sample Date	CAS#	6/1/2023	6/1/2023	6/1/2023	5/31/2023	
	(ng/l)	Q	Q	Q	Q	
NEtFOSAA	2991-50-6	NE	1.59 U	1.85 U	1.77 U	1.65 U
NMeFOSAA	2355-31-9	NE	1.59 U	1.85 U	1.77 U	1.65 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	2.57	1.85 U	1.77 U	1.65 U
Perfluorodecanoic acid	335-76-2	NE	1.59 U	1.85 U	1.77 U	1.65 U
Perfluorododecanoic acid	307-55-1	NE	1.59 U	1.85 U	1.77 U	1.65 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	10.7	1.85 U	1.77 U	1.65 U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	5.88	1.85 U	1.77 U	1.65 U
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	18.3	1.85 U	1.77 U	1.65 U
Perfluorononanoic acid (PFNA)	375-95-1	20	1.59 U	1.85 U	1.77 U	1.65 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.59 U	1.85 U	1.77 U	1.65 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	32.6	1.85 U	1.77 U	1.65 U
Perfluorotetradecanoic acid	376-06-7	NE	1.59 U	1.85 U	1.77 U	1.65 U
Perfluorotridecanoic acid	72629-94-8	NE	1.59 U	1.85 U	1.77 U	1.65 U
Perfluoroundecanoic acid	2058-94-8	NE	1.59 U	1.85 U	1.77 U	1.65 U
Total Regulated PFAS	Total PFAs	20	49.2	1.85 U	1.77 U	1.65 U

Key:
 VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018
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 ng/L - nanograms per liter (parts per trillion)
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 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-7
 May 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

SampleID Sample Date	CAS#	VGES/ DWHA (µg/l)	152 Forest Edge Rd-Eff		152 Forest Edge Rd-Inf		152 Forest Edge Rd-Mid		56 Forest Edge Rd-Eff		56 Forest Edge Rd-Inf		56 Forest Edge Rd-Inf_FD		RPD %
			5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,1,1-Trichloroethane	71-55-6	200	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,1,2-Trichloroethane	79-00-5	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,1-Dichloroethane	75-34-3	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,1-Dichloroethene	75-35-4	7	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,1-Dichloropropene	563-58-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2-Dibromo-3-chloropropane	96-12-8	0.2	1 U		1 U		1 U		1 U		1 U		1 U		-
1,2-Dibromoethane	106-93-4	0.05	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2-Dichlorobenzene	95-50-1	600	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2-Dichloroethane	107-06-2	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,2-Dichloropropane	78-87-5	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,3-Dichlorobenzene	541-73-1	600	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,3-Dichloropropane	142-28-9	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
1,4-Dichlorobenzene	106-46-7	75	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
2,2-Dichloropropane	594-20-7	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
2-Butanone	78-93-3	511	5 U		5 U		5 U		5 U		5 U		5 U		-
2-Chlorotoluene	95-49-8	100	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
2-Chlorotoluene	CLBZME2	NE	5 U		5 U		5 U		5 U		5 U		5 U		-
2-Hexanone	591-78-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
4-Chlorotoluene	106-43-4	100	5 U		5 U		5 U		5 U		5 U		5 U		-
4-Methyl-2-pentanone	108-10-1	NE	10 U		10 U		10 U		10 U		10 U		10 U		-
Acetone	67-64-1	950	10 U		10 U		10 U		10 U		10 U		10 U		-
Acrylonitrile	107-13-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Benzene	71-43-2	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Bromobenzene	108-86-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Bromochloromethane	74-97-5	8	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Bromodichloromethane	75-27-4	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Bromoform	75-25-2	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Bromomethane	74-83-9	5	2 U		2 U		2 U		2 U		2 U		2 U		-
Carbon disulfide	75-15-0	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Carbon tetrachloride	56-23-5	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Chlorobenzene	108-90-7	100	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Chlorobromomethane	74-97-5	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Chloroethane	75-00-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Chloroform	67-66-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Chloromethane	74-87-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
cis-1,2-Dichloroethene	156-59-2	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Cymene	99-87-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Dibromochloromethane	124-48-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Dibromomethane	74-95-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Dichlorodifluoromethane	75-71-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
di-Isopropyl ether	108-20-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
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 NE - screening level not established
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Table C-7
 May 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

SampleID Sample Date	CAS#	VGES/ DWHA (µg/l)	152 Forest Edge Rd-Eff		152 Forest Edge Rd-Inf		152 Forest Edge Rd-Mid		56 Forest Edge Rd-Eff		56 Forest Edge Rd-Inf		56 Forest Edge Rd-Inf_FD		RPD %
			5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	
Ethyl ether	60-29-7	NE	0.5 U		4.82		0.5 U		0.5 U		0.5 U		0.5 U		-
Ethyl t-butyl ether	637-92-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Ethylbenzene	100-41-4	700	1 U		1 U		1 U		1 U		1 U		1 U		-
Ethylene dibromide	106-93-4	NE	NS		NS		NS		NS		NS		NS		-
Ethyl-tert-butyl ether	637-92-3	NE	1 U		1 U		1 U		1 U		1 U		1 U		-
Freon 11	75-69-4	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Freon 113	76-13-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Freon 12	75-71-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Hexachlorobutadiene	87-88-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Isopropyl ether	108-20-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Isopropylbenzene	98-82-8	NE	1 U		1 U		1 U		1 U		1 U		1 U		-
m&p-Xylene	179601-23-1	NE	1 U		1 U		1 U		1 U		1 U		1 U		-
m,p Xylenes	179601-23-1	NE	1 U		1 U		1 U		1 U		1 U		1 U		-
Methyl chloride	74-87-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Methyl tert-butyl ether	1634-04-4	11	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Methylene chloride	75-09-2	5	5.19		9.39		4.08		0.5 U		0.5 U		0.5 U		-
Methyl tertiary butyl ether	1634-04-4	11	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Naphthalene	91-20-3	0.5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
n-Butylbenzene	104-51-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
n-Propylbenzene	103-65-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
o-Xylene	95-47-6	10000	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
p-Isopropyltoluene	99-87-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
sec-Butylbenzene	135-98-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
sec-Butylbenzene	BTBZS	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Styrene	100-42-5	NE	25 U		25 U		25 U		25 U		25 U		25 U		-
t-Amyl methyl ether	994-05-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
t-Butyl alcohol	75-65-0	NE	25 U		25 U		25 U		25 U		25 U		25 U		-
Tert-amyl methyl ether	994-05-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Tert-Butyl alcohol	75-65-0	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Tert-Butylbenzene	98-06-6	NE	7 U		0.5 U		7 U		7 U		7 U		7 U		-
Tetrachloroethene	127-18-4	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Tetrahydrofuran	109-99-9	NE	0.5 U		14		0.5 U		0.5 U		0.5 U		0.5 U		-
Toluene	108-88-3	1000	0.5 U		0.5 U		0.5 U		0.5 U		0.576		0.5 U		-
trans-1,2-Dichloroethene	156-60-5	100	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Trichloroethene	79-01-6	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Trichlorofluoromethane	75-69-4	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-
Vinyl chloride	75-01-4	2	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		-

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
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Table C-7
 May 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	Sample Date	CAS#	VGES/ DWHA (µg/l)	56 Forest Edge Rd-Mid 5/31/2023		455 North Rd 5/31/2023		685 Beecher Hill Rd-Eff 5/31/2023		685 Beecher Hill Rd-Inf 5/31/2023		685 Beecher Hill Rd-Mid 5/31/2023		907 Beecher Hill Rd-Eff 6/1/2023	
					Q		Q		Q		Q		Q		Q
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,1,1-Trichloroethane	71-55-6	200	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,1,2-Trichloroethane	79-00-5	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,1-Dichloroethane	75-34-3	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,1-Dichloroethene	75-35-4	7	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,1-Dichloropropene	563-58-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	1 U		1 U		1 U		1 U		1 U		1 U		1 U
1,2-Dibromoethane	106-93-4	0.05	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2-Dichlorobenzene	95-50-1	600	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2-Dichloroethane	107-06-2	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,2-Dichloropropane	78-87-5	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,3-Dichlorobenzene	541-73-1	600	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,3-Dichloropropane	142-28-9	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
1,4-Dichlorobenzene	106-46-7	75	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
2,2-Dichloropropane	594-20-7	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
2-Butanone	78-93-3	511	5 U		5 U		5 U		5 U		5 U		5 U		5 U
2-Chlorotoluene	95-49-8	100	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
2-Chlorotoluene	CLBZME2	NE	5 U		5 U		5 U		5 U		5 U		5 U		5 U
2-Hexanone	591-78-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
4-Chlorotoluene	106-43-4	100	5 U		5 U		5 U		5 U		5 U		5 U		5 U
4-Methyl-2-pentanone	108-10-1	NE	10 U		10 U		10 U		10 U		10 U		10 U		10 U
Acetone	67-64-1	950	10 U		10 U		10 U		10 U		10 U		10 U		10 U
Acrylonitrile	107-13-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Benzene	71-43-2	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Bromobenzene	108-86-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Bromochloromethane	74-97-5	8	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Bromodichloromethane	75-27-4	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Bromoform	75-25-2	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Bromomethane	74-83-9	5	2 U		2 U		2 U		2 U		2 U		2 U		2 U
Carbon disulfide	75-15-0	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Carbon tetrachloride	56-23-5	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Chlorobenzene	108-90-7	100	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Chlorobromomethane	74-97-5	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Chloroethane	75-00-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Chloroform	67-66-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Chloromethane	74-87-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
cis-1,2-Dichloroethene	156-59-2	70	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Cymene	99-87-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Dibromochloromethane	124-48-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Dibromomethane	74-95-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Dichlorodifluoromethane	75-71-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
di-Isopropyl ether	108-20-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Ethyl ether	60-29-7	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Ethyl t-butyl ether	637-92-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Ethylbenzene	100-41-4	700	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Ethyl-tert-butyl ether	637-92-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Freon 11	75-69-4	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Freon 113	76-13-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U
Freon 12	75-71-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U

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Table C-7
 May 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID Sample Date	CAS#	VGES/ DWHA (µg/l)	56 Forest Edge Rd-Mid		455 North Rd		685 Beecher Hill Rd-Eff		685 Beecher Hill Rd-Inf		685 Beecher Hill Rd-Mid		907 Beecher Hill Rd-Eff	
			5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	6/1/2023	Q
Hexachlorobutadiene	87-68-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Isopropyl ether	108-20-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Isopropylbenzene	98-82-8	NE	1 U		1 U		1 U		1 U		1 U		1 U	
m&p-Xylene	179601-23-1	NE	1 U		1 U		1 U		1 U		1 U		1 U	
m,p Xylenes	179601-23-1	NE	1 U		1 U		1 U		1 U		1 U		1 U	
Methyl chloride	74-87-3	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Methyl tert-butyl ether	1634-04-4	11	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Methyl tertiary butyl ether	1634-04-4	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Methylene chloride	75-09-2	11	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Naphthalene	91-20-3	0.5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
n-Butylbenzene	104-51-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
n-Propylbenzene	103-65-1	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
o-Xylene	95-47-6	10000	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
p-Isopropyltoluene	99-87-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
sec-Butylbenzene	135-98-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
sec-Butylbenzene	BTBZS	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Styrene	100-42-5	NE	25 U		25 U		25 U		25 U		25 U		25 U	
t-Amyl methyl ether	994-05-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
t-Butyl alcohol	75-65-0	NE	25 U		25 U		25 U		25 U		25 U		25 U	
Tert-amyl methyl ether	994-05-8	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Tert-Butyl alcohol	75-65-0	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Tert-Butylbenzene	98-06-6	NE	7 U		7 U		7 U		7 U		7 U		7 U	
Tetrachloroethene	127-18-4	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Tetrahydrofuran	109-99-9	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Toluene	108-88-3	1000	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
trans-1,2-Dichloroethene	156-60-5	100	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Trichloroethene	79-01-6	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Trichlorofluoromethane	75-69-4	NE	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Vinyl chloride	75-01-4	2	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	

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Table C-7
 May 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES/ DWHA	907 Beecher Hill Rd-Inf	907 Beecher Hill Rd-Mid	152 Forest Edge - EFF
Sample Date	CAS#	6/1/2023	6/1/2023	7/13/2023
	(µg/l)	Q	Q	Q
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U	0.5 U
1,1,1-Trichloroethane	71-55-6	200	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	5	0.5 U	0.5 U
1,1-Dichloroethane	75-34-3	70	0.5 U	0.5 U
1,1-Dichloroethene	75-35-4	7	0.5 U	0.5 U
1,1-Dichloropropene	563-58-6	NE	0.5 U	0.5 U
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U	0.5 U
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U	0.5 U
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U	0.5 U
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	1 U	1 U
1,2-Dibromoethane	106-93-4	0.05	0.5 U	0.5 U
1,2-Dichlorobenzene	95-50-1	600	0.5 U	0.5 U
1,2-Dichloroethane	107-06-2	5	0.5 U	0.5 U
1,2-Dichloropropane	78-87-5	5	0.5 U	0.5 U
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U	0.5 U
1,3-Dichlorobenzene	541-73-1	600	0.5 U	0.5 U
1,3-Dichloropropane	142-28-9	NE	0.5 U	0.5 U
1,4-Dichlorobenzene	106-46-7	75	0.5 U	0.5 U
2,2-Dichloropropane	594-20-7	NE	0.5 U	0.5 U
2-Butanone	78-93-3	511	5 U	5 U
2-Chlorotoluene	95-49-8	100	0.5 U	0.5 U
2-Chlorotoluene	CLBZME2	NE	5 U	5 U
2-Hexanone	591-78-6	NE	0.5 U	0.5 U
4-Chlorotoluene	106-43-4	100	5 U	5 U
4-Methyl-2-pentanone	108-10-1	NE	10 U	10 U
Acetone	67-64-1	950	10 U	10 U
Acrylonitrile	107-13-1	NE	0.5 U	0.5 U
Benzene	71-43-2	5	0.5 U	0.5 U
Bromobenzene	108-86-1	NE	0.5 U	0.5 U
Bromochloromethane	74-97-5	8	0.5 U	0.5 U
Bromodichloromethane	75-27-4	NE	0.5 U	0.5 U
Bromoform	75-25-2	NE	0.5 U	0.5 U
Bromomethane	74-83-9	5	2 U	2 U
Carbon disulfide	75-15-0	NE	0.5 U	0.5 U
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U
Chlorobenzene	108-90-7	100	0.5 U	0.5 U
Chlorobromomethane	74-97-5	NE	0.5 U	0.5 U
Chloroethane	75-00-3	NE	0.5 U	0.5 U
Chloroform	67-66-3	NE	0.5 U	0.5 U
Chloromethane	74-87-3	NE	0.5 U	0.5 U
cis-1,2-Dichloroethene	156-59-2	70	0.5 U	0.5 U
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U	0.5 U
Cymene	99-87-6	NE	0.5 U	0.5 U
Dibromochloromethane	124-48-1	NE	0.5 U	0.5 U
Dibromomethane	74-95-3	NE	0.5 U	0.5 U
Dichlorodifluoromethane	75-71-8	NE	2.83	0.5 U
di-Isopropyl ether	108-20-3	NE	0.5 U	0.5 U
Ethyl ether	60-29-7	NE	6.81	0.5 U
Ethyl t-butyl ether	637-92-3	NE	0.5 U	0.5 U
Ethylbenzene	100-41-4	700	0.5 U	0.5 U
Ethyl-tert-butyl ether	637-92-3	NE	0.5 U	0.5 U
Freon 11	75-69-4	NE	0.5 U	0.5 U
Freon 113	76-13-1	NE	0.5 U	0.5 U
Freon 12	75-71-8	NE	0.5 U	0.5 U

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Table C-7
 May 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES/ DWHA	907 Beecher Hill Rd-Inf	907 Beecher Hill Rd-Mid	152 Forest Edge - EFF
Sample Date	CAS#	6/1/2023	6/1/2023	7/13/2023
	(µg/l)	Q	Q	Q
Hexachlorobutadiene	87-68-3	NE	0.5 U	0.5 U
Isopropyl ether	108-20-3	NE	0.5 U	0.5 U
Isopropylbenzene	98-82-8	NE	1 U	1 U
m&p-Xylene	179601-23-1	NE	1 U	1 U
m,p Xylenes	179601-23-1	NE	1 U	1 U
Methyl chloride	74-87-3	NE	0.5 U	0.5 U
Methyl tert-butyl ether	1634-04-4	11	0.81	0.5 U
Methyl tertiary butyl ether	1634-04-4	5	0.5 U	0.5 U
Methylene chloride	75-09-2	11	0.5 U	0.5 U
Naphthalene	91-20-3	0.5	0.5 U	0.5 U
n-Butylbenzene	104-51-8	NE	0.5 U	0.5 U
n-Propylbenzene	103-65-1	NE	0.5 U	0.5 U
o-Xylene	95-47-6	10000	0.5 U	0.5 U
p-Isopropyltoluene	99-87-6	NE	0.5 U	0.5 U
sec-Butylbenzene	135-98-8	NE	0.5 U	0.5 U
sec-Butylbenzene	BTBZS	NE	0.5 U	0.5 U
Styrene	100-42-5	NE	25 U	25 U
t-Amyl methyl ether	994-05-8	NE	0.5 U	0.5 U
t-Butyl alcohol	75-65-0	NE	25 U	25 U
Tert-amyl methyl ether	994-05-8	NE	0.5 U	0.5 U
Tert-Butyl alcohol	75-65-0	NE	0.5 U	0.5 U
Tert-Butylbenzene	98-06-6	NE	0.5 U	7 U
Tetrachloroethene	127-18-4	5	0.5 U	0.5 U
Tetrahydrofuran	109-99-9	NE	22.5	0.5 U
Toluene	108-88-3	1000	0.5 U	0.5 U
trans-1,2-Dichloroethene	156-60-5	100	0.5 U	0.5 U
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U	0.5 U
Trichloroethene	79-01-6	5	0.5 U	0.5 U
Trichlorofluoromethane	75-69-4	NE	0.5 U	0.5 U
Vinyl chloride	75-01-4	2	0.5 U	0.5 U

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-8
May 2023 Groundwater PFAS Sample Analytical Results

SampleID	VGES	EB-053023	FRB-053023	MW-1R	MW-2D	MW-2S	
Sample Date	CAS#	5/30/2023	5/30/2023	5/30/2023	5/30/2023	5/30/2023	
	(ng/l)	Q	Q	Q	Q	Q	
4:2 Fluorotelomer sulfonic acid	757124-72-4	NE	2.36 U	1.91 U	2.1 U	2.02 U1	1.88 U1
6:2 Fluorotelomer sulfonic acid	27619-97-2	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
8:2 Fluorotelomer sulfonic acid	39108-34-4	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
NEtFOSAA	2991-50-6	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
NMeFOSAA	2355-31-9	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorobutanoic acid (PFBA)	375-22-4	NE	2.36 U	1.91 U	2.1 U	3.41	3.93
Perfluorodecanesulfonic acid	335-77-3	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorodecanoic acid	335-76-2	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorododecanoic acid	307-55-1	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluoroheptanesulfonic acid	375-92-8	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	2.36 U	1.91 U	2.1 U	2.02 U	2.9
Perfluorononanesulfonic acid	68259-12-1	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorononanoic acid (PFNA)	375-95-1	20	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorooctanesulfonamide	754-91-6	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	2.36 U	1.91 U	2.1 U	5.12	11.4
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	2.36 U	1.91 U	2.1 U	2.1	3.84
Perfluorotetradecanoic acid	376-06-7	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluorotridecanoic acid	72629-94-8	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Perfluoroundecanoic acid	2058-94-8	NE	2.36 U	1.91 U	2.1 U	2.02 U	1.88 U
Total Regulated PFAS		20	2.36 U	1.91 U	2.1 U	5.12	11.4

Key:

VGES - Vermont Groundwater Enforcement Standard, July 2019

ng/L - nanograms per liter (parts per trillion)

Bold results indicate detections of the analyte

Shaded results indicate an exceedance of the residential enforcement standard(s)

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

Table C-8
May 2023 Groundwater PFAS Sample Analytical Results

Sample ID	Sample Date	CAS#	VGES (ng/l)	MW-3D		MW-3D-FD		MW-3S		MW-4D		MW-4S		RPD
				5/31/2023	Q	5/31/2023	Q	5/31/2023	Q	5/30/2023	Q	5/30/2023	Q	%
4:2 Fluorotelomer sulfonic acid		757124-72-4	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
6:2 Fluorotelomer sulfonic acid		27619-97-2	NE	75.5		65.5		1.81 U		1.86 U		1.77 U		14%
8:2 Fluorotelomer sulfonic acid		39108-34-4	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
NEtFOSAA		2991-50-6	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
NMeFOSAA		2355-31-9	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	4.24		4.41		4.12		1.86 U		1.77 U		-
Perfluorobutanoic acid (PFBA)		375-22-4	NE	26.8		26.5		19.2		1.86 U		9.23		1%
Perfluorodecanesulfonic acid		335-77-3	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluorodecanoic acid		335-76-2	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluorododecanoic acid		307-55-1	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluoroheptanesulfonic acid		375-92-8	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluoroheptanoic acid (PFHpA)		375-85-9	20	45.7		45.0		25.0		1.86 U		11.3		2%
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	20	27.2		27.2		12.3		1.86 U		4.87		0%
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	68.3		70.1		30.3		1.86 U		16		3%
Perfluorononanesulfonic acid		68259-12-1	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluorononanoic acid (PFNA)		375-95-1	20	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluorooctanesulfonamide		754-91-6	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	20	7.13		7.03		3.1		1.86 U		1.77 U		1%
Perfluorooctanoic acid (PFOA)		335-67-1	20	126		135		59.1		1.86 U		44.4		7%
Perfluoropentanesulfonic acid (PFPeS)		2706-91-4	NE	4.97		5.19		3.59		1.86 U		1.77 U		4%
Perfluoropentanoic acid (PFPeA)		2706-90-3	NE	27.2		29.6		14.3		1.86 U		4.97		8%
Perfluorotetradecanoic acid		376-06-7	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluorotridecanoic acid		72629-94-8	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Perfluoroundecanoic acid		2058-94-8	NE	1.8 U		1.79 U		1.81 U		1.86 U		1.77 U		-
Total Regulated PFAS			20	206		214		99.5		1.86 U		60.6		4%

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 ng/L - nanograms per liter (parts per trillion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-9
May 2023 Groundwater METALS Sample Analytical Results

SampleID	VGES	EB-053023	MW-1R	MW-3D	MW-3D-FD	RPD	
Sample Date	CAS#	5/30/2023	5/30/2023	5/31/2023	5/31/2023	%	
	(µg/L)	Q	Q	Q	Q		
Arsenic	7440-38-2	10	8 U	8 U	14.8	13.1	12%
Cadmium	7440-43-9	5	5 U	5 U	5 U	5 U	-
Chromium	7440-47-3	100	10 U	10 U	10 U	10 U	-
Copper	7440-50-8	1300	10 U	10 U	10 U	10 U	-
Iron	7439-89-6	NE	100 U	1400	3520	3300	6%
Lead	7439-92-1	15	15 U	15 U	15 U	15 U	-
Manganese	7439-96-5	300	10 U	125	2300	2280	1%
Nickel	7440-02-0	100	10 U	10 U	36	34	6%
Sodium	7440-23-5	NE	1500 U	1880	75400	73500	3%
Zinc	7440-66-6	NE	50 U	50 U	50 U	50 U	-
Mercury	7439-97-6	2	0.2 U	0.2 U	0.2 U	0.2 U	-

Sample ID	VGES	MW-3S	MW-4D	MW-4S	MW-2D	MW-2S	
Sample Date	CAS#	5/31/2023	5/30/2023	5/30/2023	5/30/2023	5/30/2023	
	(µg/L)	Q	Q	Q	Q	Q	
Arsenic	7440-38-2	10	8 U	5.75	386	18.5	113
Cadmium	7440-43-9	5	5 U	2.5 U	5 U	2.5 U	2.5 U
Chromium	7440-47-3	100	10 U	16.5	10 U	5 U	5 U
Copper	7440-50-8	1300	10 U	43.2	10 U	5 U	5 U
Iron	7439-89-6	NE	375	13800	33500	3140	14600
Lead	7439-92-1	15	15 U	54.5	15 U	7.5 U	7.5 U
Manganese	7439-96-5	300	2950	542	325	220	1130
Nickel	7440-02-0	100	10 U	18.1	73.5	5 U	15.1
Sodium	7440-23-5	NE	23800	7180	33500	6020	3580
Zinc	7440-66-6	NE	50 U	52.1	50 U	25 U	25 U
Mercury	7439-97-6	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-10
 May 2023 Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES	TB-53123	EB-053023	MW-1R	MW-2D	MW-2S	MW-3S				
Sample Date	CAS#	5/31/2023	Q	5/30/2023	Q	5/30/2023	Q	5/30/2023	Q	5/31/2023	Q
	(µg/l)										
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	71-55-6	200	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	5	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	NE	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	70	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	7	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	563-58-6	NE	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane (EDB)	106-93-4	0.05	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	95-50-1	600	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	5	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	5	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trichlorobenzene	108-70-3	NE	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	600	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	142-28-9	NE	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	75	0.5 U	1 U	1 U	1 U	1 U	1.54	1 U	1 U	1 U
1,4-Dioxane	123-91-1	0.3	NS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,2-Dichloropropane	594-20-7	NE	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	78-93-3	511	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	95-49-8	100	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (MBK)	591-78-6	NE	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chlorotoluene	106-43-4	100	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Isopropyltoluene	99-87-6	NE	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone (MIBK)	108-10-1	NE	5 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	67-64-1	950	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	107-13-1	NE	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	71-43-2	5	0.5 U	1 U	1 U	1 U	1 U	1.14	1 U	1 U	1 U
Bromobenzene	108-86-1	NE	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	74-97-5	8	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 NS - Sample not analyzed for compound
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-10
 May 2023 Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES	TB-53123	EB-053023	MW-1R	MW-2D	MW-2S	MW-3S
Sample Date	CAS#	5/31/2023	5/30/2023	5/30/2023	5/30/2023	5/30/2023	5/31/2023
	(µg/l)	Q	Q	Q	Q	Q	Q
Bromoform	75-25-2	NE	0.5 U	1 U-	1 U-	1 U-	1 U-
Bromomethane	74-83-9	5	0.5 U	2 U	2 U	2 U	2 U
Carbon disulfide	75-15-0	NE	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	56-23-5	5	0.5 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	100	0.5 U	1 U+	1 U+	1 U+	1.74 *+
Chloroethane	75-00-3	NE	0.5 U	2 U	2 U	2 U	2 U
Chloroform	67-66-3	NE	0.5 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	NE	0.5 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	156-59-2	70	0.5 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	124-48-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	74-95-3	NE	0.5 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane (Freon 12)	75-71-8	NE	0.5 U	2 U	2 U	2 U	2 U
di-Isopropyl ether	108-20-3	NE	0.5 U	1 U	1 U	1 U	1 U
Ethanol	64-17-5	NE	NS	200 U	200 U	200 U	200 U
Ethyl ether	60-29-7	NE	0.5 U	1 U	1 U	1.74	3.48
Ethyl tert-butyl ether	637-92-3	NE	0.5 U	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	700	0.5 U	1 U	1 U	1 U	1 U
Freon 113	76-13-1	NE	0.5 U	NS	NS	NS	NS
Hexachlorobutadiene	87-68-3	NE	0.5 U	1 U	1 U	1 U	1 U
Isopropylbenzene	98-82-8	NE	0.5 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	1634-04-4	11	0.5 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5	0.605	2 U	2 U	2 U	2 U
m-Xylene & p-Xylene	179601-23-1	NE	1 U	1 U	1 U	1 U	1 U
Naphthalene	91-20-3	0.5	0.5 U	2 U	2 U	2 U	2 U
n-Butylbenzene	104-51-8	NE	0.5 U	1 U	1 U	1 U	1 U
N-Propylbenzene	103-65-1	NE	0.5 U	1 U	1 U	1 U	1 U
o-Xylene	95-47-6	10000	0.5 U	1 U	1 U	1 U	1 U
p-Isopropyltoluene	99-87-6	NE	0.5 U	NS	NS	NS	NS
sec-Butylbenzene	135-98-8	NE	0.5 U	1 U	1 U	1 U	1 U
Styrene	100-42-5	100	0.5 U	1 U	1 U	1 U	1 U

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 NS - Sample not analyzed for compound
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 *- - LCS and/or LCSD is outside acceptance limits, low biased
 *+ - LCS and/or LCSD is outside acceptance limits, high biased

Table C-10
 May 2023 Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES	TB-53123	EB-053023	MW-1R	MW-2D	MW-2S	MW-3S
Sample Date	CAS#	5/31/2023	5/30/2023	5/30/2023	5/30/2023	5/30/2023	5/31/2023
	(µg/l)	Q	Q	Q	Q	Q	Q
Tert-amyl methyl ether	994-05-8	0.5 U	1 U	1 U	1 U	1 U	1 U
tert-Butanol	75-65-0	NE	25 U	10 U	10 U	10 U	10 U
tert-Butylbenzene	98-06-6	NE	0.5 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	0.5 U	1 U	1 U	1 U	1 U
Tetrahydrofuran	109-99-9	NE	7 U	3.11	2 U	2 U	2 U
Toluene	108-88-3	1000	0.5 U	1 U	1 U	1 U	1 U
Total Trimethylbenzene	25551-13-7	NE	0.5 U	1 U	1 U	1 U	1 U
Total Xylene	1330-20-7	10000	0.5 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	100	0.5 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	110-57-6	NE	NS	5 U	5 U	5 U	5 U
Trichloroethene	79-01-6	5	0.5 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane (Freon 11)	75-69-4	NE	0.5 U	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	2	0.5 U	1 U	1 U	1 U	1 U

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-10
 May 2023 Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES	MW-3D	MW-3D-FD	MW-4D	MW-4S	TB-053023	RPD	
Sample Date	CAS#	5/31/2023	Q	5/31/2023	Q	5/30/2023	Q	%
	(µg/l)							
1,1,1,2-Tetrachloroethane	630-20-6	70	1 U	1 U	1 U	1 U	1 U	-
1,1,1-Trichloroethane	71-55-6	200	1 U	1 U	1 U	1 U	1 U	-
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,2-Trichloroethane	79-00-5	5	1 U	1 U	1 U	1 U	1 U	-
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	NE	1 U	1 U	1 U	1 U	1 U	-
1,1-Dichloroethane	75-34-3	70	1 U	1 U	1 U	1 U	1 U	-
1,1-Dichloroethene	75-35-4	7	1 U	1 U	1 U	1 U	1 U	-
1,1-Dichloropropene	563-58-6	NE	1 U	1 U	1 U	1 U	1 U	-
1,2,3-Trichlorobenzene	87-61-6	0.9	1 U	1 U	1 U	1 U	1 U	-
1,2,3-Trichloropropane	96-18-4	0.02	1 U	1 U	1 U	1 U	1 U	-
1,2,4-Trichlorobenzene	120-82-1	70	1 U	1 U	1 U	1 U	1 U	-
1,2,4-Trimethylbenzene	95-63-6	23	1 U	1 U	1 U	1 U	1 U	-
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	2 U	2 U	2 U	2 U	2 U	-
1,2-Dibromoethane (EDB)	106-93-4	0.05	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichlorobenzene	95-50-1	600	1 U	1 U	1 U	1 U	1 U	-
1,2-Dichloroethane	107-06-2	5	1 U	1 U	1 U	1 U	1 U	-
1,2-Dichloropropane	78-87-5	5	1 U	1 U	1 U	1 U	1 U	-
1,3,5-Trichlorobenzene	108-70-3	NE	1 U	1 U	1 U	1 U	1 U	-
1,3,5-Trimethylbenzene	108-67-8	23	1 U	1 U	1 U	1 U	1 U	-
1,3-Dichlorobenzene	541-73-1	600	1 U	1 U	1 U	1 U	1 U	-
1,3-Dichloropropane	142-28-9	NE	1 U	1 U	1 U	1 U	1 U	-
1,4-Dichlorobenzene	106-46-7	75	1 U	1 U	1 U	1.47	1 U	-
1,4-Dioxane	123-91-1	0.3	50 U	50 U	50 U	50 U	50 U	-
2,2-Dichloropropane	594-20-7	NE	1 U	1 U	1 U	1 U	1 U	-
2-Butanone (MEK)	78-93-3	511	2 U	2 U	2 U	2 U	2 U	-
2-Chlorotoluene	95-49-8	100	1 U	1 U	1 U	1 U	1 U	-
2-Hexanone (MBK)	591-78-6	NE	2 U	2 U	2 U	2 U	2 U	-
4-Chlorotoluene	106-43-4	100	1 U	1 U	1 U	1 U	1 U	-
4-Isopropyltoluene	99-87-6	NE	1 U	1 U	1 U	1 U	1 U	-
4-Methyl-2-pentanone (MIBK)	108-10-1	NE	2 U	2 U	2 U	2 U	2 U	-
Acetone	67-64-1	950	10 U	10 U	10 U	10 U	10 U	-
Acrylonitrile	107-13-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Benzene	71-43-2	5	1.45	1.49	1 U	3.22	1 U	3%
Bromobenzene	108-86-1	NE	1 U	1 U	1 U	1 U	1 U	-
Bromochloromethane	74-97-5	8	1 U	1 U	1 U	1 U	1 U	-
Bromodichloromethane	75-27-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromoform	75-25-2	NE	1 U-	1 U-	1 U-	1 U-	1 U-	-

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 *- - LCS and/or LCSD is outside acceptance limits, low biased
 *+ - LCS and/or LCSD is outside acceptance limits, high biased

Table C-10
 May 2023 Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES	MW-3D	MW-3D-FD	MW-4D	MW-4S	TB-053023	RPD	
Sample Date	CAS#	5/31/2023	Q	5/31/2023	Q	5/30/2023	Q	%
	(µg/l)							
Bromomethane	74-83-9	5	2 U	2 U	2 U	2 U	2 U	-
Carbon disulfide	75-15-0	NE	2 U	2 U	2 U	2 U	2 U	-
Carbon tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U	-
Chlorobenzene	108-90-7	100	1 U+	1 U+	1 U+	2.79 *+	1 U+	-
Chloroethane	75-00-3	NE	2 U	2 U	2 U	2 U	2 U	-
Chloroform	67-66-3	NE	1 U	1 U	1 U	1 U	1 U	-
Chloromethane	74-87-3	NE	2 U	2 U	2 U	2 U	2 U	-
cis-1,2-Dichloroethene	156-59-2	70	1 U	1 U	1 U	1.08	1 U	-
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Dibromochloromethane	124-48-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Dibromomethane	74-95-3	NE	1 U	1 U	1 U	1 U	1 U	-
Dichlorodifluoromethane (Freon 12)	75-71-8	NE	2 U	2 U	2 U	2 U	2 U	-
di-Isopropyl ether	108-20-3	NE	1 U	1 U	1 U	1 U	1 U	-
Ethanol	64-17-5	NE	200 U	200 U	200 U	200 U	200 U	-
Ethyl ether	60-29-7	NE	13.8	13.3	1 U	11	1 U	4%
Ethyl tert-butyl ether	637-92-3	NE	1 U	1 U	1 U	1 U	1 U	-
Ethylbenzene	100-41-4	700	1 U	1 U	1 U	1 U	1 U	-
Hexachlorobutadiene	87-68-3	NE	1 U	1 U	1 U	1 U	1 U	-
Isopropylbenzene	98-82-8	NE	1 U	1 U	1 U	1 U	1 U	-
Methyl tert-butyl ether	1634-04-4	11	1 U	1 U	1 U	1 U	1 U	-
Methylene Chloride	75-09-2	5	2 U	2 U	2 U	2 U	2 U	-
m-Xylene & p-Xylene	179601-23-1	NE	1 U	1 U	1 U	1 U	1 U	-
Naphthalene	91-20-3	0.5	2 U	2 U	2 U	2 U	2 U	-
n-Butylbenzene	104-51-8	NE	1 U	1 U	1 U	1 U	1 U	-
N-Propylbenzene	103-65-1	NE	1 U	1 U	1 U	1 U	1 U	-
o-Xylene	95-47-6	10000	1 U	1 U	1 U	1 U	1 U	-
sec-Butylbenzene	135-98-8	NE	1 U	1 U	1 U	1 U	1 U	-
Styrene	100-42-5	100	1 U	1 U	1 U	1 U	1 U	-
Tert-amyl methyl ether	994-05-8	NE	1 U	1 U	1 U	1 U	1 U	-
tert-Butanol	75-65-0	NE	10 U	10 U	10 U	10 U	10 U	-
tert-Butylbenzene	98-06-6	NE	1 U	1 U	1 U	1 U	1 U	-
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	1 U	-
Tetrahydrofuran	109-99-9	NE	35.9	41	2 U	11.9	2 U	13%
Toluene	108-88-3	1000	1 U	1 U	1 U	1 U	1 U	-
Total Trimethylbenzene	25551-13-7	NE	1 U	1 U	1 U	1 U	1 U	-
Total Xylene	1330-20-7	10000	1 U	1 U	1 U	1 U	1 U	-

Key:
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 NE - screening level not established
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 U - Analyte not detected; limit of quantitation listed
 *+ - LCS and/or LCSD is outside acceptance limits, high biased

Table C-10
 May 2023 Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES	MW-3D	MW-3D-FD	MW-4D	MW-4S	TB-053023	RPD
Sample Date	CAS#	5/31/2023	5/31/2023	5/30/2023	5/30/2023	5/30/2023	%
	(µg/l)	Q	Q	Q	Q	Q	
trans-1,2-Dichloroethene	156-60-5	1 U	1 U	1 U	1 U	1 U	-
trans-1,3-Dichloropropene	10061-02-6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
trans-1,4-Dichloro-2-butene	110-57-6	5 U	5 U	5 U	5 U	5 U	-
Trichloroethene	79-01-6	1 U	1 U	1 U	1 U	1 U	-
Trichlorofluoromethane (Freon 11)	75-69-4	1 U	1 U	1 U	1 U	1 U	-
Vinyl chloride	75-01-4	1 U	1 U	1 U	1 U	1 U	-

Key:

VGES - Vermont Groundwater Enforcement Standard, July 2019

µg/L - micrograms per liter (parts per billion)

Bold results indicate detections of the analyte

Shaded results indicate an exceedance of the residential enforcement standard(s)

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

*- - LCS and/or LCSD is outside acceptance limits, low biased

**+ - LCS and/or LCSD is outside acceptance limits, high biased

Table C-11
 May 2023 Groundwater WET CHEMISTRY Sample Analytical Results

SampleID		VGES	EB-053023		MW-1R		MW-3D		MW-3D-FD		RPD	
Sample Date	CAS#		5/30/2023	Q	5/30/2023	Q	5/31/2023	Q	5/31/2023	Q	%	
		(µg/L)										
Chloride	16887-00-6	NE	1500	U	7500	U	38300	F1	39500	F1	3%	
		(mg/l)										
Chemical Oxygen Demand	COD	NE	75	U	75	U	75	U	75	U		
Sample ID		VGES	MW-3S		MW-4D		MW-4S		MW-2D		MW-2S	
Sample Date	CAS#		5/31/2023	Q	5/30/2023	Q	5/30/2023	Q	5/30/2023	Q	5/30/2023	Q
		(µg/L)										
Chloride	16887-00-6	NE	16600		7500	U	15400		7500	U	7500	U
		(mg/l)										
Chemical Oxygen Demand	COD	NE	75	U	173		75	U	75	U	75	U

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 µg/L - micrograms per liter (parts per billion)
 mg/l - milligrams per liter (parts per trillion)
Bold results indicate detections of the analyte
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 F1 - MS and/or MSD recovery exceeds control limits

Table C-12
June 2023 Drinking Water PFAS Sample Analytical Results

Sample ID		VGES/DWHA	182 Forest Edge		206 Forest Edge		206 Forest Edge-FD		490 North Rd		RPD (%)
Sample Date	CAS#		6/14/2023	Q	6/14/2023	Q	6/14/2023	Q	6/14/2023	Q	206 Forest Edge
		(ng/l)									
NEtFOSAA	2991-50-6	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
NMeFOSAA	2355-31-9	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorobutanesulfonic acid	375-73-5	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorodecanoic acid	335-76-2	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorododecanoic acid	307-55-1	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorohexanoic acid	307-24-4	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorononanoic acid (PFNA)	375-95-1	20	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorooctanoic acid (PFOA)	335-67-1	20	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorotetradecanoic acid	376-06-7	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluorotridecanoic acid	72629-94-8	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Perfluoroundecanoic acid	2058-94-8	NE	1.76 U		1.83 U		1.76 U		1.73 U		-
Total PFAs	Total PFAs	20	1.76 U		1.83 U		1.76 U		1.73 U		-
Sample ID		VGES/DWHA	714 Beecher Hill		794 Beecher Hill		413 North Rd		413 North Rd-FRB		
Sample Date	CAS#		6/14/2023	Q	6/14/2023	Q	6/14/2023	Q	6/14/2023	Q	
		(ng/l)									
NEtFOSAA	2991-50-6	NE	1.72 U		2.27 U		1.67 U		1.69 U		
NMeFOSAA	2355-31-9	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorobutanesulfonic acid	375-73-5	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorodecanoic acid	335-76-2	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorododecanoic acid	307-55-1	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorohexanoic acid	307-24-4	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorononanoic acid (PFNA)	375-95-1	20	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorooctanoic acid (PFOA)	335-67-1	20	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorotetradecanoic acid	376-06-7	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluorotridecanoic acid	72629-94-8	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Perfluoroundecanoic acid	2058-94-8	NE	1.72 U		2.27 U		1.67 U		1.69 U		
Total PFAs	Total PFAs	20	1.72 U		2.27 U		1.67 U		1.69 U		

Key:
 VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 ng/L - nanograms per liter (parts per trillion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-13
June 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID Sample Date	VGES/DWHA (µg/l)	182 Forest Edge 6/14/2023		206 Forest Edge 6/14/2023		206 Forest Edge-FD 6/14/2023		413 North Rd 6/14/2023		490 North Rd 6/14/2023		714 Beecher Hill 6/14/2023		RPD (%)
		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	206 Forest Edge	
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,1-Trichloroethane	71-55-6	200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1,2-Trichloroethane	79-00-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloroethane	75-34-3	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloroethene	75-35-4	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,1-Dichloropropene	563-58-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dibromo-3-chloropropane	96-12-8	0.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-
1,2-Dichlorobenzene	95-50-1	600	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichloroethane	107-06-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,2-Dichloropropane	78-87-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3-Dichlorobenzene	541-73-1	600	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,3-Dichloropropane	142-28-9	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
1,4-Dichlorobenzene	106-46-7	75	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
2,2-Dichloropropane	594-20-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
2-Butanone	78-93-3	511	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-
2-Chlorotoluene	CLBZME2	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
2-Hexanone	591-78-6	NE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-
4-Chlorotoluene	106-43-4	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
4-Methyl-2-pentanone	108-10-1	NE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	-
Acetone	67-64-1	950	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-
Acrylonitrile	107-13-1	NE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	-
Benzene	71-43-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromobenzene	108-86-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromodichloromethane	75-27-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Bromoform	75-25-2	NE	0.5 U	0.5 U	0.5 U	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	75-15-0	NE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	-
Carbon tetrachloride	56-23-5	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Chlorobenzene	108-90-7	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Chlorobromomethane	74-97-5	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	-
Chloroethane	75-00-3	NE	0.5 U	0.5 U	0.5 U	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	67-66-3	NE	0.5 U	0.5 U	0.5 U	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-Dichloroethene	156-59-2	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Cumene	98-82-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Cymene	99-87-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Dibromochloromethane	124-48-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-

Key:
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Table C-13
June 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID Sample Date	VGES/DWHA (µg/l)	182 Forest Edge 6/14/2023		206 Forest Edge 6/14/2023		206 Forest Edge-FD 6/14/2023		413 North Rd 6/14/2023		490 North Rd 6/14/2023		714 Beecher Hill 6/14/2023		RPD (%)
		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	206 Forest Edge	
Dibromomethane	74-95-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethyl ether	60-29-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethylbenzene	100-41-4	700	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethylene dibromide	106-93-4	0.05	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Ethyl-tert-butyl ether	637-92-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Freon 11	75-69-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Freon 113	76-13-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Freon 12	75-71-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Hexachlorobutadiene	87-68-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Isopropyl ether	108-20-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
m,p Xylenes	179601-23-1	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	-
Methyl bromide	74-83-9	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Methyl chloride	74-87-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Methyl tert-butyl ether	1634-04-4	11	0.5 U	0.5 U	0.5 U	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	75-09-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Naphthalene	91-20-3	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
n-Butylbenzene	104-51-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
n-Propylbenzene	103-65-1	NE	0.5 U	0.5 U	0.5 U	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	95-47-6	10000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
sec-Butylbenzene	BTBZS	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Styrene	100-42-5	100	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Tert-amyl methyl ether	994-05-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Tert-Butyl alcohol	75-65-0	NE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	-
Tert-Butylbenzene	98-06-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Tetrachloroethene	127-18-4	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Tetrahydrofuran	109-99-9	NE	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	-
Toluene	108-88-3	1000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Total Trimethylbenzene	25551-13-7	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Total Xylene	1330-20-7	10000	0.5 U	0.5 U	0.5 U	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-Dichloroethene	156-60-5	100	0.5 U	0.5 U	0.5 U	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-1,3-Dichloropropene	10061-02-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-
Trichloroethene	79-01-6	5	0.5 U	0.5 U	0.5 U	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 chloride	75-01-4	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	-

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Table C-13
June 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES/DWHA	794 Beecher Hill	Trip Blank
Sample Date	CAS#	6/14/2023	6/14/2023
	(µg/l)	Q	Q
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U
1,1,1-Trichloroethane	71-55-6	200	0.5 U
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U
1,1,2-Trichloroethane	79-00-5	5	0.5 U
1,1-Dichloroethane	75-34-3	70	0.5 U
1,1-Dichloroethene	75-35-4	7	0.5 U
1,1-Dichloropropene	563-58-6	NE	0.5 U
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5 U
1,2,3-Trichloropropane	96-18-4	0.02	0.5 U
1,2,4-Trichlorobenzene	120-82-1	70	0.5 U
1,2,4-Trimethylbenzene	95-63-6	23	0.5 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	1 U
1,2-Dichlorobenzene	95-50-1	600	0.5 U
1,2-Dichloroethane	107-06-2	5	0.5 U
1,2-Dichloropropane	78-87-5	5	0.5 U
1,3,5-Trimethylbenzene	108-67-8	23	0.5 U
1,3-Dichlorobenzene	541-73-1	600	0.5 U
1,3-Dichloropropane	142-28-9	NE	0.5 U
1,4-Dichlorobenzene	106-46-7	75	0.5 U
2,2-Dichloropropane	594-20-7	NE	0.5 U
2-Butanone	78-93-3	511	5 U
2-Chlorotoluene	CLBZME2	NE	0.5 U
2-Hexanone	591-78-6	NE	5 U
4-Chlorotoluene	106-43-4	100	0.5 U
4-Methyl-2-pentanone	108-10-1	NE	5 U
Acetone	67-64-1	950	10 U
Acrylonitrile	107-13-1	NE	10 U
Benzene	71-43-2	5	0.5 U
Bromobenzene	108-86-1	NE	0.5 U
Bromodichloromethane	75-27-4	NE	0.5 U
Bromoform	75-25-2	NE	0.5 U
Carbon disulfide	75-15-0	NE	2 U
Carbon tetrachloride	56-23-5	5	0.5 U
Chlorobenzene	108-90-7	100	0.5 U
Chlorobromomethane	74-97-5	8	0.5 U
Chloroethane	75-00-3	NE	0.5 U
Chloroform	67-66-3	NE	0.5 U
cis-1,2-Dichloroethene	156-59-2	70	0.5 U
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U
Cumene	98-82-8	NE	0.5 U
Cymene	99-87-6	NE	0.5 U
Dibromochloromethane	124-48-1	NE	0.5 U

Key:
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Table C-13
June 2023 Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES/DWHA	794 Beecher Hill	Trip Blank
Sample Date	CAS#	6/14/2023	6/14/2023
	(µg/l)	Q	Q
Dibromomethane	74-95-3	NE	0.5 U
Ethyl ether	60-29-7	NE	0.5 U
Ethylbenzene	100-41-4	700	0.5 U
Ethylene dibromide	106-93-4	0.05	0.5 U
Ethyl-tert-butyl ether	637-92-3	NE	0.5 U
Freon 11	75-69-4	NE	0.5 U
Freon 113	76-13-1	NE	0.5 U
Freon 12	75-71-8	NE	0.5 U
Hexachlorobutadiene	87-68-3	NE	0.5 U
Isopropyl ether	108-20-3	NE	0.5 U
m,p Xylenes	179601-23-1	NE	1 U
Methyl bromide	74-83-9	5	0.5 U
Methyl chloride	74-87-3	NE	0.5 U
Methyl tert-butyl ether	1634-04-4	11	0.5 U
Methylene chloride	75-09-2	5	0.5 U
Naphthalene	91-20-3	0.5	0.5 U
n-Butylbenzene	104-51-8	NE	0.5 U
n-Propylbenzene	103-65-1	NE	0.5 U
o-Xylene	95-47-6	10000	0.5 U
sec-Butylbenzene	BTBZS	NE	0.5 U
Styrene	100-42-5	100	0.5 U
Tert-amyl methyl ether	994-05-8	NE	0.5 U
Tert-Butyl alcohol	75-65-0	NE	25 U
Tert-Butylbenzene	98-06-6	NE	0.5 U
Tetrachloroethene	127-18-4	5	0.5 U
Tetrahydrofuran	109-99-9	NE	7 U
Toluene	108-88-3	1000	0.5 U
Total Trimethylbenzene	25551-13-7	NE	0.5 U
Total Xylene	1330-20-7	10000	0.5 U
trans-1,2-Dichloroethene	156-60-5	100	0.5 U
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U
Trichloroethene	79-01-6	5	0.5 U
Vinyl chloride	75-01-4	2	0.5 U

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Table C-14
July 2023 VOCs Sample Analytical Results

Sample ID		VGES/ DWHA	152 Forest Edge - EFF	
Sample Date	CAS#		7/13/2023	Q
VOLATILE ORGANIC COMPOUNDS				
		(µg/l)		
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5	U
1,1,1-Trichloroethane	71-55-6	200	0.5	U
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5	U
1,1,2-Trichloroethane	79-00-5	5	0.5	U
1,1-Dichloroethane	75-34-3	70	0.5	U
1,1-Dichloroethene	75-35-4	7	0.5	U
1,1-Dichloropropene	563-58-6	NE	0.5	U
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5	U
1,2,3-Trichloropropane	96-18-4	0.02	0.5	U
1,2,4-Trichlorobenzene	120-82-1	70	0.5	U
1,2,4-Trimethylbenzene	95-63-6	23	0.5	U
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	1	U
1,2-Dibromoethane	106-93-4	0.05	0.5	U
1,2-Dichlorobenzene	95-50-1	600	0.5	U
1,2-Dichloroethane	107-06-2	5	0.5	U
1,2-Dichloropropane	78-87-5	5	0.5	U
1,3,5-Trimethylbenzene	108-67-8	23	0.5	U
1,3-Dichlorobenzene	541-73-1	600	0.5	U
1,3-Dichloropropane	142-28-9	NE	0.5	U
1,4-Dichlorobenzene	106-46-7	75	0.5	U
2,2-Dichloropropane	594-20-7	NE	0.5	U
2-Butanone	78-93-3	511	5	U
2-Chlorotoluene	95-49-8	100	0.5	U
2-Hexanone	591-78-6	NE	5	U
4-Chlorotoluene	106-43-4	100	0.5	U
4-Methyl-2-pentanone	108-10-1	NE	5	U
Acetone	67-64-1	950	10	U
Acrylonitrile	107-13-1	NE	10	U
Benzene	71-43-2	5	0.5	U
Bromobenzene	108-86-1	NE	0.5	U
Bromochloromethane	74-97-5	8	0.5	U
Bromodichloromethane	75-27-4	NE	0.5	U
Bromoform	75-25-2	NE	0.5	U
Bromomethane	74-83-9	5	0.5	U
Carbon disulfide	75-15-0	NE	2	U
Carbon tetrachloride	56-23-5	5	0.5	U

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Table C-14
July 2023 VOCs Sample Analytical Results

Sample ID		VGES/ DWHA	152 Forest Edge - EFF	
Sample Date	CAS#		7/13/2023	Q
VOLATILE ORGANIC COMPOUNDS				
		(µg/l)		
Chlorobenzene	108-90-7	100	0.5	U
Chloroethane	75-00-3	NE	0.5	U
Chloroform	67-66-3	NE	0.5	U
Chloromethane	74-87-3	NE	0.5	U
cis-1,2-Dichloroethene	156-59-2	70	0.5	U
cis-1,3-Dichloropropene	10061-01-5	NE	0.5	U
Dibromochloromethane	124-48-1	NE	0.5	U
Dibromomethane	74-95-3	NE	0.5	U
Dichlorodifluoromethane	75-71-8	NE	0.5	U
di-Isopropyl ether	108-20-3	NE	0.5	U
Ethyl ether	60-29-7	NE	0.5	U
Ethyl t-butyl ether	637-92-3	NE	0.5	U
Ethylbenzene	100-41-4	700	0.5	U
Freon 113	76-13-1	NE	0.5	U
Hexachlorobutadiene	87-68-3	NE	0.5	U
Isopropylbenzene	98-82-8	NE	0.5	U
m&p-Xylene	179601-23-1	NE	1	U
Methyl tertiary butyl ether	1634-04-4	11	0.5	U
Methylene Chloride	75-09-2	5	0.5	U
Naphthalene	91-20-3	0.5	0.5	U
n-Butylbenzene	104-51-8	NE	0.5	U
N-Propylbenzene	103-65-1	NE	0.5	U
o-Xylene	95-47-6	10000	0.5	U
p-Isopropyltoluene	99-87-6	NE	0.5	U
sec-Butylbenzene	135-98-8	NE	0.5	U
Styrene	100-42-5	100	0.5	U
t-Amyl methyl ether	994-05-8	NE	0.5	U
t-Butyl alcohol	75-65-0	NE	25	U
tert-Butylbenzene	98-06-6	NE	0.5	U
Tetrachloroethene	127-18-4	5	0.5	U
Tetrahydrofuran	109-99-9	NE	7	U
Toluene	108-88-3	1000	0.5	U
Total Trimethylbenzene	25551-13-7	NE	0.5	U
Total Xylene	1330-20-7	10000	0.5	U
trans-1,2-Dichloroethene	156-60-5	100	0.5	U
trans-1,3-Dichloropropene	10061-02-6	NE	0.5	U
Trichloroethene	79-01-6	5	0.5	U
Trichlorofluoromethane	75-69-4	NE	0.5	U
Vinyl chloride	75-01-4	2	0.5	U

Key:

VTDOH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018

VGES - Vermont Groundwater Enforcement Standard, July 2019

µg/L - micrograms per liter (parts per billion)

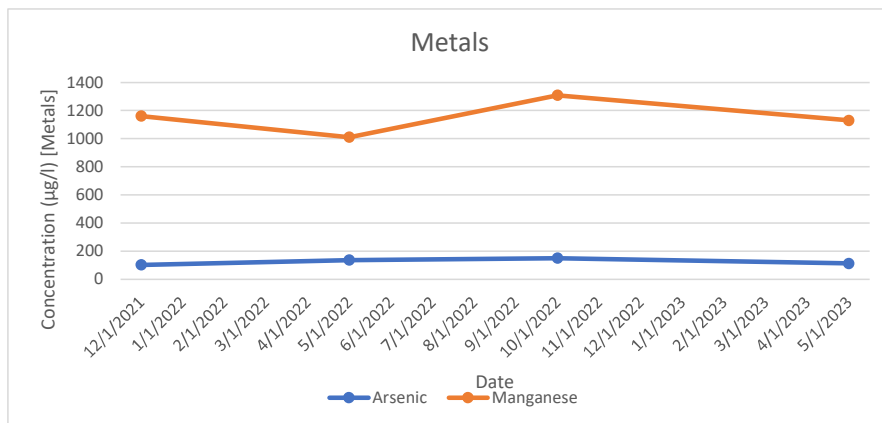
Shaded results indicate an exceedance of the residential enforcement standard(s)

NE - screening level not established

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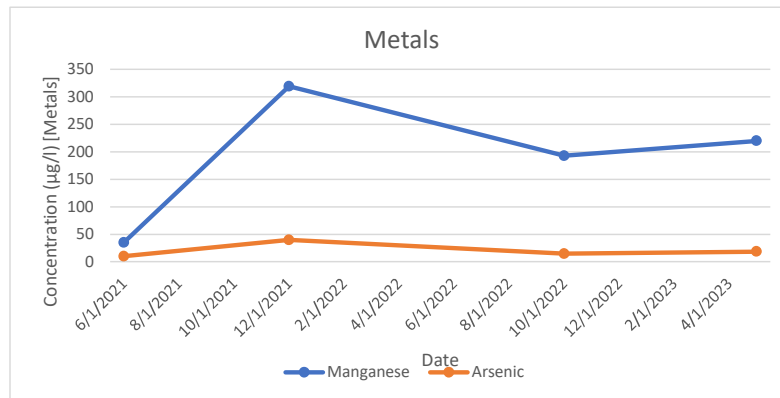
Table and Time Series C-15
MW-2S



Sample ID	VGES	MW-2S	MW-2S	MW-2S	MW-2S
Sample Date	CAS#	12/23/2021	5/18/2022	10/19/2022	5/30/2023
Analyte		Q	Q	Q	Q
VOCs					
PFAS	(µg/L)				
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	2.77	5.5	5.62
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.76 U	1.85 U	4.03
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.76 U	1.85 U	1.82 U
Perfluorononanoic acid (PFNA)	375-95-1	20	1.76 U	1.85 U	1.82 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.76 U	1.85 U	2.94 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	5.57	6.04	7.16
Total Regulated PFAS		20	5.57	6.04	11.19
Total Metals	(µg/l)				
Arsenic	7440-38-2	10	102	136	150
Iron	7439-89-6	NE	15700	15400	15900
Manganese	7439-96-5T	300	1160	1010	1310
Sodium	7440-23-5	NE	3080	2840	4180
COD	(mg/L)				
COD	NE	25	75 U	75 U	75 U
Chloride	(µg/l)				
Chloride	16887-00-6	NE	5000 U	2470	7.5 U

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 NA- Not analyzed

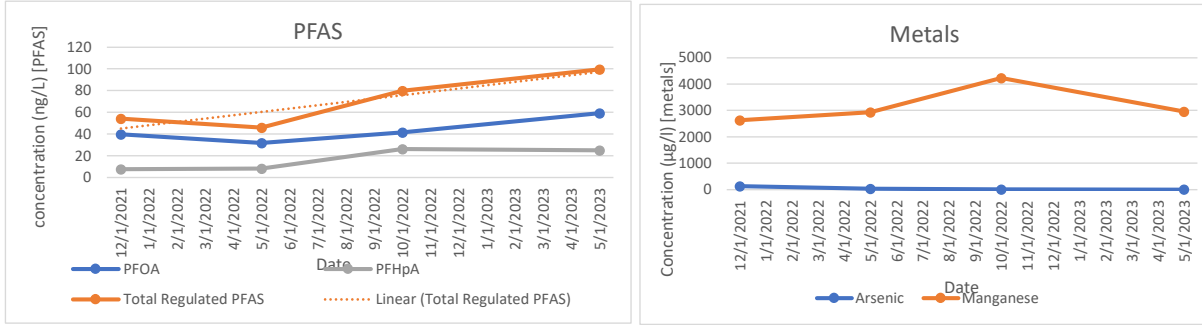
Table and Time Series C-16
MW-2D



Sample ID	Sample Date	CAS#	VGES	MW-2 (MW-2D)		MW-2D		MW-2D		MW-2D	
				6/14/2021	Q	12/23/2021	Q	10/19/2022	Q	5/30/2023	Q
Analyte											
VOCs			(µg/l)								
PFAS			(ng/L)								
Perfluoroheptanoic acid (PFHpA)		375-85-9	20	NA		1.92 U		1.87 U		2.02 U	
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	20	NA		1.92 U		1.87 U		2.02 U	
Perfluorononanoic acid (PFNA)		375-95-1	20	NA		1.92 U		1.87 U		2.02 U	
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	20	NA		1.92 U		1.87 U		2.02 U	
Perfluorooctanoic acid (PFOA)		335-67-1	20	NA		2.43		2.32		5.12	
Total Regulated PFAS			20	NA		2.43		2.32		5.12	
Total Metals			(µg/l)	(dissolved)							
Arsenic		7440-38-2	10	10 U		39.7		14.9		18.5	
Iron		7439-89-6	NE	NA		7740		2270		3140	
Manganese		7439-96-5T	300	35		319		193		220	
Sodium		7440-23-5	NE	8500		8150		8020		6020	
COD			(mg/L)								
COD			NE	10 U		15		75 U		75 U	
Chloride			(µg/l)								
Chloride		16887-00-6	NE	2700 U		5000 U		7.5 U		7.5 U	

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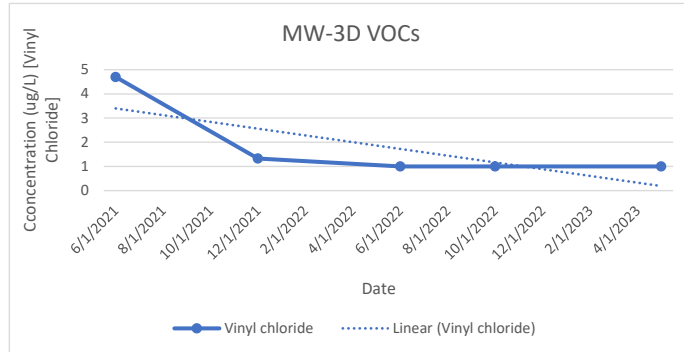
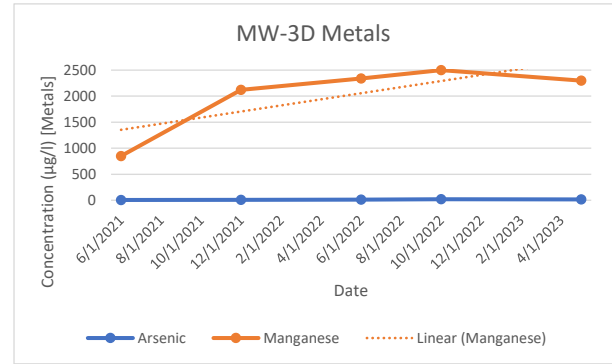
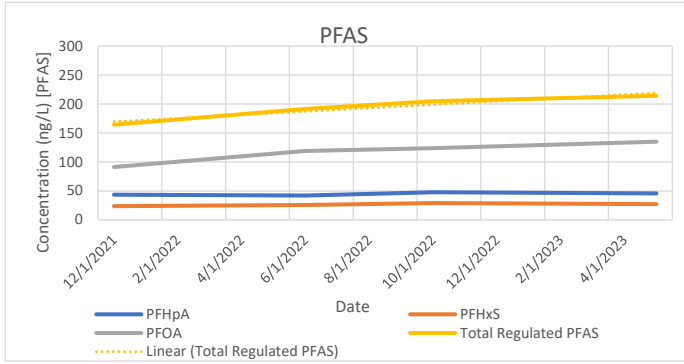
Table and Time Series C-17
MW-3S



Sample ID	VGES	MW-3S	MW-3S	MW-3S	MW-3S
Sample Date	CAS#	12/27/2021	Q	5/11/2022	Q
Analyte					
VOCs					
Chlorobenzene	108-90-7	100	1.12	1.00	U
Ethyl ether	60-29-7	NE	1.95	4.01	8.11
Tetrahydrofuran	109-99-9	NE	6.16	2.00	U
PFAS					
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	1.86	2.42	4.92
Perfluorobutanoic acid (PFBA)	375-22-4	NE	10.0	10.8	18.5
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	7.47	8.07	26.1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	6.83	4.08	9.89
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	11.8	15.8	37.3
Perfluorononanoic acid (PFNA)	375-95-1	20	1.72	1.88	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.72	1.97	2.2
Perfluorooctanoic acid (PFOA)	335-67-1	20	39.7	31.7	41.4
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	7.40	7.77	21.2
Total Regulated PFAS		20	54.0	45.8	79.6
Total Metals					
Arsenic	7440-38-2	10	133	36	12.9
Iron	7439-89-6	NE	15100	4020	1310
Manganese	7439-96-5T	300	2630	2930	4230
Sodium	7440-23-5	NE	37200	14400	29400
COD					
COD		NE	12	75	U
Chloride					
Chloride	16887-00-6	NE	10600	NA	35

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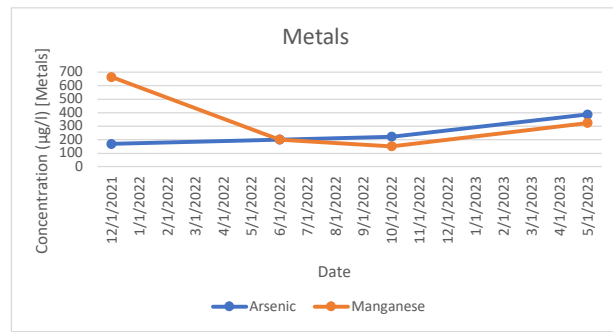
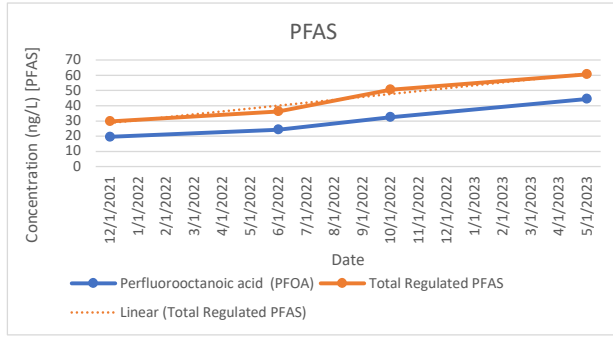
Table and Time Series C-18
MW-3D



Sample ID	VGES	MW-5 (MW-3D)	MW-3D	MW-3D	MW-3D	MW-3D	MW-3D				
Sample Date	CAS#	6/14/2021	Q	12/27/2021	Q	6/9/2022	Q	10/19/2022	Q	5/31/2023	Q
Analyte											
VOCs											
		(µg/l)									
Benzene	71-43-2	5	0.8	1.0	U	1.08	1.56	1.45			
Ethyl ether	60-29-7	NE	7.8	14.8		10	14.4	13.8			
Tetrahydrofuran	109-99-9	NE	21	42.6		19.8	39.9	35.9			
Toluene	108-88-3	1000	1.9	1.0	U	1.0	1	1	U	1	U
Vinyl chloride	75-01-4	2	4.7	1.33		1.0	1	1	U	1	U
PFAS											
		(ng/L)									
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	NE	NA	73.0		24.5	4.61	75.5			
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NA	3.69		5.00	5.00	4.41			
Perfluorobutanoic acid (PFBA)	375-22-4	NE	NA	28.1		27.4	26.4	26.8			
PFHpA	375-85-9	20	NA	43.7		42.1	47.8	45.7			
PFHxS	355-46-4	20	NA	23.8		25.8	29.1	27.2			
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA	59.4		58.6	61.7	70.1			
Perfluorononanoic acid (PFNA)	375-95-1	20	NA	1.82	U	1.83	1.81	1.8	U	1.8	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA	5.57		4.78	3.86	7.13			
PFOA	335-67-1	20	NA	91.3		119	124	135			
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NE	NA	3.83		4.5	4.91	5.19			
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	NA	26.0		28.5	31.6	29.6			
Total Regulated PFAS		20	NA	164.4		192	205	214.23			
Total Metals											
		(µg/l) (dissolved)									
Arsenic	7440-38-2	10	5.6	8.0	U	14	19.7	14.8			
Iron	7439-89-6	NE	NA	3340		4030	5080	3520			
Manganese	7439-96-5T	300	850	2120		2340	2500	2300			
Sodium	7440-23-5	NE	52000	97300		75400	79600	75400			
COD											
		(mg/L)									
COD		NE	28	38		75	75	75	U	75	U
Chloride											
		(µg/l)									
Chloride	16887-00-6	NE	33000	45900		35600	48.9	39500			

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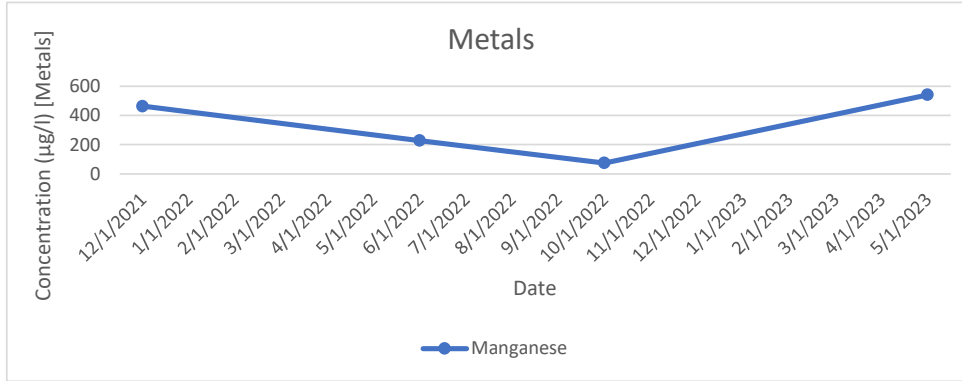
Table and Time Series C-19
MW-4S



Sample ID Sample Date	CAS#	VGES	MW-4S		MW-4S		MW-4S		MW-4S	
			12/23/2021	Q	6/7/2022	Q	10/19/2022	Q	5/30/2023	Q
Analyte										
VOCs			(µg/l)							
Benzene	71-43-2	5	2.20		2.30		3.37		3.22	
Chlorobenzene	108-90-7	100	1.0 U		2.46		1 U		2.79	+
Ethyl ether	60-29-7	NE	9.65		7.11		10.8		11	
Tetrahydrofuran	109-99-9	NE	7.43		2.0 U		2 U		11.9	
PFAS			(ng/L)							
Perfluorobutanoic acid (PFBA)	375-22-4	NE	9.04		8.95		10		9.23	
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	7.52		8.75		13.5		11.3	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	2.72		3.31		4.63		4.87	
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	11.1		11.6		17		16	
Perfluorononanoic acid (PFNA)	375-95-1	20	1.82 U		1.65 U		1.85 U		1.77 U	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.82 U		1.65 U		1.85 U		1.77 U	
Perfluorooctanoic acid (PFOA)	335-67-1	20	19.4		24.2		32.4		44.4	
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	3.97		5.81		7.15		4.97	
Total Regulated PFAS		20	29.6		36.3		50.5		60.57	
Total Metals			(µg/l)							
Arsenic	7440-38-2	10	169		201		223		386	
Iron	7439-89-6	NE	11100		13000		17600		33500	
Manganese	7439-96-5T	300	663		201		151		325	
Sodium	7440-23-5	NE	38100		18500		20300		33500	
COD			(mg/L)							
COD		NE	27		75 U		75 U		75 U	
Chloride			(µg/l)							
Chloride	16887-00-6	NE	9700		8700		7.5 U		15400	

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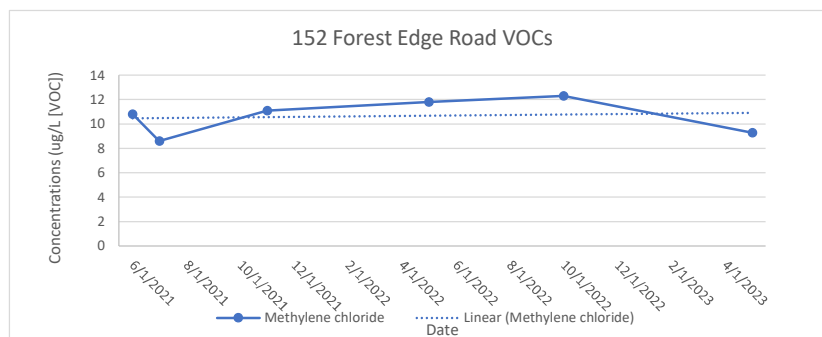
Table and Time Series C-20
MW-4D



Sample ID	VGES	MW-4D	MW-4D	MW-4D	MW-4D
Sample Date	CAS#	12/23/2021	Q	6/7/2022	Q
Analyte					
VOCs		(µg/l)			
Freon 12	75-71-8	NE	2.0 U	3.11	4.48
PFAS		(ng/L)			
Perfluorobutanoic acid (PFBA)	375-22-4	NE	12.0	1.84 U	5.23 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.95 U	1.84 U	2.09 U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.95 U	1.84 U	2.09 U
Perfluorononanoic acid (PFNA)	375-95-1	20	1.95 U	1.84 U	2.09 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.95 U	1.84 U	2.09 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	2.52	1.84 U	2.09 U
Total Regulated PFAS		20	2.5	1.84 U	2.09 U
Total Metals		(µg/l)			
Arsenic	7440-38-2	10	8.0 U	4	4 U
Iron	7439-89-6	NE	10100	7120	165
Manganese	7439-96-5T	300	463	227	74.8
Sodium	7440-23-5	NE	63800	9330	7490
COD		(mg/L)			
COD		NE	23	241	75 U
Chloride		(µg/l)			
Chloride	16887-00-6	NE	19500	2110	7.5 U

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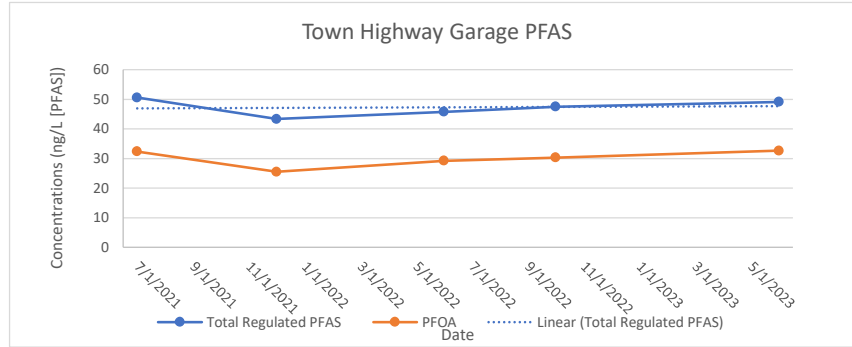
Table and Time Series C-21
152 Forest Edge Road



Sample ID	DWHA/ VGES	152 Forest Edge Rd	Turner (152 Forest Edge Rd)	152 Forest Edge Rd - Inf	152 Forest Edge Rd - INF	152 Forest Edge-INF	152 Forest Edge Rd-Inf	
Sample Date	CAS#	6/21/2021	7/20/2021	11/4/2021	5/17/2022	10/20/2022	5/31/2023	
Analyte		Q	Q	Q	Q	Q	Q	
VOCs	(µg/L)							
Ethyl ether	60-29-7	NE	5.3	5.0 U	NA	6.95	6.87	4.82
Methylene chloride	75-09-2	5	10.8	8.6	11.1	11.8	12.3	9.29
Tetrahydrofuran (THF)	109-99-9	NE	18.1	17.3	NA	16.6	16.9	14
PFAS	(ng/L)							
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA	2.93	2.79	2.70	2.14	2.24
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA	2.04 U	1.76 U	1.88 U	1.77 U	1.76 U
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA	5.84	5.60	4.53	3.95	4.64
Perfluorononanoic acid (PFNA)	375-95-1	20	NA	2.04 U	1.76 U	1.88 U	1.77 U	1.76 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA	2.04 U	1.76 U	1.88 U	1.77 U	1.76 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA	3.01	2.30	2.69	2.26	2.95
Total Regulated PFAS		20	NA	5.94	5.09	5.39	4.40	5.19

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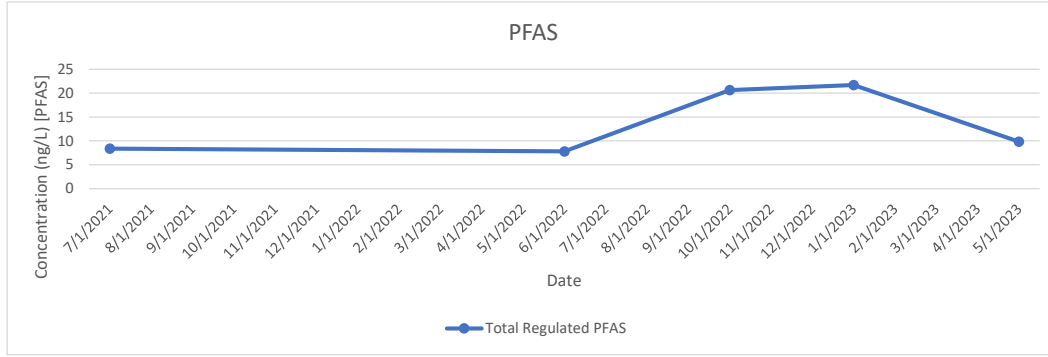
Table and Time Series C-22
Hinesburg Highway Garage



Sample ID	DWHA/ VGES	Hinesburg Highway Garage	Hinesburg Garage	907 Beecher - INF	907 Beecher- INF	907 Beecher- INF	907 Beecher Hill Rd-Inf
Sample Date		6/21/2021	7/20/2021	12/16/2021	6/7/2022	10/20/2022	6/1/2023
Analyte							
VOCs		(µg/l)					
Ethyl ether	60-29-7	NE	6.3	6.7	9.01	8.23	8.59
Freon 12	75-71-8	NE	5.0 U	5.0 U	2.59	2.84	3.17
Methyl tert-butyl ether	1634-04-4	11	2.0 U	2.0 U	1.01	0.847	1.02
Tetrahydrofuran	109-99-9	NE	23.7	24.3	28.0	18.8	22.6
PFAS		(ng/L)					
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NA	2.94	2.33	2.40	2.44
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA	10.8	11.4	9.89	10.5
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA	7.37	6.43	6.66	6.85
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA	18.8	16.1	16.1	16.5
Perfluorononanoic acid (PFNA)	375-95-1	20	NA	1.80 U	1.84 U	1.62 U	2.02 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA	1.80 U	1.84 U	1.62 U	2.02 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA	32.4	25.5	29.2	30.3
Total Regulated PFAS		20	NA	50.6	43.3	45.8	47.5

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Table and Time Series C-23
685 Beecher Hill Road/56 Forest Edge Road



Sample ID	Sample Date	DWHA/ VGES	685 Beecher Hill Rd		Hurd (685 Beecher Hill Rd)		56 Forest Edge		56 Forest Edge		56 Forest Edge		56 Forest Edge Rd-Inf	
			Q	Q	Q	Q	Q	Q	Q	Q				
Analyte														
VOCs		(µg/l)												
Chloroform	67-66-3	NE	1.0 U	1.0 U	0.662	0.991							0.5 U	
PFAS		(ng/L)												
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NA	2.21 U	1.68 U	1.96	1.97	1.84						
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA	2.21 U	1.68 U	4.97	3.15	1.74 U						
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA	2.21 U	1.68 U	3.51	1.81	1.74 U						
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA	2.21 U	1.68 U	3.99	2.38	2.24						
Perfluorononanoic acid (PFNA)	375-95-1	20	NA	2.21 U	1.68 U	1.89 U	1.7 U	1.74 U						
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA	3.71	4.46	4.75	3.94	3.95						
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA	4.68	3.35	7.40	12.8	5.88						
Total Regulated PFAS		20	NA	8.39	7.81	20.6	21.7	9.83						

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 NA- Not analyzed

Appendix D: Laboratory Analytical Reports



ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Katrina Mattice
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

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JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

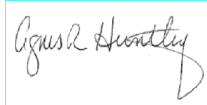
620-9587-1

Eurofins New England

Job Notes

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

Authorization



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Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)372-3482



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Definitions/Glossary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Qualifiers

LCMS

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

Case Narrative

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Job ID: 620-9587-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-9587-1

Receipt

The samples were received on 2/4/2023 12:52 PM. 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 0.8° C.

LCMS

Method 537.1 DW: The following target compound(s): Perfluorooctanesulfonic acid was detected in the following field reagent blank(s): FRB-012723 (620-9587-1). The field reagent blank(s) was re-extracted outside of the required holding time and the target compound(s) was no longer detected in the field reagent blank(s).

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

Organic Prep

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

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- 15

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: FRB-012723

Lab Sample ID: 620-9587-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid	2.27		1.72	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-9587-2

No Detections.

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-9587-3

No Detections.

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-9587-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	2.38		1.90	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	2.92		1.90	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	12.8		1.90	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	1.93		1.90	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.81		1.90	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 685 Beecher Hill-EFF

Lab Sample ID: 620-9587-5

No Detections.

Client Sample ID: 56 Forest Edge-INF-FD

Lab Sample ID: 620-9587-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	2.20		1.70	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	3.15		1.70	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	12.8		1.70	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	1.97		1.70	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	1.81		1.70	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.94		1.70	ng/L	1		EPA 537.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: FRB-012723

Lab Sample ID: 620-9587-1

Date Collected: 01/27/23 10:10

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluoroheptanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorooctanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorononanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorodecanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorotridecanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorotetradecanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorobutanesulfonic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorohexanesulfonic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorooctanesulfonic acid	2.27		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
NEtFOSAA	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
NMeFOSAA	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluoroundecanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Perfluorododecanoic acid	ND		1.72	ng/L		02/07/23 12:01	02/10/23 15:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	106		70 - 130			02/07/23 12:01	02/10/23 15:28	1
13C2 PFHxA	98		70 - 130			02/07/23 12:01	02/10/23 15:28	1
13C3 HFPO-DA	101		70 - 130			02/07/23 12:01	02/10/23 15:28	1
d5-NEtFOSAA	100		70 - 130			02/07/23 12:01	02/10/23 15:28	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 - RE

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluoroheptanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorooctanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorononanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorodecanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorotridecanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorotetradecanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorobutanesulfonic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorohexanesulfonic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorooctanesulfonic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
NEtFOSAA	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
NMeFOSAA	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluoroundecanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Perfluorododecanoic acid	ND	H	1.78	ng/L		02/17/23 08:46	02/24/23 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	99		70 - 130			02/17/23 08:46	02/24/23 16:49	1
13C2 PFHxA	104		70 - 130			02/17/23 08:46	02/24/23 16:49	1
13C3 HFPO-DA	110		70 - 130			02/17/23 08:46	02/24/23 16:49	1
d5-NEtFOSAA	113		70 - 130			02/17/23 08:46	02/24/23 16:49	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-9587-2

Date Collected: 01/27/23 10:12

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluoroheptanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorooctanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorononanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorodecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorotridecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorotetradecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorobutanesulfonic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorohexanesulfonic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorooctanesulfonic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
NEtFOSAA	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
NMeFOSAA	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluoroundecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1
Perfluorododecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	96		70 - 130	02/07/23 12:01	02/10/23 15:39	1
13C2 PFHxA	92		70 - 130	02/07/23 12:01	02/10/23 15:39	1
13C3 HFPO-DA	98		70 - 130	02/07/23 12:01	02/10/23 15:39	1
d5-NEtFOSAA	99		70 - 130	02/07/23 12:01	02/10/23 15:39	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-9587-3

Date Collected: 01/27/23 10:15

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluoroheptanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorooctanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorononanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorodecanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorotridecanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorotetradecanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorobutanesulfonic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorohexanesulfonic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorooctanesulfonic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
NEtFOSAA	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
NMeFOSAA	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluoroundecanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1
Perfluorododecanoic acid	ND		1.89	ng/L		02/07/23 12:01	02/10/23 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	102		70 - 130	02/07/23 12:01	02/10/23 15:51	1
13C2 PFHxA	98		70 - 130	02/07/23 12:01	02/10/23 15:51	1
13C3 HFPO-DA	97		70 - 130	02/07/23 12:01	02/10/23 15:51	1
d5-NEtFOSAA	94		70 - 130	02/07/23 12:01	02/10/23 15:51	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-9587-4

Date Collected: 01/27/23 10:19

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.38		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluoroheptanoic acid	2.92		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorooctanoic acid	12.8		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorononanoic acid	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorodecanoic acid	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorotridecanoic acid	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorotetradecanoic acid	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorobutanesulfonic acid	1.93		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorohexanesulfonic acid	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorooctanesulfonic acid	3.81		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
NEtFOSAA	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
NMeFOSAA	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluoroundecanoic acid	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Perfluorododecanoic acid	ND		1.90	ng/L		02/07/23 12:01	02/10/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	105		70 - 130			02/07/23 12:01	02/10/23 16:03	1
13C2 PFHxA	104		70 - 130			02/07/23 12:01	02/10/23 16:03	1
13C3 HFPO-DA	100		70 - 130			02/07/23 12:01	02/10/23 16:03	1
d5-NEtFOSAA	105		70 - 130			02/07/23 12:01	02/10/23 16:03	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: 685 Beecher Hill-EFF

Lab Sample ID: 620-9587-5

Date Collected: 01/27/23 11:14

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluoroheptanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorooctanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorononanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorodecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorotridecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorotetradecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorobutanesulfonic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorohexanesulfonic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorooctanesulfonic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
NEtFOSAA	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
NMeFOSAA	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluoroundecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Perfluorododecanoic acid	ND		1.82	ng/L		02/07/23 12:01	02/10/23 16:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130			02/07/23 12:01	02/10/23 16:14	1
13C2 PFHxA	98		70 - 130			02/07/23 12:01	02/10/23 16:14	1
13C3 HFPO-DA	97		70 - 130			02/07/23 12:01	02/10/23 16:14	1
d5-NEtFOSAA	103		70 - 130			02/07/23 12:01	02/10/23 16:14	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: 56 Forest Edge-INF-FD

Lab Sample ID: 620-9587-6

Date Collected: 01/27/23 11:41

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.20		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluoroheptanoic acid	3.15		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorooctanoic acid	12.8		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorononanoic acid	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorodecanoic acid	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorotridecanoic acid	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorotetradecanoic acid	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorobutanesulfonic acid	1.97		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorohexanesulfonic acid	1.81		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorooctanesulfonic acid	3.94		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
NEtFOSAA	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
NMeFOSAA	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluoroundecanoic acid	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1
Perfluorododecanoic acid	ND		1.70	ng/L		02/07/23 12:01	02/10/23 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	101		70 - 130	02/07/23 12:01	02/10/23 16:26	1
13C2 PFHxA	97		70 - 130	02/07/23 12:01	02/10/23 16:26	1
13C3 HFPO-DA	98		70 - 130	02/07/23 12:01	02/10/23 16:26	1
d5-NEtFOSAA	101		70 - 130	02/07/23 12:01	02/10/23 16:26	1

Surrogate Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		PFDA (70-130)	PFHxA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)
620-9587-1	FRB-012723	106	98	101	100
620-9587-1 - RE	FRB-012723	99	104	110	113
620-9587-2	56 Forest Edge-EFF	96	92	98	99
620-9587-3	56 Forest Edge-MID	102	98	97	94
620-9587-4	56 Forest Edge-INF	105	104	100	105
620-9587-5	685 Beecher Hill-EFF	98	98	97	103
620-9587-6	56 Forest Edge-INF-FD	101	97	98	101
LCS 410-342306/2-A	Lab Control Sample	98	99	100	89
LCS 410-345619/2-A	Lab Control Sample	100	98	108	99
LCSD 410-342306/3-A	Lab Control Sample Dup	98	94	98	103
MB 410-342306/1-A	Method Blank	94	94	92	105
MB 410-345619/1-A	Method Blank	116	123	128	112

Surrogate Legend

- PFDA = 13C2 PFDA
- PFHxA = 13C2 PFHxA
- HFPODA = 13C3 HFPO-DA
- d5NEFOS = d5-NEtFOSAA



QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Lab Sample ID: MB 410-342306/1-A
Matrix: Drinking Water
Analysis Batch: 343510

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 342306

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluoroheptanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorooctanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorononanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorodecanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorotridecanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
NEtFOSAA	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
NMeFOSAA	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluoroundecanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1
Perfluorododecanoic acid	ND		2.00	ng/L		02/07/23 12:01	02/10/23 12:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	94		70 - 130	02/07/23 12:01	02/10/23 12:22	1
13C2 PFHxA	94		70 - 130	02/07/23 12:01	02/10/23 12:22	1
13C3 HFPO-DA	92		70 - 130	02/07/23 12:01	02/10/23 12:22	1
d5-NEtFOSAA	105		70 - 130	02/07/23 12:01	02/10/23 12:22	1

Lab Sample ID: LCS 410-342306/2-A
Matrix: Drinking Water
Analysis Batch: 343510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 342306

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Perfluorohexanoic acid	80.0	77.51		ng/L		97	70 - 130
Perfluoroheptanoic acid	80.0	80.11	E	ng/L		100	70 - 130
Perfluorooctanoic acid	80.0	78.46		ng/L		98	70 - 130
Perfluorononanoic acid	80.0	79.82		ng/L		100	70 - 130
Perfluorodecanoic acid	80.0	79.63		ng/L		100	70 - 130
Perfluorotridecanoic acid	80.0	77.00		ng/L		96	70 - 130
Perfluorotetradecanoic acid	80.0	91.07	E	ng/L		114	70 - 130
Perfluorobutanesulfonic acid	70.8	67.46		ng/L		95	70 - 130
Perfluorohexanesulfonic acid	73.0	66.09		ng/L		91	70 - 130
Perfluorooctanesulfonic acid	74.0	64.92		ng/L		88	70 - 130
NEtFOSAA	80.0	69.57		ng/L		87	70 - 130
NMeFOSAA	80.0	64.38		ng/L		80	70 - 130
Perfluoroundecanoic acid	80.0	71.92		ng/L		90	70 - 130
Perfluorododecanoic acid	80.0	72.31		ng/L		90	70 - 130
HFPODA	80.0	76.27		ng/L		95	70 - 130
9CI-PF3ONS	74.4	64.17		ng/L		86	70 - 130
11CI-PF3OUdS	74.4	59.66		ng/L		80	70 - 130
DONA	75.6	70.02		ng/L		93	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
13C2 PFDA	98		70 - 130
13C2 PFHxA	99		70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LCS 410-342306/2-A
Matrix: Drinking Water
Analysis Batch: 343510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 342306

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	100		70 - 130
d5-NEtFOSAA	89		70 - 130

Lab Sample ID: LCSD 410-342306/3-A
Matrix: Drinking Water
Analysis Batch: 343510

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 342306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	80.0	74.92		ng/L		94	70 - 130	3	30	
Perfluoroheptanoic acid	80.0	82.16	E	ng/L		103	70 - 130	3	30	
Perfluorooctanoic acid	80.0	79.75		ng/L		100	70 - 130	2	30	
Perfluorononanoic acid	80.0	78.85		ng/L		99	70 - 130	1	30	
Perfluorodecanoic acid	80.0	79.55		ng/L		99	70 - 130	0	30	
Perfluorotridecanoic acid	80.0	73.13		ng/L		91	70 - 130	5	30	
Perfluorotetradecanoic acid	80.0	93.99	E	ng/L		117	70 - 130	3	30	
Perfluorobutanesulfonic acid	70.8	66.29		ng/L		94	70 - 130	2	30	
Perfluorohexanesulfonic acid	73.0	68.90		ng/L		94	70 - 130	4	30	
Perfluorooctanesulfonic acid	74.0	65.20		ng/L		88	70 - 130	0	30	
NEtFOSAA	80.0	85.83	E	ng/L		107	70 - 130	21	30	
NMeFOSAA	80.0	74.50		ng/L		93	70 - 130	15	30	
Perfluoroundecanoic acid	80.0	73.07		ng/L		91	70 - 130	2	30	
Perfluorododecanoic acid	80.0	75.77		ng/L		95	70 - 130	5	30	
HFPODA	80.0	78.27		ng/L		98	70 - 130	3	30	
9CI-PF3ONS	74.4	67.48		ng/L		91	70 - 130	5	30	
11CI-PF3OUdS	74.4	60.15		ng/L		81	70 - 130	1	30	
DONA	75.6	70.36		ng/L		93	70 - 130	0	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	98		70 - 130
13C2 PFHxA	94		70 - 130
13C3 HFPO-DA	98		70 - 130
d5-NEtFOSAA	103		70 - 130

Lab Sample ID: MB 410-345619/1-A
Matrix: Drinking Water
Analysis Batch: 348002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345619

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluoroheptanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorooctanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorononanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorodecanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorotridecanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: MB 410-345619/1-A
Matrix: Drinking Water
Analysis Batch: 348002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345619

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
NMeFOSAA	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluoroundecanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1
Perfluorododecanoic acid	ND		2.00	ng/L		02/17/23 08:46	02/26/23 15:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	116		70 - 130	02/17/23 08:46	02/26/23 15:40	1
13C2 PFHxA	123		70 - 130	02/17/23 08:46	02/26/23 15:40	1
13C3 HFPO-DA	128		70 - 130	02/17/23 08:46	02/26/23 15:40	1
d5-NEtFOSAA	112		70 - 130	02/17/23 08:46	02/26/23 15:40	1

Lab Sample ID: LCS 410-345619/2-A
Matrix: Drinking Water
Analysis Batch: 348002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	20.5	17.39		ng/L		85	70 - 130
Perfluoroheptanoic acid	20.5	17.71		ng/L		86	70 - 130
Perfluorooctanoic acid	20.5	17.98		ng/L		88	70 - 130
Perfluorononanoic acid	20.5	18.57		ng/L		91	70 - 130
Perfluorodecanoic acid	20.5	18.93		ng/L		92	70 - 130
Perfluorotridecanoic acid	20.5	17.79		ng/L		87	70 - 130
Perfluorotetradecanoic acid	20.5	19.65		ng/L		96	70 - 130
Perfluorobutanesulfonic acid	18.1	13.47		ng/L		74	70 - 130
Perfluorohexanesulfonic acid	18.7	16.07		ng/L		86	70 - 130
Perfluorooctanesulfonic acid	19.0	16.55		ng/L		87	70 - 130
NEtFOSAA	20.5	18.17		ng/L		89	70 - 130
NMeFOSAA	20.5	18.76		ng/L		92	70 - 130
Perfluoroundecanoic acid	20.5	18.31		ng/L		89	70 - 130
Perfluorododecanoic acid	20.5	15.52		ng/L		76	70 - 130
HFPODA	20.5	19.78		ng/L		97	70 - 130
9Cl-PF3ONS	19.0	15.45		ng/L		81	70 - 130
11Cl-PF3OUdS	19.0	17.09		ng/L		90	70 - 130
DONA	19.4	17.61		ng/L		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	100		70 - 130
13C2 PFHxA	98		70 - 130
13C3 HFPO-DA	108		70 - 130
d5-NEtFOSAA	99		70 - 130

QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

LCMS

Prep Batch: 342306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-9587-1	FRB-012723	Total/NA	Drinking Water	537.1 DW Prep	
620-9587-2	56 Forest Edge-EFF	Total/NA	Drinking Water	537.1 DW Prep	
620-9587-3	56 Forest Edge-MID	Total/NA	Drinking Water	537.1 DW Prep	
620-9587-4	56 Forest Edge-INF	Total/NA	Drinking Water	537.1 DW Prep	
620-9587-5	685 Beecher Hill-EFF	Total/NA	Drinking Water	537.1 DW Prep	
620-9587-6	56 Forest Edge-INF-FD	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-342306/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-342306/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-342306/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 343510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-9587-1	FRB-012723	Total/NA	Drinking Water	EPA 537.1	342306
620-9587-2	56 Forest Edge-EFF	Total/NA	Drinking Water	EPA 537.1	342306
620-9587-3	56 Forest Edge-MID	Total/NA	Drinking Water	EPA 537.1	342306
620-9587-4	56 Forest Edge-INF	Total/NA	Drinking Water	EPA 537.1	342306
620-9587-5	685 Beecher Hill-EFF	Total/NA	Drinking Water	EPA 537.1	342306
620-9587-6	56 Forest Edge-INF-FD	Total/NA	Drinking Water	EPA 537.1	342306
MB 410-342306/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	342306
LCS 410-342306/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	342306
LCSD 410-342306/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	342306

Prep Batch: 345619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-9587-1 - RE	FRB-012723	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-345619/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-345619/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 347740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-9587-1 - RE	FRB-012723	Total/NA	Drinking Water	EPA 537.1	345619

Analysis Batch: 348002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-345619/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	345619
LCS 410-345619/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	345619

Lab Chronicle

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Client Sample ID: FRB-012723

Lab Sample ID: 620-9587-1

Date Collected: 01/27/23 10:10

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			342306	HQ8B	ELLE	02/07/23 12:01
Total/NA	Analysis	EPA 537.1		1	343510	TAS6	ELLE	02/10/23 15:28
Total/NA	Prep	537.1 DW Prep	RE		345619	HQ8B	ELLE	02/17/23 08:46
Total/NA	Analysis	EPA 537.1	RE	1	347740	TAS6	ELLE	02/24/23 16:49

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-9587-2

Date Collected: 01/27/23 10:12

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			342306	HQ8B	ELLE	02/07/23 12:01
Total/NA	Analysis	EPA 537.1		1	343510	TAS6	ELLE	02/10/23 15:39

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-9587-3

Date Collected: 01/27/23 10:15

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			342306	HQ8B	ELLE	02/07/23 12:01
Total/NA	Analysis	EPA 537.1		1	343510	TAS6	ELLE	02/10/23 15:51

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-9587-4

Date Collected: 01/27/23 10:19

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			342306	HQ8B	ELLE	02/07/23 12:01
Total/NA	Analysis	EPA 537.1		1	343510	TAS6	ELLE	02/10/23 16:03

Client Sample ID: 685 Beecher Hill-EFF

Lab Sample ID: 620-9587-5

Date Collected: 01/27/23 11:14

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			342306	HQ8B	ELLE	02/07/23 12:01
Total/NA	Analysis	EPA 537.1		1	343510	TAS6	ELLE	02/10/23 16:14

Client Sample ID: 56 Forest Edge-INF-FD

Lab Sample ID: 620-9587-6

Date Collected: 01/27/23 11:41

Matrix: Drinking Water

Date Received: 02/04/23 12:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			342306	HQ8B	ELLE	02/07/23 12:01
Total/NA	Analysis	EPA 537.1		1	343510	TAS6	ELLE	02/10/23 16:26

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins New England

Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-23

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Method Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Method	Method Description	Protocol	Laboratory
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-9587-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-9587-1	FRB-012723	Drinking Water	01/27/23 10:10	02/04/23 12:52
620-9587-2	56 Forest Edge-EFF	Drinking Water	01/27/23 10:12	02/04/23 12:52
620-9587-3	56 Forest Edge-MID	Drinking Water	01/27/23 10:15	02/04/23 12:52
620-9587-4	56 Forest Edge-INF	Drinking Water	01/27/23 10:19	02/04/23 12:52
620-9587-5	685 Beecher Hill-EFF	Drinking Water	01/27/23 11:14	02/04/23 12:52
620-9587-6	56 Forest Edge-INF-FD	Drinking Water	01/27/23 11:41	02/04/23 12:52

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620-9587 Chain of Custody

OF CUSTODY RECORD

New England

Special Handling:
 Standard TAT 7 to 10 business days
 Rush TAT Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Ston Environmental
535 Stone Cutters Way
Montpelier, VT 05602

Invoice To: accounting@stone-env.com

Project No: 20211205
Site Name: Hinsburg Landfill
Location: Hinsburg State: VT
Sampler(s): Sandra Waters

Telephone #: _____
Project Mgr: Katrina Maffice
PO No: _____ Quote #: _____

1=Na₂S₂O₃, 2=HCl, 3=H₂SO₄, 4=HNO₃, 5=NaOH, 6=Ascorbic Acid
7=Cl₂SO₄, 8=Na₂SO₄, 9=Deionized Water, 10=H₂O, 11=INZMA, 12=_____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

Containers

of VOA Vials
of Amber Glass
of Clear Glass
of Plastic

List Preservative Code below:

Matrix

QA/QC Reporting Notes:
* additional charges may apply

Lab ID:	Sample ID:	Date:	Time:	Type	Containers				Temp °C	
					# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		
1	FRB-012723	1/27/23	1010	G DW				2	PEAK 937.1	
2	56 Forest Edge-EFF		1012					2		
3	56 Forest Edge-HID		1015					2		
4	56 Forest Edge-TNF		1019					2		
5	685 Beecher Hill-EFF		1114					2		
6	56 Forest Edge-TNEFD		1141					2		

Relinquished by: _____ Received by: _____

EDD Format: Egns EDD and PDF
E-mail to: Kmattice@stone-env.com

Condition upon receipt: Ambient Ice Refrigerated VOA Frozen Soil Jar Frozen
 Present Inlet Broken

Sample Shipping Address: 126 Myron Street • West Springfield, MA 01089 • 413-785-9018
Lab Address: 646 Camp Ave • North Kingstown, RI 02852
www.EurofinsUS.com/Spectrum

0.86

Rev. Jan 2020



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: Huntley, Agnes R	Lab PM: Huntley, Agnes R	Carrier Tracking No(s)	COC No: 620-8208.1					
Client Contact: Shipping/Receiving		Phone:	E-Mail: Agnes.Huntley@et.eurofinsus.com	State of Origin: Vermont	Page: Page 1 of 1					
Company: Eurofins Lancaster Laboratories Environm			Accreditations Required (See note): State - Vermont		Job #: 620-9587-1					
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email:		Due Date Requested: 2/23/2023	Analysis Requested			Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:				
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:		TAT Requested (days):								
PO #:		WO #:	Field Filtered Sample (Yes or No)							
Project #: 62000809		SSOW#:	Perform MS/MSD (Yes or No)							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, An=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	537.1_DWI/537.1_DIW_Prep DW EPA 537.1 List of 18	Total Number of containers	Special Instructions/Note:
FRB-012723 (620-9587-1)		1/27/23	10:10 Eastern	Drinking Water		X			2	VT VGES/MCL
56 Forest Edge-EFF (620-9587-2)		1/27/23	10:12 Eastern	Drinking Water		X			2	VT VGES/MCL
56 Forest Edge-MID (620-9587-3)		1/27/23	10:15 Eastern	Drinking Water		X			2	VT VGES/MCL
56 Forest Edge-INF (620-9587-4)		1/27/23	10:19 Eastern	Drinking Water		X			2	VT VGES/MCL
685 Beecher Hill-EFF (620-9587-5)		1/27/23	11:14 Eastern	Drinking Water		X			2	VT VGES/MCL
56 Forest Edge-INF-FD (620-9587-6)		1/27/23	11:41 Eastern	Drinking Water		X			2	VT VGES/MCL
<p>Note: Since laboratory accreditabons are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.</p>										
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		Special Instructions/QC Requirements					
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:						
Relinquished by	Date/Time	Company	Received by	Date/Time	Company					
Relinquished by	Date/Time	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: 0-9								

(B) Samples rec'd 2/4/23 1252 w/ client COC





Environment Testing
New England

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
 Standard TAT - 7 to 10 business days

Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: Stone Environmental
535 Stone Cutters Way
Montpelier, VT 05602

Invoice To: accounting@stone-env.com

Project No: 20211205

Site Name: Hinesburg Landfill

Location: Hinesburg State: VT

Sampler(s): Sandra Walter

Telephone #: _____
Project Mgr: Katrina Mattice

PO No.: _____ Quote #: _____

F=Field Filtered 1=Na₂S₂O₈ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₂PO₄ 11=Trizma 12=_____

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1=_____ X2=_____ X3=_____

Containers

Analysis

G= Grab

C= Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis	Check if chlorinated
	FRB-012723	1/27/23	1010	G	DW				2	PFAS 537.1	<input checked="" type="checkbox"/>
	56 Forest Edge-EFF	↓	1012	↓	↓				2	X	<input type="checkbox"/>
	56 Forest Edge-MID	↓	1015	↓	↓				2	X	<input type="checkbox"/>
	56 Forest Edge-TNF	↓	1019	↓	↓				2	X	<input type="checkbox"/>
	685 Beecher Hill-EFF	↓	1114	↓	↓				2	X	<input type="checkbox"/>
	56 Forest Edge-TNF-FD	↓	1141	↓	↓				2	X	<input type="checkbox"/>

Relinquished by:	Received by:	Date:	Time:	Temp °C
<u>Sarah Walsh</u>	<u>[Signature]</u>	1/27/23	1405	Observed
		1/31/23	1625	Correction Factor
				Corrected
	<u>[Signature]</u>	2-4-23	1252	IR ID #

EDD format: Equis EDD and PDF
 E-mail to: Kmattice@stone-env.com

Condition upon receipt: Custody Seals: Present Intact Broken
 Ambient Iced Refrigerated DI VOA Frozen Soil Jar Frozen

Sample Shipping Address: 126 Myron Street • West Springfield, MA 01089 • 413-789-9018
 Lab Address: 646 Camp Ave • North Kingstown, RI 02852
 www.EurofinsUS.com/Spectrum

0.8°C

Rev. Jan 2020

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-9587-1

Login Number: 9587

List Source: Eurofins New England

List Number: 1

Creator: Makhoul, Elie

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.	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	
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: Stone Environmental

Job Number: 620-9587-1

Login Number: 9587

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 02/06/23 09:07 PM

Creator: Metzger, Katherine A

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Katrina Mattice
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 4/17/2023 8:38:31 AM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-10429-1

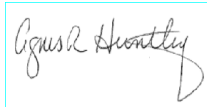
Eurofins New England

Job Notes

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

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

Authorization



Generated
4/17/2023 8:38:31 AM

Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)372-3482



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Definitions/Glossary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Job ID: 620-10429-1

Laboratory: Eurofins New England

Narrative

**Job Narrative
620-10429-1**

Receipt

The samples were received on 3/23/2023 9:26 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 time was 1.2°C

GC/MS VOA

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

PFAS

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



Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 794 Beecher Hill Rd **Lab Sample ID: 620-10429-1**

No Detections.

Client Sample ID: 182 Forest Edge Rd **Lab Sample ID: 620-10429-2**

No Detections.

Client Sample ID: 413 North Rd **Lab Sample ID: 620-10429-3**

No Detections.

Client Sample ID: 490 North Rd **Lab Sample ID: 620-10429-4**

No Detections.

Client Sample ID: 490 North Rd-FRB **Lab Sample ID: 620-10429-5**

No Detections.

Client Sample ID: 490 North Rd-FD **Lab Sample ID: 620-10429-6**

No Detections.

Client Sample ID: TB-032123 **Lab Sample ID: 620-10429-7**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins New England



Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 794 Beecher Hill Rd

Lab Sample ID: 620-10429-1

Date Collected: 03/21/23 13:41

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 19:13	1
1,1,1-Trichloroethane	ND		0.500	ug/L			03/29/23 19:13	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 19:13	1
1,1,2-Trichloroethane	ND		0.500	ug/L			03/29/23 19:13	1
1,1-Dichloroethane	ND		0.500	ug/L			03/29/23 19:13	1
1,1-Dichloroethene	ND		0.500	ug/L			03/29/23 19:13	1
1,1-Dichloropropene	ND		0.500	ug/L			03/29/23 19:13	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			03/29/23 19:13	1
1,2,3-Trichloropropane	ND		0.500	ug/L			03/29/23 19:13	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			03/29/23 19:13	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			03/29/23 19:13	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			03/29/23 19:13	1
1,2-Dibromoethane	ND		0.500	ug/L			03/29/23 19:13	1
1,2-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:13	1
1,2-Dichloroethane	ND		0.500	ug/L			03/29/23 19:13	1
1,2-Dichloropropane	ND		0.500	ug/L			03/29/23 19:13	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			03/29/23 19:13	1
1,3-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:13	1
1,3-Dichloropropane	ND		0.500	ug/L			03/29/23 19:13	1
1,4-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:13	1
2,2-Dichloropropane	ND		0.500	ug/L			03/29/23 19:13	1
2-Butanone	ND		5.00	ug/L			03/29/23 19:13	1
2-Chlorotoluene	ND		0.500	ug/L			03/29/23 19:13	1
2-Hexanone	ND		5.00	ug/L			03/29/23 19:13	1
4-Chlorotoluene	ND		0.500	ug/L			03/29/23 19:13	1
4-Methyl-2-pentanone	ND		5.00	ug/L			03/29/23 19:13	1
Acetone	ND		10.0	ug/L			03/29/23 19:13	1
Acrylonitrile	ND		10.0	ug/L			03/29/23 19:13	1
Benzene	ND		0.500	ug/L			03/29/23 19:13	1
Bromobenzene	ND		0.500	ug/L			03/29/23 19:13	1
Bromochloromethane	ND		0.500	ug/L			03/29/23 19:13	1
Bromodichloromethane	ND		0.500	ug/L			03/29/23 19:13	1
Bromoform	ND		0.500	ug/L			03/29/23 19:13	1
Bromomethane	ND		0.500	ug/L			03/29/23 19:13	1
Carbon disulfide	ND		2.00	ug/L			03/29/23 19:13	1
Carbon tetrachloride	ND		0.500	ug/L			03/29/23 19:13	1
Chlorobenzene	ND		0.500	ug/L			03/29/23 19:13	1
Chloroethane	ND		0.500	ug/L			03/29/23 19:13	1
Chloroform	ND		0.500	ug/L			03/29/23 19:13	1
Chloromethane	ND		0.500	ug/L			03/29/23 19:13	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 19:13	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 19:13	1
Dibromochloromethane	ND		0.500	ug/L			03/29/23 19:13	1
Dibromomethane	ND		0.500	ug/L			03/29/23 19:13	1
Dichlorodifluoromethane	ND		0.500	ug/L			03/29/23 19:13	1
di-Isopropyl ether	ND		0.500	ug/L			03/29/23 19:13	1
Ethyl ether	ND		0.500	ug/L			03/29/23 19:13	1
Ethyl t-butyl ether	ND		0.500	ug/L			03/29/23 19:13	1
Ethylbenzene	ND		0.500	ug/L			03/29/23 19:13	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 794 Beecher Hill Rd

Lab Sample ID: 620-10429-1

Date Collected: 03/21/23 13:41

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			03/29/23 19:13	1
Hexachlorobutadiene	ND		0.500	ug/L			03/29/23 19:13	1
Isopropylbenzene	ND		0.500	ug/L			03/29/23 19:13	1
m&p-Xylene	ND		1.00	ug/L			03/29/23 19:13	1
Methyl tertiary butyl ether	ND		0.500	ug/L			03/29/23 19:13	1
Methylene Chloride	ND		0.500	ug/L			03/29/23 19:13	1
Naphthalene	ND		0.500	ug/L			03/29/23 19:13	1
n-Butylbenzene	ND		0.500	ug/L			03/29/23 19:13	1
N-Propylbenzene	ND		0.500	ug/L			03/29/23 19:13	1
o-Xylene	ND		0.500	ug/L			03/29/23 19:13	1
p-Isopropyltoluene	ND		0.500	ug/L			03/29/23 19:13	1
sec-Butylbenzene	ND		0.500	ug/L			03/29/23 19:13	1
Styrene	ND		0.500	ug/L			03/29/23 19:13	1
t-Amyl methyl ether	ND		0.500	ug/L			03/29/23 19:13	1
t-Butyl alcohol	ND		25.0	ug/L			03/29/23 19:13	1
tert-Butylbenzene	ND		0.500	ug/L			03/29/23 19:13	1
Tetrachloroethene	ND		0.500	ug/L			03/29/23 19:13	1
Tetrahydrofuran	ND		7.00	ug/L			03/29/23 19:13	1
Toluene	ND		0.500	ug/L			03/29/23 19:13	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 19:13	1
Trichloroethene	ND		0.500	ug/L			03/29/23 19:13	1
Trichlorofluoromethane	ND		0.500	ug/L			03/29/23 19:13	1
Vinyl chloride	ND		0.500	ug/L			03/29/23 19:13	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	103		80 - 120		03/29/23 19:13	1
4-Bromofluorobenzene (Surr)	99		80 - 120		03/29/23 19:13	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluoroheptanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorooctanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorononanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorodecanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorotridecanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorotetradecanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorobutanesulfonic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorohexanesulfonic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorooctanesulfonic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
NEtFOSAA	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
NMeFOSAA	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluoroundecanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1
Perfluorododecanoic acid	ND		1.71	ng/L		03/27/23 10:27	04/15/23 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	97		70 - 130	03/27/23 10:27	04/15/23 05:49	1
13C2 PFHxA	90		70 - 130	03/27/23 10:27	04/15/23 05:49	1
13C3 HFPO-DA	89		70 - 130	03/27/23 10:27	04/15/23 05:49	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 794 Beecher Hill Rd

Lab Sample ID: 620-10429-1

Date Collected: 03/21/23 13:41

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	82		70 - 130	03/27/23 10:27	04/15/23 05:49	1

- 1
- 2
- 3
- 4
- 5
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 182 Forest Edge Rd

Lab Sample ID: 620-10429-2

Date Collected: 03/21/23 14:20

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 19:36	1
1,1,1-Trichloroethane	ND		0.500	ug/L			03/29/23 19:36	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 19:36	1
1,1,2-Trichloroethane	ND		0.500	ug/L			03/29/23 19:36	1
1,1-Dichloroethane	ND		0.500	ug/L			03/29/23 19:36	1
1,1-Dichloroethene	ND		0.500	ug/L			03/29/23 19:36	1
1,1-Dichloropropene	ND		0.500	ug/L			03/29/23 19:36	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			03/29/23 19:36	1
1,2,3-Trichloropropane	ND		0.500	ug/L			03/29/23 19:36	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			03/29/23 19:36	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			03/29/23 19:36	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			03/29/23 19:36	1
1,2-Dibromoethane	ND		0.500	ug/L			03/29/23 19:36	1
1,2-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:36	1
1,2-Dichloroethane	ND		0.500	ug/L			03/29/23 19:36	1
1,2-Dichloropropane	ND		0.500	ug/L			03/29/23 19:36	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			03/29/23 19:36	1
1,3-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:36	1
1,3-Dichloropropane	ND		0.500	ug/L			03/29/23 19:36	1
1,4-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:36	1
2,2-Dichloropropane	ND		0.500	ug/L			03/29/23 19:36	1
2-Butanone	ND		5.00	ug/L			03/29/23 19:36	1
2-Chlorotoluene	ND		0.500	ug/L			03/29/23 19:36	1
2-Hexanone	ND		5.00	ug/L			03/29/23 19:36	1
4-Chlorotoluene	ND		0.500	ug/L			03/29/23 19:36	1
4-Methyl-2-pentanone	ND		5.00	ug/L			03/29/23 19:36	1
Acetone	ND		10.0	ug/L			03/29/23 19:36	1
Acrylonitrile	ND		10.0	ug/L			03/29/23 19:36	1
Benzene	ND		0.500	ug/L			03/29/23 19:36	1
Bromobenzene	ND		0.500	ug/L			03/29/23 19:36	1
Bromochloromethane	ND		0.500	ug/L			03/29/23 19:36	1
Bromodichloromethane	ND		0.500	ug/L			03/29/23 19:36	1
Bromoform	ND		0.500	ug/L			03/29/23 19:36	1
Bromomethane	ND		0.500	ug/L			03/29/23 19:36	1
Carbon disulfide	ND		2.00	ug/L			03/29/23 19:36	1
Carbon tetrachloride	ND		0.500	ug/L			03/29/23 19:36	1
Chlorobenzene	ND		0.500	ug/L			03/29/23 19:36	1
Chloroethane	ND		0.500	ug/L			03/29/23 19:36	1
Chloroform	ND		0.500	ug/L			03/29/23 19:36	1
Chloromethane	ND		0.500	ug/L			03/29/23 19:36	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 19:36	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 19:36	1
Dibromochloromethane	ND		0.500	ug/L			03/29/23 19:36	1
Dibromomethane	ND		0.500	ug/L			03/29/23 19:36	1
Dichlorodifluoromethane	ND		0.500	ug/L			03/29/23 19:36	1
di-Isopropyl ether	ND		0.500	ug/L			03/29/23 19:36	1
Ethyl ether	ND		0.500	ug/L			03/29/23 19:36	1
Ethyl t-butyl ether	ND		0.500	ug/L			03/29/23 19:36	1
Ethylbenzene	ND		0.500	ug/L			03/29/23 19:36	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 182 Forest Edge Rd

Lab Sample ID: 620-10429-2

Date Collected: 03/21/23 14:20

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			03/29/23 19:36	1
Hexachlorobutadiene	ND		0.500	ug/L			03/29/23 19:36	1
Isopropylbenzene	ND		0.500	ug/L			03/29/23 19:36	1
m&p-Xylene	ND		1.00	ug/L			03/29/23 19:36	1
Methyl tertiary butyl ether	ND		0.500	ug/L			03/29/23 19:36	1
Methylene Chloride	ND		0.500	ug/L			03/29/23 19:36	1
Naphthalene	ND		0.500	ug/L			03/29/23 19:36	1
n-Butylbenzene	ND		0.500	ug/L			03/29/23 19:36	1
N-Propylbenzene	ND		0.500	ug/L			03/29/23 19:36	1
o-Xylene	ND		0.500	ug/L			03/29/23 19:36	1
p-Isopropyltoluene	ND		0.500	ug/L			03/29/23 19:36	1
sec-Butylbenzene	ND		0.500	ug/L			03/29/23 19:36	1
Styrene	ND		0.500	ug/L			03/29/23 19:36	1
t-Amyl methyl ether	ND		0.500	ug/L			03/29/23 19:36	1
t-Butyl alcohol	ND		25.0	ug/L			03/29/23 19:36	1
tert-Butylbenzene	ND		0.500	ug/L			03/29/23 19:36	1
Tetrachloroethene	ND		0.500	ug/L			03/29/23 19:36	1
Tetrahydrofuran	ND		7.00	ug/L			03/29/23 19:36	1
Toluene	ND		0.500	ug/L			03/29/23 19:36	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 19:36	1
Trichloroethene	ND		0.500	ug/L			03/29/23 19:36	1
Trichlorofluoromethane	ND		0.500	ug/L			03/29/23 19:36	1
Vinyl chloride	ND		0.500	ug/L			03/29/23 19:36	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120		03/29/23 19:36	1
4-Bromofluorobenzene (Surr)	98		80 - 120		03/29/23 19:36	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluoroheptanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorooctanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorononanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorodecanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorotridecanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorotetradecanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorobutanesulfonic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorohexanesulfonic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorooctanesulfonic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
NEtFOSAA	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
NMeFOSAA	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluoroundecanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1
Perfluorododecanoic acid	ND		1.78	ng/L		03/27/23 10:27	04/15/23 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	96		70 - 130	03/27/23 10:27	04/15/23 05:59	1
13C2 PFHxA	96		70 - 130	03/27/23 10:27	04/15/23 05:59	1
13C3 HFPO-DA	86		70 - 130	03/27/23 10:27	04/15/23 05:59	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 182 Forest Edge Rd

Lab Sample ID: 620-10429-2

Date Collected: 03/21/23 14:20

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	83		70 - 130	03/27/23 10:27	04/15/23 05:59	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 413 North Rd

Lab Sample ID: 620-10429-3

Date Collected: 03/21/23 14:51

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 19:58	1
1,1,1-Trichloroethane	ND		0.500	ug/L			03/29/23 19:58	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 19:58	1
1,1,2-Trichloroethane	ND		0.500	ug/L			03/29/23 19:58	1
1,1-Dichloroethane	ND		0.500	ug/L			03/29/23 19:58	1
1,1-Dichloroethene	ND		0.500	ug/L			03/29/23 19:58	1
1,1-Dichloropropene	ND		0.500	ug/L			03/29/23 19:58	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			03/29/23 19:58	1
1,2,3-Trichloropropane	ND		0.500	ug/L			03/29/23 19:58	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			03/29/23 19:58	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			03/29/23 19:58	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			03/29/23 19:58	1
1,2-Dibromoethane	ND		0.500	ug/L			03/29/23 19:58	1
1,2-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:58	1
1,2-Dichloroethane	ND		0.500	ug/L			03/29/23 19:58	1
1,2-Dichloropropane	ND		0.500	ug/L			03/29/23 19:58	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			03/29/23 19:58	1
1,3-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:58	1
1,3-Dichloropropane	ND		0.500	ug/L			03/29/23 19:58	1
1,4-Dichlorobenzene	ND		0.500	ug/L			03/29/23 19:58	1
2,2-Dichloropropane	ND		0.500	ug/L			03/29/23 19:58	1
2-Butanone	ND		5.00	ug/L			03/29/23 19:58	1
2-Chlorotoluene	ND		0.500	ug/L			03/29/23 19:58	1
2-Hexanone	ND		5.00	ug/L			03/29/23 19:58	1
4-Chlorotoluene	ND		0.500	ug/L			03/29/23 19:58	1
4-Methyl-2-pentanone	ND		5.00	ug/L			03/29/23 19:58	1
Acetone	ND		10.0	ug/L			03/29/23 19:58	1
Acrylonitrile	ND		10.0	ug/L			03/29/23 19:58	1
Benzene	ND		0.500	ug/L			03/29/23 19:58	1
Bromobenzene	ND		0.500	ug/L			03/29/23 19:58	1
Bromochloromethane	ND		0.500	ug/L			03/29/23 19:58	1
Bromodichloromethane	ND		0.500	ug/L			03/29/23 19:58	1
Bromoform	ND		0.500	ug/L			03/29/23 19:58	1
Bromomethane	ND		0.500	ug/L			03/29/23 19:58	1
Carbon disulfide	ND		2.00	ug/L			03/29/23 19:58	1
Carbon tetrachloride	ND		0.500	ug/L			03/29/23 19:58	1
Chlorobenzene	ND		0.500	ug/L			03/29/23 19:58	1
Chloroethane	ND		0.500	ug/L			03/29/23 19:58	1
Chloroform	ND		0.500	ug/L			03/29/23 19:58	1
Chloromethane	ND		0.500	ug/L			03/29/23 19:58	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 19:58	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 19:58	1
Dibromochloromethane	ND		0.500	ug/L			03/29/23 19:58	1
Dibromomethane	ND		0.500	ug/L			03/29/23 19:58	1
Dichlorodifluoromethane	ND		0.500	ug/L			03/29/23 19:58	1
di-Isopropyl ether	ND		0.500	ug/L			03/29/23 19:58	1
Ethyl ether	ND		0.500	ug/L			03/29/23 19:58	1
Ethyl t-butyl ether	ND		0.500	ug/L			03/29/23 19:58	1
Ethylbenzene	ND		0.500	ug/L			03/29/23 19:58	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 413 North Rd

Lab Sample ID: 620-10429-3

Date Collected: 03/21/23 14:51

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			03/29/23 19:58	1
Hexachlorobutadiene	ND		0.500	ug/L			03/29/23 19:58	1
Isopropylbenzene	ND		0.500	ug/L			03/29/23 19:58	1
m&p-Xylene	ND		1.00	ug/L			03/29/23 19:58	1
Methyl tertiary butyl ether	ND		0.500	ug/L			03/29/23 19:58	1
Methylene Chloride	ND		0.500	ug/L			03/29/23 19:58	1
Naphthalene	ND		0.500	ug/L			03/29/23 19:58	1
n-Butylbenzene	ND		0.500	ug/L			03/29/23 19:58	1
N-Propylbenzene	ND		0.500	ug/L			03/29/23 19:58	1
o-Xylene	ND		0.500	ug/L			03/29/23 19:58	1
p-Isopropyltoluene	ND		0.500	ug/L			03/29/23 19:58	1
sec-Butylbenzene	ND		0.500	ug/L			03/29/23 19:58	1
Styrene	ND		0.500	ug/L			03/29/23 19:58	1
t-Amyl methyl ether	ND		0.500	ug/L			03/29/23 19:58	1
t-Butyl alcohol	ND		25.0	ug/L			03/29/23 19:58	1
tert-Butylbenzene	ND		0.500	ug/L			03/29/23 19:58	1
Tetrachloroethene	ND		0.500	ug/L			03/29/23 19:58	1
Tetrahydrofuran	ND		7.00	ug/L			03/29/23 19:58	1
Toluene	ND		0.500	ug/L			03/29/23 19:58	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 19:58	1
Trichloroethene	ND		0.500	ug/L			03/29/23 19:58	1
Trichlorofluoromethane	ND		0.500	ug/L			03/29/23 19:58	1
Vinyl chloride	ND		0.500	ug/L			03/29/23 19:58	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	101		80 - 120		03/29/23 19:58	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/29/23 19:58	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluoroheptanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorooctanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorononanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorodecanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorotridecanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorotetradecanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorobutanesulfonic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorohexanesulfonic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorooctanesulfonic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
NEtFOSAA	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
NMeFOSAA	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluoroundecanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1
Perfluorododecanoic acid	ND		1.67	ng/L		03/27/23 10:27	04/15/23 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	92		70 - 130	03/27/23 10:27	04/15/23 06:10	1
13C2 PFHxA	88		70 - 130	03/27/23 10:27	04/15/23 06:10	1
13C3 HFPO-DA	84		70 - 130	03/27/23 10:27	04/15/23 06:10	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 413 North Rd

Lab Sample ID: 620-10429-3

Date Collected: 03/21/23 14:51

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	84		70 - 130	03/27/23 10:27	04/15/23 06:10	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-10429-4

Date Collected: 03/21/23 15:18

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 20:20	1
1,1,1-Trichloroethane	ND		0.500	ug/L			03/29/23 20:20	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 20:20	1
1,1,2-Trichloroethane	ND		0.500	ug/L			03/29/23 20:20	1
1,1-Dichloroethane	ND		0.500	ug/L			03/29/23 20:20	1
1,1-Dichloroethene	ND		0.500	ug/L			03/29/23 20:20	1
1,1-Dichloropropene	ND		0.500	ug/L			03/29/23 20:20	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			03/29/23 20:20	1
1,2,3-Trichloropropane	ND		0.500	ug/L			03/29/23 20:20	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			03/29/23 20:20	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			03/29/23 20:20	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			03/29/23 20:20	1
1,2-Dibromoethane	ND		0.500	ug/L			03/29/23 20:20	1
1,2-Dichlorobenzene	ND		0.500	ug/L			03/29/23 20:20	1
1,2-Dichloroethane	ND		0.500	ug/L			03/29/23 20:20	1
1,2-Dichloropropane	ND		0.500	ug/L			03/29/23 20:20	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			03/29/23 20:20	1
1,3-Dichlorobenzene	ND		0.500	ug/L			03/29/23 20:20	1
1,3-Dichloropropane	ND		0.500	ug/L			03/29/23 20:20	1
1,4-Dichlorobenzene	ND		0.500	ug/L			03/29/23 20:20	1
2,2-Dichloropropane	ND		0.500	ug/L			03/29/23 20:20	1
2-Butanone	ND		5.00	ug/L			03/29/23 20:20	1
2-Chlorotoluene	ND		0.500	ug/L			03/29/23 20:20	1
2-Hexanone	ND		5.00	ug/L			03/29/23 20:20	1
4-Chlorotoluene	ND		0.500	ug/L			03/29/23 20:20	1
4-Methyl-2-pentanone	ND		5.00	ug/L			03/29/23 20:20	1
Acetone	ND		10.0	ug/L			03/29/23 20:20	1
Acrylonitrile	ND		10.0	ug/L			03/29/23 20:20	1
Benzene	ND		0.500	ug/L			03/29/23 20:20	1
Bromobenzene	ND		0.500	ug/L			03/29/23 20:20	1
Bromochloromethane	ND		0.500	ug/L			03/29/23 20:20	1
Bromodichloromethane	ND		0.500	ug/L			03/29/23 20:20	1
Bromoform	ND		0.500	ug/L			03/29/23 20:20	1
Bromomethane	ND		0.500	ug/L			03/29/23 20:20	1
Carbon disulfide	ND		2.00	ug/L			03/29/23 20:20	1
Carbon tetrachloride	ND		0.500	ug/L			03/29/23 20:20	1
Chlorobenzene	ND		0.500	ug/L			03/29/23 20:20	1
Chloroethane	ND		0.500	ug/L			03/29/23 20:20	1
Chloroform	ND		0.500	ug/L			03/29/23 20:20	1
Chloromethane	ND		0.500	ug/L			03/29/23 20:20	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 20:20	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 20:20	1
Dibromochloromethane	ND		0.500	ug/L			03/29/23 20:20	1
Dibromomethane	ND		0.500	ug/L			03/29/23 20:20	1
Dichlorodifluoromethane	ND		0.500	ug/L			03/29/23 20:20	1
di-Isopropyl ether	ND		0.500	ug/L			03/29/23 20:20	1
Ethyl ether	ND		0.500	ug/L			03/29/23 20:20	1
Ethyl t-butyl ether	ND		0.500	ug/L			03/29/23 20:20	1
Ethylbenzene	ND		0.500	ug/L			03/29/23 20:20	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-10429-4

Date Collected: 03/21/23 15:18

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			03/29/23 20:20	1
Hexachlorobutadiene	ND		0.500	ug/L			03/29/23 20:20	1
Isopropylbenzene	ND		0.500	ug/L			03/29/23 20:20	1
m&p-Xylene	ND		1.00	ug/L			03/29/23 20:20	1
Methyl tertiary butyl ether	ND		0.500	ug/L			03/29/23 20:20	1
Methylene Chloride	ND		0.500	ug/L			03/29/23 20:20	1
Naphthalene	ND		0.500	ug/L			03/29/23 20:20	1
n-Butylbenzene	ND		0.500	ug/L			03/29/23 20:20	1
N-Propylbenzene	ND		0.500	ug/L			03/29/23 20:20	1
o-Xylene	ND		0.500	ug/L			03/29/23 20:20	1
p-Isopropyltoluene	ND		0.500	ug/L			03/29/23 20:20	1
sec-Butylbenzene	ND		0.500	ug/L			03/29/23 20:20	1
Styrene	ND		0.500	ug/L			03/29/23 20:20	1
t-Amyl methyl ether	ND		0.500	ug/L			03/29/23 20:20	1
t-Butyl alcohol	ND		25.0	ug/L			03/29/23 20:20	1
tert-Butylbenzene	ND		0.500	ug/L			03/29/23 20:20	1
Tetrachloroethene	ND		0.500	ug/L			03/29/23 20:20	1
Tetrahydrofuran	ND		7.00	ug/L			03/29/23 20:20	1
Toluene	ND		0.500	ug/L			03/29/23 20:20	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 20:20	1
Trichloroethene	ND		0.500	ug/L			03/29/23 20:20	1
Trichlorofluoromethane	ND		0.500	ug/L			03/29/23 20:20	1
Vinyl chloride	ND		0.500	ug/L			03/29/23 20:20	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120		03/29/23 20:20	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/29/23 20:20	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluoroheptanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorooctanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorononanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorodecanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorotridecanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorotetradecanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorobutanesulfonic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorohexanesulfonic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorooctanesulfonic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
NEtFOSAA	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
NMeFOSAA	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluoroundecanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1
Perfluorododecanoic acid	ND		1.87	ng/L		03/27/23 10:27	04/15/23 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	94		70 - 130	03/27/23 10:27	04/15/23 06:20	1
13C2 PFHxA	90		70 - 130	03/27/23 10:27	04/15/23 06:20	1
13C3 HFPO-DA	86		70 - 130	03/27/23 10:27	04/15/23 06:20	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-10429-4

Date Collected: 03/21/23 15:18

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	77		70 - 130	03/27/23 10:27	04/15/23 06:20	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 490 North Rd-FRB

Lab Sample ID: 620-10429-5

Date Collected: 03/21/23 15:06

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluoroheptanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorooctanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorononanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorodecanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorotridecanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorotetradecanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorobutanesulfonic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorohexanesulfonic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorooctanesulfonic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
NEtFOSAA	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
NMeFOSAA	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluoroundecanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Perfluorododecanoic acid	ND		1.97	ng/L		03/27/23 10:27	04/15/23 06:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	96		70 - 130			03/27/23 10:27	04/15/23 06:31	1
13C2 PFHxA	94		70 - 130			03/27/23 10:27	04/15/23 06:31	1
13C3 HFPO-DA	87		70 - 130			03/27/23 10:27	04/15/23 06:31	1
d5-NEtFOSAA	81		70 - 130			03/27/23 10:27	04/15/23 06:31	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 490 North Rd-FD

Lab Sample ID: 620-10429-6

Date Collected: 03/21/23 15:18

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 20:42	1
1,1,1-Trichloroethane	ND		0.500	ug/L			03/29/23 20:42	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 20:42	1
1,1,2-Trichloroethane	ND		0.500	ug/L			03/29/23 20:42	1
1,1-Dichloroethane	ND		0.500	ug/L			03/29/23 20:42	1
1,1-Dichloroethene	ND		0.500	ug/L			03/29/23 20:42	1
1,1-Dichloropropene	ND		0.500	ug/L			03/29/23 20:42	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			03/29/23 20:42	1
1,2,3-Trichloropropane	ND		0.500	ug/L			03/29/23 20:42	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			03/29/23 20:42	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			03/29/23 20:42	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			03/29/23 20:42	1
1,2-Dibromoethane	ND		0.500	ug/L			03/29/23 20:42	1
1,2-Dichlorobenzene	ND		0.500	ug/L			03/29/23 20:42	1
1,2-Dichloroethane	ND		0.500	ug/L			03/29/23 20:42	1
1,2-Dichloropropane	ND		0.500	ug/L			03/29/23 20:42	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			03/29/23 20:42	1
1,3-Dichlorobenzene	ND		0.500	ug/L			03/29/23 20:42	1
1,3-Dichloropropane	ND		0.500	ug/L			03/29/23 20:42	1
1,4-Dichlorobenzene	ND		0.500	ug/L			03/29/23 20:42	1
2,2-Dichloropropane	ND		0.500	ug/L			03/29/23 20:42	1
2-Butanone	ND		5.00	ug/L			03/29/23 20:42	1
2-Chlorotoluene	ND		0.500	ug/L			03/29/23 20:42	1
2-Hexanone	ND		5.00	ug/L			03/29/23 20:42	1
4-Chlorotoluene	ND		0.500	ug/L			03/29/23 20:42	1
4-Methyl-2-pentanone	ND		5.00	ug/L			03/29/23 20:42	1
Acetone	ND		10.0	ug/L			03/29/23 20:42	1
Acrylonitrile	ND		10.0	ug/L			03/29/23 20:42	1
Benzene	ND		0.500	ug/L			03/29/23 20:42	1
Bromobenzene	ND		0.500	ug/L			03/29/23 20:42	1
Bromochloromethane	ND		0.500	ug/L			03/29/23 20:42	1
Bromodichloromethane	ND		0.500	ug/L			03/29/23 20:42	1
Bromoform	ND		0.500	ug/L			03/29/23 20:42	1
Bromomethane	ND		0.500	ug/L			03/29/23 20:42	1
Carbon disulfide	ND		2.00	ug/L			03/29/23 20:42	1
Carbon tetrachloride	ND		0.500	ug/L			03/29/23 20:42	1
Chlorobenzene	ND		0.500	ug/L			03/29/23 20:42	1
Chloroethane	ND		0.500	ug/L			03/29/23 20:42	1
Chloroform	ND		0.500	ug/L			03/29/23 20:42	1
Chloromethane	ND		0.500	ug/L			03/29/23 20:42	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 20:42	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 20:42	1
Dibromochloromethane	ND		0.500	ug/L			03/29/23 20:42	1
Dibromomethane	ND		0.500	ug/L			03/29/23 20:42	1
Dichlorodifluoromethane	ND		0.500	ug/L			03/29/23 20:42	1
di-Isopropyl ether	ND		0.500	ug/L			03/29/23 20:42	1
Ethyl ether	ND		0.500	ug/L			03/29/23 20:42	1
Ethyl t-butyl ether	ND		0.500	ug/L			03/29/23 20:42	1
Ethylbenzene	ND		0.500	ug/L			03/29/23 20:42	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 490 North Rd-FD

Lab Sample ID: 620-10429-6

Date Collected: 03/21/23 15:18

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			03/29/23 20:42	1
Hexachlorobutadiene	ND		0.500	ug/L			03/29/23 20:42	1
Isopropylbenzene	ND		0.500	ug/L			03/29/23 20:42	1
m&p-Xylene	ND		1.00	ug/L			03/29/23 20:42	1
Methyl tertiary butyl ether	ND		0.500	ug/L			03/29/23 20:42	1
Methylene Chloride	ND		0.500	ug/L			03/29/23 20:42	1
Naphthalene	ND		0.500	ug/L			03/29/23 20:42	1
n-Butylbenzene	ND		0.500	ug/L			03/29/23 20:42	1
N-Propylbenzene	ND		0.500	ug/L			03/29/23 20:42	1
o-Xylene	ND		0.500	ug/L			03/29/23 20:42	1
p-Isopropyltoluene	ND		0.500	ug/L			03/29/23 20:42	1
sec-Butylbenzene	ND		0.500	ug/L			03/29/23 20:42	1
Styrene	ND		0.500	ug/L			03/29/23 20:42	1
t-Amyl methyl ether	ND		0.500	ug/L			03/29/23 20:42	1
t-Butyl alcohol	ND		25.0	ug/L			03/29/23 20:42	1
tert-Butylbenzene	ND		0.500	ug/L			03/29/23 20:42	1
Tetrachloroethene	ND		0.500	ug/L			03/29/23 20:42	1
Tetrahydrofuran	ND		7.00	ug/L			03/29/23 20:42	1
Toluene	ND		0.500	ug/L			03/29/23 20:42	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 20:42	1
Trichloroethene	ND		0.500	ug/L			03/29/23 20:42	1
Trichlorofluoromethane	ND		0.500	ug/L			03/29/23 20:42	1
Vinyl chloride	ND		0.500	ug/L			03/29/23 20:42	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120		03/29/23 20:42	1
4-Bromofluorobenzene (Surr)	98		80 - 120		03/29/23 20:42	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: TB-032123

Lab Sample ID: 620-10429-7

Date Collected: 03/21/23 16:30

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 18:51	1
1,1,1-Trichloroethane	ND		0.500	ug/L			03/29/23 18:51	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 18:51	1
1,1,2-Trichloroethane	ND		0.500	ug/L			03/29/23 18:51	1
1,1-Dichloroethane	ND		0.500	ug/L			03/29/23 18:51	1
1,1-Dichloroethene	ND		0.500	ug/L			03/29/23 18:51	1
1,1-Dichloropropene	ND		0.500	ug/L			03/29/23 18:51	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			03/29/23 18:51	1
1,2,3-Trichloropropane	ND		0.500	ug/L			03/29/23 18:51	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			03/29/23 18:51	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			03/29/23 18:51	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			03/29/23 18:51	1
1,2-Dibromoethane	ND		0.500	ug/L			03/29/23 18:51	1
1,2-Dichlorobenzene	ND		0.500	ug/L			03/29/23 18:51	1
1,2-Dichloroethane	ND		0.500	ug/L			03/29/23 18:51	1
1,2-Dichloropropane	ND		0.500	ug/L			03/29/23 18:51	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			03/29/23 18:51	1
1,3-Dichlorobenzene	ND		0.500	ug/L			03/29/23 18:51	1
1,3-Dichloropropane	ND		0.500	ug/L			03/29/23 18:51	1
1,4-Dichlorobenzene	ND		0.500	ug/L			03/29/23 18:51	1
2,2-Dichloropropane	ND		0.500	ug/L			03/29/23 18:51	1
2-Butanone	ND		5.00	ug/L			03/29/23 18:51	1
2-Chlorotoluene	ND		0.500	ug/L			03/29/23 18:51	1
2-Hexanone	ND		5.00	ug/L			03/29/23 18:51	1
4-Chlorotoluene	ND		0.500	ug/L			03/29/23 18:51	1
4-Methyl-2-pentanone	ND		5.00	ug/L			03/29/23 18:51	1
Acetone	ND		10.0	ug/L			03/29/23 18:51	1
Acrylonitrile	ND		10.0	ug/L			03/29/23 18:51	1
Benzene	ND		0.500	ug/L			03/29/23 18:51	1
Bromobenzene	ND		0.500	ug/L			03/29/23 18:51	1
Bromochloromethane	ND		0.500	ug/L			03/29/23 18:51	1
Bromodichloromethane	ND		0.500	ug/L			03/29/23 18:51	1
Bromoform	ND		0.500	ug/L			03/29/23 18:51	1
Bromomethane	ND		0.500	ug/L			03/29/23 18:51	1
Carbon disulfide	ND		2.00	ug/L			03/29/23 18:51	1
Carbon tetrachloride	ND		0.500	ug/L			03/29/23 18:51	1
Chlorobenzene	ND		0.500	ug/L			03/29/23 18:51	1
Chloroethane	ND		0.500	ug/L			03/29/23 18:51	1
Chloroform	ND		0.500	ug/L			03/29/23 18:51	1
Chloromethane	ND		0.500	ug/L			03/29/23 18:51	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 18:51	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 18:51	1
Dibromochloromethane	ND		0.500	ug/L			03/29/23 18:51	1
Dibromomethane	ND		0.500	ug/L			03/29/23 18:51	1
Dichlorodifluoromethane	ND		0.500	ug/L			03/29/23 18:51	1
di-Isopropyl ether	ND		0.500	ug/L			03/29/23 18:51	1
Ethyl ether	ND		0.500	ug/L			03/29/23 18:51	1
Ethyl t-butyl ether	ND		0.500	ug/L			03/29/23 18:51	1
Ethylbenzene	ND		0.500	ug/L			03/29/23 18:51	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: TB-032123

Lab Sample ID: 620-10429-7

Date Collected: 03/21/23 16:30

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			03/29/23 18:51	1
Hexachlorobutadiene	ND		0.500	ug/L			03/29/23 18:51	1
Isopropylbenzene	ND		0.500	ug/L			03/29/23 18:51	1
m&p-Xylene	ND		1.00	ug/L			03/29/23 18:51	1
Methyl tertiary butyl ether	ND		0.500	ug/L			03/29/23 18:51	1
Methylene Chloride	ND		0.500	ug/L			03/29/23 18:51	1
Naphthalene	ND		0.500	ug/L			03/29/23 18:51	1
n-Butylbenzene	ND		0.500	ug/L			03/29/23 18:51	1
N-Propylbenzene	ND		0.500	ug/L			03/29/23 18:51	1
o-Xylene	ND		0.500	ug/L			03/29/23 18:51	1
p-Isopropyltoluene	ND		0.500	ug/L			03/29/23 18:51	1
sec-Butylbenzene	ND		0.500	ug/L			03/29/23 18:51	1
Styrene	ND		0.500	ug/L			03/29/23 18:51	1
t-Amyl methyl ether	ND		0.500	ug/L			03/29/23 18:51	1
t-Butyl alcohol	ND		25.0	ug/L			03/29/23 18:51	1
tert-Butylbenzene	ND		0.500	ug/L			03/29/23 18:51	1
Tetrachloroethene	ND		0.500	ug/L			03/29/23 18:51	1
Tetrahydrofuran	ND		7.00	ug/L			03/29/23 18:51	1
Toluene	ND		0.500	ug/L			03/29/23 18:51	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 18:51	1
Trichloroethene	ND		0.500	ug/L			03/29/23 18:51	1
Trichlorofluoromethane	ND		0.500	ug/L			03/29/23 18:51	1
Vinyl chloride	ND		0.500	ug/L			03/29/23 18:51	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	103		80 - 120		03/29/23 18:51	1
4-Bromofluorobenzene (Surr)	98		80 - 120		03/29/23 18:51	1

Surrogate Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCZ (80-120)	BFB (80-120)
620-10429-1	794 Beecher Hill Rd	103	99
620-10429-2	182 Forest Edge Rd	102	98
620-10429-3	413 North Rd	101	97
620-10429-4	490 North Rd	102	97
620-10429-6	490 North Rd-FD	102	98
620-10429-7	TB-032123	103	98
LCS 410-358651/5	Lab Control Sample	104	102
MB 410-358651/7	Method Blank	100	99

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		PFDA (70-130)	PFHxA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)
620-10429-1	794 Beecher Hill Rd	97	90	89	82
620-10429-2	182 Forest Edge Rd	96	96	86	83
620-10429-3	413 North Rd	92	88	84	84
620-10429-4	490 North Rd	94	90	86	77
620-10429-5	490 North Rd-FRB	96	94	87	81
LCS 410-357724/2-A	Lab Control Sample	92	93	86	90
LLCS 410-357724/3-A	Lab Control Sample	89	88	85	95
MB 410-357724/1-A	Method Blank	95	88	85	100

Surrogate Legend

PFDA = 13C2 PFDA
 PFHxA = 13C2 PFHxA
 HFPODA = 13C3 HFPO-DA
 d5NEFOS = d5-NEtFOSAA

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-358651/7
Matrix: Drinking Water
Analysis Batch: 358651

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 13:39	1
1,1,1-Trichloroethane	ND		0.500	ug/L			03/29/23 13:39	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			03/29/23 13:39	1
1,1,2-Trichloroethane	ND		0.500	ug/L			03/29/23 13:39	1
1,1-Dichloroethane	ND		0.500	ug/L			03/29/23 13:39	1
1,1-Dichloroethene	ND		0.500	ug/L			03/29/23 13:39	1
1,1-Dichloropropene	ND		0.500	ug/L			03/29/23 13:39	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			03/29/23 13:39	1
1,2,3-Trichloropropane	ND		0.500	ug/L			03/29/23 13:39	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			03/29/23 13:39	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			03/29/23 13:39	1
1,2-Dibromoethane	ND		0.500	ug/L			03/29/23 13:39	1
1,2-Dichlorobenzene	ND		0.500	ug/L			03/29/23 13:39	1
1,2-Dichloroethane	ND		0.500	ug/L			03/29/23 13:39	1
1,2-Dichloropropane	ND		0.500	ug/L			03/29/23 13:39	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
1,3-Dichlorobenzene	ND		0.500	ug/L			03/29/23 13:39	1
1,3-Dichloropropane	ND		0.500	ug/L			03/29/23 13:39	1
1,4-Dichlorobenzene	ND		0.500	ug/L			03/29/23 13:39	1
2,2-Dichloropropane	ND		0.500	ug/L			03/29/23 13:39	1
2-Butanone	ND		5.00	ug/L			03/29/23 13:39	1
2-Chlorotoluene	ND		0.500	ug/L			03/29/23 13:39	1
2-Hexanone	ND		5.00	ug/L			03/29/23 13:39	1
4-Chlorotoluene	ND		0.500	ug/L			03/29/23 13:39	1
4-Methyl-2-pentanone	ND		5.00	ug/L			03/29/23 13:39	1
Acetone	ND		10.0	ug/L			03/29/23 13:39	1
Acrylonitrile	ND		10.0	ug/L			03/29/23 13:39	1
Benzene	ND		0.500	ug/L			03/29/23 13:39	1
Bromobenzene	ND		0.500	ug/L			03/29/23 13:39	1
Bromochloromethane	ND		0.500	ug/L			03/29/23 13:39	1
Bromodichloromethane	ND		0.500	ug/L			03/29/23 13:39	1
Bromoform	ND		0.500	ug/L			03/29/23 13:39	1
Bromomethane	ND		0.500	ug/L			03/29/23 13:39	1
Carbon disulfide	ND		2.00	ug/L			03/29/23 13:39	1
Carbon tetrachloride	ND		0.500	ug/L			03/29/23 13:39	1
Chlorobenzene	ND		0.500	ug/L			03/29/23 13:39	1
Chloroethane	ND		0.500	ug/L			03/29/23 13:39	1
Chloroform	ND		0.500	ug/L			03/29/23 13:39	1
Chloromethane	ND		0.500	ug/L			03/29/23 13:39	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 13:39	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 13:39	1
Dibromochloromethane	ND		0.500	ug/L			03/29/23 13:39	1
Dibromomethane	ND		0.500	ug/L			03/29/23 13:39	1
Dichlorodifluoromethane	ND		0.500	ug/L			03/29/23 13:39	1
di-Isopropyl ether	ND		0.500	ug/L			03/29/23 13:39	1
Ethyl ether	ND		0.500	ug/L			03/29/23 13:39	1
Ethyl t-butyl ether	ND		0.500	ug/L			03/29/23 13:39	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-358651/7
Matrix: Drinking Water
Analysis Batch: 358651

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
Freon 113	ND		0.500	ug/L			03/29/23 13:39	1
Hexachlorobutadiene	ND		0.500	ug/L			03/29/23 13:39	1
Isopropylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
m&p-Xylene	ND		1.00	ug/L			03/29/23 13:39	1
Methyl tertiary butyl ether	ND		0.500	ug/L			03/29/23 13:39	1
Methylene Chloride	ND		0.500	ug/L			03/29/23 13:39	1
Naphthalene	ND		0.500	ug/L			03/29/23 13:39	1
n-Butylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
N-Propylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
o-Xylene	ND		0.500	ug/L			03/29/23 13:39	1
p-Isopropyltoluene	ND		0.500	ug/L			03/29/23 13:39	1
sec-Butylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
Styrene	ND		0.500	ug/L			03/29/23 13:39	1
t-Amyl methyl ether	ND		0.500	ug/L			03/29/23 13:39	1
t-Butyl alcohol	ND		25.0	ug/L			03/29/23 13:39	1
tert-Butylbenzene	ND		0.500	ug/L			03/29/23 13:39	1
Tetrachloroethene	ND		0.500	ug/L			03/29/23 13:39	1
Tetrahydrofuran	ND		7.00	ug/L			03/29/23 13:39	1
Toluene	ND		0.500	ug/L			03/29/23 13:39	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			03/29/23 13:39	1
Trichloroethene	ND		0.500	ug/L			03/29/23 13:39	1
Trichlorofluoromethane	ND		0.500	ug/L			03/29/23 13:39	1
Vinyl chloride	ND		0.500	ug/L			03/29/23 13:39	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			03/29/23 13:39	1
Surrogate	MB	MB	Limits	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1,2-Dichlorobenzene-d4 (Surr)	100		80 - 120				03/29/23 13:39	1
4-Bromofluorobenzene (Surr)	99		80 - 120				03/29/23 13:39	1

Lab Sample ID: LCS 410-358651/5
Matrix: Drinking Water
Analysis Batch: 358651

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	4.621		ug/L		92	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.448		ug/L		109	70 - 130
1,1,2-Trichloroethane	5.00	5.113		ug/L		102	70 - 130
1,1-Dichloroethane	5.00	4.675		ug/L		93	70 - 130
1,1-Dichloroethene	5.00	4.614		ug/L		92	70 - 130
1,1-Dichloropropene	5.00	4.754		ug/L		95	70 - 130
1,2,3-Trichlorobenzene	5.00	5.412		ug/L		108	70 - 130
1,2,3-Trichloropropane	5.00	5.670		ug/L		113	70 - 130
1,2,4-Trichlorobenzene	5.00	5.392		ug/L		108	70 - 130
1,2,4-Trimethylbenzene	5.00	4.999		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	5.583		ug/L		112	70 - 130
1,2-Dibromoethane	5.00	5.275		ug/L		105	70 - 130

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-358651/5

Matrix: Drinking Water

Analysis Batch: 358651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	5.00	5.268		ug/L		105	70 - 130
1,2-Dichloroethane	5.00	4.935		ug/L		99	70 - 130
1,2-Dichloropropane	5.00	4.871		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	5.00	4.972		ug/L		99	70 - 130
1,3-Dichlorobenzene	5.00	5.200		ug/L		104	70 - 130
1,3-Dichloropropane	5.00	5.177		ug/L		104	70 - 130
1,4-Dichlorobenzene	5.00	5.530		ug/L		111	70 - 130
2,2-Dichloropropane	5.00	4.543		ug/L		91	70 - 130
2-Butanone	62.5	70.21		ug/L		112	70 - 130
2-Chlorotoluene	5.00	5.029		ug/L		101	70 - 130
2-Hexanone	62.5	64.64		ug/L		103	70 - 130
4-Chlorotoluene	5.00	5.183		ug/L		104	70 - 130
4-Methyl-2-pentanone	62.5	64.40		ug/L		103	70 - 130
Acetone	62.5	78.99		ug/L		126	70 - 130
Acrylonitrile	113	128.5		ug/L		114	70 - 130
Benzene	5.00	4.830		ug/L		97	70 - 130
Bromobenzene	5.00	5.322		ug/L		106	70 - 130
Bromochloromethane	5.00	5.055		ug/L		101	70 - 130
Bromodichloromethane	5.00	4.799		ug/L		96	70 - 130
Bromoform	5.00	5.169		ug/L		103	70 - 130
Bromomethane	2.00	2.278		ug/L		114	70 - 130
Carbon disulfide	5.00	4.273		ug/L		85	70 - 130
Carbon tetrachloride	5.00	4.182		ug/L		84	70 - 130
Chlorobenzene	5.00	4.960		ug/L		99	70 - 130
Chloroethane	2.00	2.210		ug/L		110	70 - 130
Chloroform	5.00	4.859		ug/L		97	70 - 130
Chloromethane	2.00	2.131		ug/L		107	70 - 130
cis-1,2-Dichloroethene	5.00	4.879		ug/L		98	70 - 130
cis-1,3-Dichloropropene	5.00	4.686		ug/L		94	70 - 130
Dibromochloromethane	5.00	5.099		ug/L		102	70 - 130
Dibromomethane	5.00	5.162		ug/L		103	70 - 130
Dichlorodifluoromethane	2.00	2.082		ug/L		104	70 - 130
di-Isopropyl ether	5.00	4.688		ug/L		94	70 - 130
Ethyl ether	5.00	4.236		ug/L		85	70 - 130
Ethyl t-butyl ether	5.00	4.686		ug/L		94	70 - 130
Ethylbenzene	5.00	4.878		ug/L		98	70 - 130
Freon 113	5.00	4.381		ug/L		88	70 - 130
Hexachlorobutadiene	5.00	5.639		ug/L		113	70 - 130
Isopropylbenzene	5.00	4.845		ug/L		97	70 - 130
m&p-Xylene	10.0	9.935		ug/L		99	70 - 130
Methyl tertiary butyl ether	5.00	4.786		ug/L		96	70 - 130
Methylene Chloride	5.00	4.860		ug/L		97	70 - 130
Naphthalene	5.00	5.321		ug/L		106	70 - 130
n-Butylbenzene	5.00	5.120		ug/L		102	70 - 130
N-Propylbenzene	5.00	4.954		ug/L		99	70 - 130
o-Xylene	5.00	4.914		ug/L		98	70 - 130
p-Isopropyltoluene	5.00	5.037		ug/L		101	70 - 130
sec-Butylbenzene	5.00	4.969		ug/L		99	70 - 130
Styrene	5.00	5.073		ug/L		101	70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-358651/5

Matrix: Drinking Water

Analysis Batch: 358651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
t-Amyl methyl ether	5.00	4.725		ug/L		95	70 - 130
t-Butyl alcohol	50.0	62.48		ug/L		125	70 - 130
tert-Butylbenzene	5.00	5.049		ug/L		101	70 - 130
Tetrachloroethene	5.00	4.770		ug/L		95	70 - 130
Tetrahydrofuran	46.9	44.30		ug/L		94	70 - 130
Toluene	5.00	4.857		ug/L		97	70 - 130
trans-1,2-Dichloroethene	5.00	4.692		ug/L		94	70 - 130
Trichloroethene	5.00	4.668		ug/L		93	70 - 130
Trichlorofluoromethane	2.00	1.830		ug/L		92	70 - 130
Vinyl chloride	2.00	2.055		ug/L		103	70 - 130
trans-1,3-Dichloropropene	5.00	4.784		ug/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Lab Sample ID: MB 410-357724/1-A

Matrix: Drinking Water

Analysis Batch: 364541

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 357724

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluoroheptanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorooctanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorononanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorodecanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorotridecanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
NEtFOSAA	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
NMeFOSAA	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluoroundecanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1
Perfluorododecanoic acid	ND		2.00	ng/L		03/27/23 10:27	04/15/23 02:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	95		70 - 130	03/27/23 10:27	04/15/23 02:38	1
13C2 PFHxA	88		70 - 130	03/27/23 10:27	04/15/23 02:38	1
13C3 HFPO-DA	85		70 - 130	03/27/23 10:27	04/15/23 02:38	1
d5-NEtFOSAA	100		70 - 130	03/27/23 10:27	04/15/23 02:38	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LCS 410-357724/2-A

Matrix: Drinking Water

Analysis Batch: 364541

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 357724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	80.0	69.73		ng/L		87	70 - 130
Perfluoroheptanoic acid	80.0	64.09		ng/L		80	70 - 130
Perfluorooctanoic acid	80.0	64.59		ng/L		81	70 - 130
Perfluorononanoic acid	80.0	67.49		ng/L		84	70 - 130
Perfluorodecanoic acid	80.0	64.23		ng/L		80	70 - 130
Perfluorotridecanoic acid	80.0	59.56		ng/L		74	70 - 130
Perfluorotetradecanoic acid	80.0	64.83		ng/L		81	70 - 130
Perfluorobutanesulfonic acid	70.8	52.58		ng/L		74	70 - 130
Perfluorohexanesulfonic acid	73.0	55.45		ng/L		76	70 - 130
Perfluorooctanesulfonic acid	74.0	58.80		ng/L		79	70 - 130
NEtFOSAA	80.0	63.76		ng/L		80	70 - 130
NMeFOSAA	80.0	66.27		ng/L		83	70 - 130
Perfluoroundecanoic acid	80.0	65.18		ng/L		81	70 - 130
Perfluorododecanoic acid	80.0	57.16		ng/L		71	70 - 130
HFPODA	80.0	63.01		ng/L		79	70 - 130
9CI-PF3ONS	74.4	55.59		ng/L		75	70 - 130
11CI-PF3OUdS	74.4	52.15		ng/L		70	70 - 130
DONA	75.6	60.60		ng/L		80	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	92		70 - 130
13C2 PFHxA	93		70 - 130
13C3 HFPO-DA	86		70 - 130
d5-NEtFOSAA	90		70 - 130

Lab Sample ID: LLCS 410-357724/3-A

Matrix: Drinking Water

Analysis Batch: 364541

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 357724

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	1.92	2.088		ng/L		109	50 - 150
Perfluoroheptanoic acid	1.92	2.000		ng/L		104	50 - 150
Perfluorooctanoic acid	1.92	2.055		ng/L		107	50 - 150
Perfluorononanoic acid	1.92	1.849	J	ng/L		96	50 - 150
Perfluorodecanoic acid	1.92	2.217		ng/L		115	50 - 150
Perfluorotridecanoic acid	1.92	1.938	J	ng/L		101	50 - 150
Perfluorotetradecanoic acid	1.92	2.006		ng/L		104	50 - 150
Perfluorobutanesulfonic acid	1.70	1.605	J	ng/L		94	50 - 150
Perfluorohexanesulfonic acid	1.75	1.686	J	ng/L		96	50 - 150
Perfluorooctanesulfonic acid	1.78	1.790	J	ng/L		101	50 - 150
NEtFOSAA	1.92	2.480		ng/L		129	50 - 150
NMeFOSAA	1.92	2.055		ng/L		107	50 - 150
Perfluoroundecanoic acid	1.92	2.044		ng/L		106	50 - 150
Perfluorododecanoic acid	1.92	1.856	J	ng/L		97	50 - 150
HFPODA	1.92	1.869	J	ng/L		97	50 - 150
9CI-PF3ONS	1.79	1.907	J	ng/L		107	50 - 150
11CI-PF3OUdS	1.79	1.772	J	ng/L		99	50 - 150
DONA	1.81	1.876	J	ng/L		103	50 - 150

Eurofins New England

QC Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LLCS 410-357724/3-A
Matrix: Drinking Water
Analysis Batch: 364541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 357724

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	89		70 - 130
13C2 PFHxA	88		70 - 130
13C3 HFPO-DA	85		70 - 130
d5-NEtFOSAA	95		70 - 130

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QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

GC/MS VOA

Analysis Batch: 358651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-10429-1	794 Beecher Hill Rd	Total/NA	Drinking Water	524.2	
620-10429-2	182 Forest Edge Rd	Total/NA	Drinking Water	524.2	
620-10429-3	413 North Rd	Total/NA	Drinking Water	524.2	
620-10429-4	490 North Rd	Total/NA	Drinking Water	524.2	
620-10429-6	490 North Rd-FD	Total/NA	Drinking Water	524.2	
620-10429-7	TB-032123	Total/NA	Drinking Water	524.2	
MB 410-358651/7	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-358651/5	Lab Control Sample	Total/NA	Drinking Water	524.2	

LCMS

Prep Batch: 357724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-10429-1	794 Beecher Hill Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-10429-2	182 Forest Edge Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-10429-3	413 North Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-10429-4	490 North Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-10429-5	490 North Rd-FRB	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-357724/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-357724/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LLCS 410-357724/3-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 364541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-10429-1	794 Beecher Hill Rd	Total/NA	Drinking Water	EPA 537.1	357724
620-10429-2	182 Forest Edge Rd	Total/NA	Drinking Water	EPA 537.1	357724
620-10429-3	413 North Rd	Total/NA	Drinking Water	EPA 537.1	357724
620-10429-4	490 North Rd	Total/NA	Drinking Water	EPA 537.1	357724
620-10429-5	490 North Rd-FRB	Total/NA	Drinking Water	EPA 537.1	357724
MB 410-357724/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	357724
LCS 410-357724/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	357724
LLCS 410-357724/3-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	357724

Lab Chronicle

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: 794 Beecher Hill Rd

Lab Sample ID: 620-10429-1

Date Collected: 03/21/23 13:41

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	358651	UJML	ELLE	03/29/23 19:13
Total/NA	Prep	537.1 DW Prep			357724	HQ8B	ELLE	03/27/23 10:27
Total/NA	Analysis	EPA 537.1		1	364541	DCS9	ELLE	04/15/23 05:49

Client Sample ID: 182 Forest Edge Rd

Lab Sample ID: 620-10429-2

Date Collected: 03/21/23 14:20

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	358651	UJML	ELLE	03/29/23 19:36
Total/NA	Prep	537.1 DW Prep			357724	HQ8B	ELLE	03/27/23 10:27
Total/NA	Analysis	EPA 537.1		1	364541	DCS9	ELLE	04/15/23 05:59

Client Sample ID: 413 North Rd

Lab Sample ID: 620-10429-3

Date Collected: 03/21/23 14:51

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	358651	UJML	ELLE	03/29/23 19:58
Total/NA	Prep	537.1 DW Prep			357724	HQ8B	ELLE	03/27/23 10:27
Total/NA	Analysis	EPA 537.1		1	364541	DCS9	ELLE	04/15/23 06:10

Client Sample ID: 490 North Rd

Lab Sample ID: 620-10429-4

Date Collected: 03/21/23 15:18

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	358651	UJML	ELLE	03/29/23 20:20
Total/NA	Prep	537.1 DW Prep			357724	HQ8B	ELLE	03/27/23 10:27
Total/NA	Analysis	EPA 537.1		1	364541	DCS9	ELLE	04/15/23 06:20

Client Sample ID: 490 North Rd-FRB

Lab Sample ID: 620-10429-5

Date Collected: 03/21/23 15:06

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			357724	HQ8B	ELLE	03/27/23 10:27
Total/NA	Analysis	EPA 537.1		1	364541	DCS9	ELLE	04/15/23 06:31

Client Sample ID: 490 North Rd-FD

Lab Sample ID: 620-10429-6

Date Collected: 03/21/23 15:18

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	358651	UJML	ELLE	03/29/23 20:42

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Client Sample ID: TB-032123

Lab Sample ID: 620-10429-7

Date Collected: 03/21/23 16:30

Matrix: Drinking Water

Date Received: 03/23/23 09:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	358651	UJML	ELLE	03/29/23 18:51

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	di-Isopropyl ether
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl t-butyl ether
524.2		Drinking Water	Freon 113
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	t-Amyl methyl ether
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	Tetrahydrofuran

Method Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10429-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-10429-1	794 Beecher Hill Rd	Drinking Water	03/21/23 13:41	03/23/23 09:26
620-10429-2	182 Forest Edge Rd	Drinking Water	03/21/23 14:20	03/23/23 09:26
620-10429-3	413 North Rd	Drinking Water	03/21/23 14:51	03/23/23 09:26
620-10429-4	490 North Rd	Drinking Water	03/21/23 15:18	03/23/23 09:26
620-10429-5	490 North Rd-FRB	Drinking Water	03/21/23 15:06	03/23/23 09:26
620-10429-6	490 North Rd-FD	Drinking Water	03/21/23 15:18	03/23/23 09:26
620-10429-7	TB-032123	Drinking Water	03/21/23 16:30	03/23/23 09:26

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Chain of Custody Record



Environment Testing

10429

620-10429 Chain of Custody

Company: Stone Environmental
Address: 535 Stone Cutters Way
City: Montpelier
State Zip: VT, 05602
Phone: 802-229-6434(Tel)
Email: kmatice@stone-env.com
Project Name: Town of Hinesburg Landfill - Hinesburg, VT
Site:

Sampler: JGW JSM
Lab PM: Huntley, Agnes R
E-Mail: Agnes.Huntley@st.eurofins.com

Carrier Tracking No(s):
State of Origin: VT

COC No: 620-9204-1164 1
Page: Page 1 of 1
Job #:

Analysis Requested

Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Yes No

PG #: 20211205
WO #: 20211205
Project #: 62000809
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (W=water, S=solid, O=oil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	537 DW - DW EPA 537 1 List of 18	524.2 Preserved - (MOD) Regulated + THMs	Total Number of Containers	Special Instructions/Note:
794 Beecher Hill Rd	3/2/23	1341	G	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
182 Forest Edge Rd		1420	G	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
413 North Rd		1451	G	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
490 North Rd		1518			Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
490 North Rd - FRB		1506			Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
490 North Rd - ED		1518			Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
TB-03-123		1630			Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			JUN 1 123

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
Other

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)

Special Instructions/Note:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements

Method of Shipment:

Received by: *Agnes Huntley* Date/Time: 3/23/23 926 Company: ENE
Received by: _____ Date/Time: _____ Company: _____
Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: 1.0°C / +0.2 / 1.2°C IRLG



ORIGIN ID: MVLA (802) 585-8605
SHIP DATE: 22MAR23
ACTWGT 30.00 LB
JODIE WRIGHT
STONE ENVIRONMENTAL, INC
CAD 3085923/NET4584
535 STONE CUTTERS WAY
BILL SENDER
MONTPELIER, VT 05602
UNITED STATES US

TO **SAMPLE RECEIVING**
EUROFINS ENVIRONMENTAL TESTING
646 CAMP AVENUE

581J719982/EZD

NORTH KINGSTOWN RI 02852
REF: (401) 352-6850

INV: PO: 20211205 DEPT:

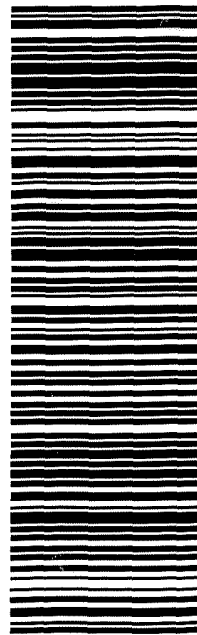


THU - 23 MAR 10:30A
PRIORITY OVERNIGHT

TRK# 7716 2588 7289

0201

XENCOA 02852
RI-US PVD



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Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-10429-1

Login Number: 10429

List Number: 1

Creator: Makhoul, Elie

List Source: Eurofins New England

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	
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: Stone Environmental

Job Number: 620-10429-1

Login Number: 10429

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 03/24/23 04:06 PM

Creator: McCaskey, Jonathan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
WV: Container 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	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Katrina Mattice
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 4/23/2023 9:18:35 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-10750-1

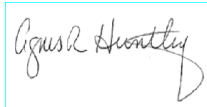
Eurofins New England

Job Notes

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

Authorization



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Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)372-3482



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Definitions/Glossary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Job ID: 620-10750-1

Laboratory: Eurofins New England

Narrative

**Job Narrative
620-10750-1**

Receipt

The samples were received on 4/10/2023 9:30 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 time was -1.0°C

GC/MS VOA

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

PFAS

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



Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 206 Forest Edge

Lab Sample ID: 620-10750-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13.0		10.0	ug/L	1		524.2	Total/NA

Client Sample ID: 714 Beecher Hill

Lab Sample ID: 620-10750-2

No Detections.

Client Sample ID: 455 North

Lab Sample ID: 620-10750-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid	3.21		1.69	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 455 North-FD

Lab Sample ID: 620-10750-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid	3.13		1.69	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 455 North-FRB

Lab Sample ID: 620-10750-5

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 620-10750-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 206 Forest Edge

Lab Sample ID: 620-10750-1

Date Collected: 04/05/23 14:25

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 16:59	1
1,1,1-Trichloroethane	ND		0.500	ug/L			04/14/23 16:59	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 16:59	1
1,1,2-Trichloroethane	ND		0.500	ug/L			04/14/23 16:59	1
1,1-Dichloroethane	ND		0.500	ug/L			04/14/23 16:59	1
1,1-Dichloroethene	ND		0.500	ug/L			04/14/23 16:59	1
1,1-Dichloropropene	ND		0.500	ug/L			04/14/23 16:59	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			04/14/23 16:59	1
1,2,3-Trichloropropane	ND		0.500	ug/L			04/14/23 16:59	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			04/14/23 16:59	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			04/14/23 16:59	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			04/14/23 16:59	1
1,2-Dibromoethane	ND		0.500	ug/L			04/14/23 16:59	1
1,2-Dichlorobenzene	ND		0.500	ug/L			04/14/23 16:59	1
1,2-Dichloroethane	ND		0.500	ug/L			04/14/23 16:59	1
1,2-Dichloropropane	ND		0.500	ug/L			04/14/23 16:59	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			04/14/23 16:59	1
1,3-Dichlorobenzene	ND		0.500	ug/L			04/14/23 16:59	1
1,3-Dichloropropane	ND		0.500	ug/L			04/14/23 16:59	1
1,4-Dichlorobenzene	ND		0.500	ug/L			04/14/23 16:59	1
2,2-Dichloropropane	ND		0.500	ug/L			04/14/23 16:59	1
2-Butanone	ND		5.00	ug/L			04/14/23 16:59	1
2-Chlorotoluene	ND		0.500	ug/L			04/14/23 16:59	1
2-Hexanone	ND		5.00	ug/L			04/14/23 16:59	1
4-Chlorotoluene	ND		0.500	ug/L			04/14/23 16:59	1
4-Methyl-2-pentanone	ND		5.00	ug/L			04/14/23 16:59	1
Acetone	13.0		10.0	ug/L			04/14/23 16:59	1
Acrylonitrile	ND		10.0	ug/L			04/14/23 16:59	1
Benzene	ND		0.500	ug/L			04/14/23 16:59	1
Bromobenzene	ND		0.500	ug/L			04/14/23 16:59	1
Bromochloromethane	ND		0.500	ug/L			04/14/23 16:59	1
Bromodichloromethane	ND		0.500	ug/L			04/14/23 16:59	1
Bromoform	ND		0.500	ug/L			04/14/23 16:59	1
Bromomethane	ND		0.500	ug/L			04/14/23 16:59	1
Carbon disulfide	ND		2.00	ug/L			04/14/23 16:59	1
Carbon tetrachloride	ND		0.500	ug/L			04/14/23 16:59	1
Chlorobenzene	ND		0.500	ug/L			04/14/23 16:59	1
Chloroethane	ND		0.500	ug/L			04/14/23 16:59	1
Chloroform	ND		0.500	ug/L			04/14/23 16:59	1
Chloromethane	ND		0.500	ug/L			04/14/23 16:59	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 16:59	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 16:59	1
Dibromochloromethane	ND		0.500	ug/L			04/14/23 16:59	1
Dibromomethane	ND		0.500	ug/L			04/14/23 16:59	1
Dichlorodifluoromethane	ND		0.500	ug/L			04/14/23 16:59	1
di-Isopropyl ether	ND		0.500	ug/L			04/14/23 16:59	1
Ethyl ether	ND		0.500	ug/L			04/14/23 16:59	1
Ethyl t-butyl ether	ND		0.500	ug/L			04/14/23 16:59	1
Ethylbenzene	ND		0.500	ug/L			04/14/23 16:59	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 206 Forest Edge

Lab Sample ID: 620-10750-1

Date Collected: 04/05/23 14:25

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			04/14/23 16:59	1
Hexachlorobutadiene	ND		0.500	ug/L			04/14/23 16:59	1
Isopropylbenzene	ND		0.500	ug/L			04/14/23 16:59	1
m&p-Xylene	ND		1.00	ug/L			04/14/23 16:59	1
Methyl tertiary butyl ether	ND		0.500	ug/L			04/14/23 16:59	1
Methylene Chloride	ND		0.500	ug/L			04/14/23 16:59	1
Naphthalene	ND		0.500	ug/L			04/14/23 16:59	1
n-Butylbenzene	ND		0.500	ug/L			04/14/23 16:59	1
N-Propylbenzene	ND		0.500	ug/L			04/14/23 16:59	1
o-Xylene	ND		0.500	ug/L			04/14/23 16:59	1
p-Isopropyltoluene	ND		0.500	ug/L			04/14/23 16:59	1
sec-Butylbenzene	ND		0.500	ug/L			04/14/23 16:59	1
Styrene	ND		0.500	ug/L			04/14/23 16:59	1
t-Amyl methyl ether	ND		0.500	ug/L			04/14/23 16:59	1
t-Butyl alcohol	ND		25.0	ug/L			04/14/23 16:59	1
tert-Butylbenzene	ND		0.500	ug/L			04/14/23 16:59	1
Tetrachloroethene	ND		0.500	ug/L			04/14/23 16:59	1
Tetrahydrofuran	ND		7.00	ug/L			04/14/23 16:59	1
Toluene	ND		0.500	ug/L			04/14/23 16:59	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 16:59	1
Trichloroethene	ND		0.500	ug/L			04/14/23 16:59	1
Trichlorofluoromethane	ND		0.500	ug/L			04/14/23 16:59	1
Vinyl chloride	ND		0.500	ug/L			04/14/23 16:59	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	101		80 - 120		04/14/23 16:59	1
4-Bromofluorobenzene (Surr)	96		80 - 120		04/14/23 16:59	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluoroheptanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorooctanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorononanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorodecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorotridecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorotetradecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorobutanesulfonic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorohexanesulfonic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorooctanesulfonic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
NEtFOSAA	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
NMeFOSAA	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluoroundecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1
Perfluorododecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	104		70 - 130	04/13/23 08:05	04/21/23 00:25	1
13C2 PFHxA	105		70 - 130	04/13/23 08:05	04/21/23 00:25	1
13C3 HFPO-DA	99		70 - 130	04/13/23 08:05	04/21/23 00:25	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 206 Forest Edge

Lab Sample ID: 620-10750-1

Date Collected: 04/05/23 14:25

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	100		70 - 130	04/13/23 08:05	04/21/23 00:25	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 714 Beecher Hill

Lab Sample ID: 620-10750-2

Date Collected: 04/05/23 15:10

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 17:22	1
1,1,1-Trichloroethane	ND		0.500	ug/L			04/14/23 17:22	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 17:22	1
1,1,2-Trichloroethane	ND		0.500	ug/L			04/14/23 17:22	1
1,1-Dichloroethane	ND		0.500	ug/L			04/14/23 17:22	1
1,1-Dichloroethene	ND		0.500	ug/L			04/14/23 17:22	1
1,1-Dichloropropene	ND		0.500	ug/L			04/14/23 17:22	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			04/14/23 17:22	1
1,2,3-Trichloropropane	ND		0.500	ug/L			04/14/23 17:22	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			04/14/23 17:22	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			04/14/23 17:22	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			04/14/23 17:22	1
1,2-Dibromoethane	ND		0.500	ug/L			04/14/23 17:22	1
1,2-Dichlorobenzene	ND		0.500	ug/L			04/14/23 17:22	1
1,2-Dichloroethane	ND		0.500	ug/L			04/14/23 17:22	1
1,2-Dichloropropane	ND		0.500	ug/L			04/14/23 17:22	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			04/14/23 17:22	1
1,3-Dichlorobenzene	ND		0.500	ug/L			04/14/23 17:22	1
1,3-Dichloropropane	ND		0.500	ug/L			04/14/23 17:22	1
1,4-Dichlorobenzene	ND		0.500	ug/L			04/14/23 17:22	1
2,2-Dichloropropane	ND		0.500	ug/L			04/14/23 17:22	1
2-Butanone	ND		5.00	ug/L			04/14/23 17:22	1
2-Chlorotoluene	ND		0.500	ug/L			04/14/23 17:22	1
2-Hexanone	ND		5.00	ug/L			04/14/23 17:22	1
4-Chlorotoluene	ND		0.500	ug/L			04/14/23 17:22	1
4-Methyl-2-pentanone	ND		5.00	ug/L			04/14/23 17:22	1
Acetone	ND		10.0	ug/L			04/14/23 17:22	1
Acrylonitrile	ND		10.0	ug/L			04/14/23 17:22	1
Benzene	ND		0.500	ug/L			04/14/23 17:22	1
Bromobenzene	ND		0.500	ug/L			04/14/23 17:22	1
Bromochloromethane	ND		0.500	ug/L			04/14/23 17:22	1
Bromodichloromethane	ND		0.500	ug/L			04/14/23 17:22	1
Bromoform	ND		0.500	ug/L			04/14/23 17:22	1
Bromomethane	ND		0.500	ug/L			04/14/23 17:22	1
Carbon disulfide	ND		2.00	ug/L			04/14/23 17:22	1
Carbon tetrachloride	ND		0.500	ug/L			04/14/23 17:22	1
Chlorobenzene	ND		0.500	ug/L			04/14/23 17:22	1
Chloroethane	ND		0.500	ug/L			04/14/23 17:22	1
Chloroform	ND		0.500	ug/L			04/14/23 17:22	1
Chloromethane	ND		0.500	ug/L			04/14/23 17:22	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 17:22	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 17:22	1
Dibromochloromethane	ND		0.500	ug/L			04/14/23 17:22	1
Dibromomethane	ND		0.500	ug/L			04/14/23 17:22	1
Dichlorodifluoromethane	ND		0.500	ug/L			04/14/23 17:22	1
di-Isopropyl ether	ND		0.500	ug/L			04/14/23 17:22	1
Ethyl ether	ND		0.500	ug/L			04/14/23 17:22	1
Ethyl t-butyl ether	ND		0.500	ug/L			04/14/23 17:22	1
Ethylbenzene	ND		0.500	ug/L			04/14/23 17:22	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 714 Beecher Hill

Lab Sample ID: 620-10750-2

Date Collected: 04/05/23 15:10

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			04/14/23 17:22	1
Hexachlorobutadiene	ND		0.500	ug/L			04/14/23 17:22	1
Isopropylbenzene	ND		0.500	ug/L			04/14/23 17:22	1
m&p-Xylene	ND		1.00	ug/L			04/14/23 17:22	1
Methyl tertiary butyl ether	ND		0.500	ug/L			04/14/23 17:22	1
Methylene Chloride	ND		0.500	ug/L			04/14/23 17:22	1
Naphthalene	ND		0.500	ug/L			04/14/23 17:22	1
n-Butylbenzene	ND		0.500	ug/L			04/14/23 17:22	1
N-Propylbenzene	ND		0.500	ug/L			04/14/23 17:22	1
o-Xylene	ND		0.500	ug/L			04/14/23 17:22	1
p-Isopropyltoluene	ND		0.500	ug/L			04/14/23 17:22	1
sec-Butylbenzene	ND		0.500	ug/L			04/14/23 17:22	1
Styrene	ND		0.500	ug/L			04/14/23 17:22	1
t-Amyl methyl ether	ND		0.500	ug/L			04/14/23 17:22	1
t-Butyl alcohol	ND		25.0	ug/L			04/14/23 17:22	1
tert-Butylbenzene	ND		0.500	ug/L			04/14/23 17:22	1
Tetrachloroethene	ND		0.500	ug/L			04/14/23 17:22	1
Tetrahydrofuran	ND		7.00	ug/L			04/14/23 17:22	1
Toluene	ND		0.500	ug/L			04/14/23 17:22	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 17:22	1
Trichloroethene	ND		0.500	ug/L			04/14/23 17:22	1
Trichlorofluoromethane	ND		0.500	ug/L			04/14/23 17:22	1
Vinyl chloride	ND		0.500	ug/L			04/14/23 17:22	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120		04/14/23 17:22	1
4-Bromofluorobenzene (Surr)	98		80 - 120		04/14/23 17:22	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluoroheptanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorooctanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorononanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorodecanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorotridecanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorotetradecanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorobutanesulfonic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorohexanesulfonic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorooctanesulfonic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
NEtFOSAA	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
NMeFOSAA	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluoroundecanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1
Perfluorododecanoic acid	ND		1.66	ng/L		04/13/23 08:05	04/21/23 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130	04/13/23 08:05	04/21/23 00:36	1
13C2 PFHxA	103		70 - 130	04/13/23 08:05	04/21/23 00:36	1
13C3 HFPO-DA	97		70 - 130	04/13/23 08:05	04/21/23 00:36	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 714 Beecher Hill

Lab Sample ID: 620-10750-2

Date Collected: 04/05/23 15:10

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	95		70 - 130	04/13/23 08:05	04/21/23 00:36	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 455 North

Lab Sample ID: 620-10750-3

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 17:45	1
1,1,1-Trichloroethane	ND		0.500	ug/L			04/14/23 17:45	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 17:45	1
1,1,2-Trichloroethane	ND		0.500	ug/L			04/14/23 17:45	1
1,1-Dichloroethane	ND		0.500	ug/L			04/14/23 17:45	1
1,1-Dichloroethene	ND		0.500	ug/L			04/14/23 17:45	1
1,1-Dichloropropene	ND		0.500	ug/L			04/14/23 17:45	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			04/14/23 17:45	1
1,2,3-Trichloropropane	ND		0.500	ug/L			04/14/23 17:45	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			04/14/23 17:45	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			04/14/23 17:45	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			04/14/23 17:45	1
1,2-Dibromoethane	ND		0.500	ug/L			04/14/23 17:45	1
1,2-Dichlorobenzene	ND		0.500	ug/L			04/14/23 17:45	1
1,2-Dichloroethane	ND		0.500	ug/L			04/14/23 17:45	1
1,2-Dichloropropane	ND		0.500	ug/L			04/14/23 17:45	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			04/14/23 17:45	1
1,3-Dichlorobenzene	ND		0.500	ug/L			04/14/23 17:45	1
1,3-Dichloropropane	ND		0.500	ug/L			04/14/23 17:45	1
1,4-Dichlorobenzene	ND		0.500	ug/L			04/14/23 17:45	1
2,2-Dichloropropane	ND		0.500	ug/L			04/14/23 17:45	1
2-Butanone	ND		5.00	ug/L			04/14/23 17:45	1
2-Chlorotoluene	ND		0.500	ug/L			04/14/23 17:45	1
2-Hexanone	ND		5.00	ug/L			04/14/23 17:45	1
4-Chlorotoluene	ND		0.500	ug/L			04/14/23 17:45	1
4-Methyl-2-pentanone	ND		5.00	ug/L			04/14/23 17:45	1
Acetone	ND		10.0	ug/L			04/14/23 17:45	1
Acrylonitrile	ND		10.0	ug/L			04/14/23 17:45	1
Benzene	ND		0.500	ug/L			04/14/23 17:45	1
Bromobenzene	ND		0.500	ug/L			04/14/23 17:45	1
Bromochloromethane	ND		0.500	ug/L			04/14/23 17:45	1
Bromodichloromethane	ND		0.500	ug/L			04/14/23 17:45	1
Bromoform	ND		0.500	ug/L			04/14/23 17:45	1
Bromomethane	ND		0.500	ug/L			04/14/23 17:45	1
Carbon disulfide	ND		2.00	ug/L			04/14/23 17:45	1
Carbon tetrachloride	ND		0.500	ug/L			04/14/23 17:45	1
Chlorobenzene	ND		0.500	ug/L			04/14/23 17:45	1
Chloroethane	ND		0.500	ug/L			04/14/23 17:45	1
Chloroform	ND		0.500	ug/L			04/14/23 17:45	1
Chloromethane	ND		0.500	ug/L			04/14/23 17:45	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 17:45	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 17:45	1
Dibromochloromethane	ND		0.500	ug/L			04/14/23 17:45	1
Dibromomethane	ND		0.500	ug/L			04/14/23 17:45	1
Dichlorodifluoromethane	ND		0.500	ug/L			04/14/23 17:45	1
di-Isopropyl ether	ND		0.500	ug/L			04/14/23 17:45	1
Ethyl ether	ND		0.500	ug/L			04/14/23 17:45	1
Ethyl t-butyl ether	ND		0.500	ug/L			04/14/23 17:45	1
Ethylbenzene	ND		0.500	ug/L			04/14/23 17:45	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 455 North

Lab Sample ID: 620-10750-3

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			04/14/23 17:45	1
Hexachlorobutadiene	ND		0.500	ug/L			04/14/23 17:45	1
Isopropylbenzene	ND		0.500	ug/L			04/14/23 17:45	1
m&p-Xylene	ND		1.00	ug/L			04/14/23 17:45	1
Methyl tertiary butyl ether	ND		0.500	ug/L			04/14/23 17:45	1
Methylene Chloride	ND		0.500	ug/L			04/14/23 17:45	1
Naphthalene	ND		0.500	ug/L			04/14/23 17:45	1
n-Butylbenzene	ND		0.500	ug/L			04/14/23 17:45	1
N-Propylbenzene	ND		0.500	ug/L			04/14/23 17:45	1
o-Xylene	ND		0.500	ug/L			04/14/23 17:45	1
p-Isopropyltoluene	ND		0.500	ug/L			04/14/23 17:45	1
sec-Butylbenzene	ND		0.500	ug/L			04/14/23 17:45	1
Styrene	ND		0.500	ug/L			04/14/23 17:45	1
t-Amyl methyl ether	ND		0.500	ug/L			04/14/23 17:45	1
t-Butyl alcohol	ND		25.0	ug/L			04/14/23 17:45	1
tert-Butylbenzene	ND		0.500	ug/L			04/14/23 17:45	1
Tetrachloroethene	ND		0.500	ug/L			04/14/23 17:45	1
Tetrahydrofuran	ND		7.00	ug/L			04/14/23 17:45	1
Toluene	ND		0.500	ug/L			04/14/23 17:45	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 17:45	1
Trichloroethene	ND		0.500	ug/L			04/14/23 17:45	1
Trichlorofluoromethane	ND		0.500	ug/L			04/14/23 17:45	1
Vinyl chloride	ND		0.500	ug/L			04/14/23 17:45	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	101		80 - 120		04/14/23 17:45	1
4-Bromofluorobenzene (Surr)	97		80 - 120		04/14/23 17:45	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluoroheptanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorooctanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorononanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorodecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorotridecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorotetradecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorobutanesulfonic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorohexanesulfonic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorooctanesulfonic acid	3.21		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
NEtFOSAA	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
NMeFOSAA	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluoroundecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1
Perfluorododecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	99		70 - 130	04/13/23 08:05	04/21/23 00:46	1
13C2 PFHxA	103		70 - 130	04/13/23 08:05	04/21/23 00:46	1
13C3 HFPO-DA	96		70 - 130	04/13/23 08:05	04/21/23 00:46	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 455 North

Lab Sample ID: 620-10750-3

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	92		70 - 130	04/13/23 08:05	04/21/23 00:46	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 455 North-FD

Lab Sample ID: 620-10750-4

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 18:08	1
1,1,1-Trichloroethane	ND		0.500	ug/L			04/14/23 18:08	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 18:08	1
1,1,2-Trichloroethane	ND		0.500	ug/L			04/14/23 18:08	1
1,1-Dichloroethane	ND		0.500	ug/L			04/14/23 18:08	1
1,1-Dichloroethene	ND		0.500	ug/L			04/14/23 18:08	1
1,1-Dichloropropene	ND		0.500	ug/L			04/14/23 18:08	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			04/14/23 18:08	1
1,2,3-Trichloropropane	ND		0.500	ug/L			04/14/23 18:08	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			04/14/23 18:08	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			04/14/23 18:08	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			04/14/23 18:08	1
1,2-Dibromoethane	ND		0.500	ug/L			04/14/23 18:08	1
1,2-Dichlorobenzene	ND		0.500	ug/L			04/14/23 18:08	1
1,2-Dichloroethane	ND		0.500	ug/L			04/14/23 18:08	1
1,2-Dichloropropane	ND		0.500	ug/L			04/14/23 18:08	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			04/14/23 18:08	1
1,3-Dichlorobenzene	ND		0.500	ug/L			04/14/23 18:08	1
1,3-Dichloropropane	ND		0.500	ug/L			04/14/23 18:08	1
1,4-Dichlorobenzene	ND		0.500	ug/L			04/14/23 18:08	1
2,2-Dichloropropane	ND		0.500	ug/L			04/14/23 18:08	1
2-Butanone	ND		5.00	ug/L			04/14/23 18:08	1
2-Chlorotoluene	ND		0.500	ug/L			04/14/23 18:08	1
2-Hexanone	ND		5.00	ug/L			04/14/23 18:08	1
4-Chlorotoluene	ND		0.500	ug/L			04/14/23 18:08	1
4-Methyl-2-pentanone	ND		5.00	ug/L			04/14/23 18:08	1
Acetone	ND		10.0	ug/L			04/14/23 18:08	1
Acrylonitrile	ND		10.0	ug/L			04/14/23 18:08	1
Benzene	ND		0.500	ug/L			04/14/23 18:08	1
Bromobenzene	ND		0.500	ug/L			04/14/23 18:08	1
Bromochloromethane	ND		0.500	ug/L			04/14/23 18:08	1
Bromodichloromethane	ND		0.500	ug/L			04/14/23 18:08	1
Bromoform	ND		0.500	ug/L			04/14/23 18:08	1
Bromomethane	ND		0.500	ug/L			04/14/23 18:08	1
Carbon disulfide	ND		2.00	ug/L			04/14/23 18:08	1
Carbon tetrachloride	ND		0.500	ug/L			04/14/23 18:08	1
Chlorobenzene	ND		0.500	ug/L			04/14/23 18:08	1
Chloroethane	ND		0.500	ug/L			04/14/23 18:08	1
Chloroform	ND		0.500	ug/L			04/14/23 18:08	1
Chloromethane	ND		0.500	ug/L			04/14/23 18:08	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 18:08	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 18:08	1
Dibromochloromethane	ND		0.500	ug/L			04/14/23 18:08	1
Dibromomethane	ND		0.500	ug/L			04/14/23 18:08	1
Dichlorodifluoromethane	ND		0.500	ug/L			04/14/23 18:08	1
di-Isopropyl ether	ND		0.500	ug/L			04/14/23 18:08	1
Ethyl ether	ND		0.500	ug/L			04/14/23 18:08	1
Ethyl t-butyl ether	ND		0.500	ug/L			04/14/23 18:08	1
Ethylbenzene	ND		0.500	ug/L			04/14/23 18:08	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 455 North-FD

Lab Sample ID: 620-10750-4

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			04/14/23 18:08	1
Hexachlorobutadiene	ND		0.500	ug/L			04/14/23 18:08	1
Isopropylbenzene	ND		0.500	ug/L			04/14/23 18:08	1
m&p-Xylene	ND		1.00	ug/L			04/14/23 18:08	1
Methyl tertiary butyl ether	ND		0.500	ug/L			04/14/23 18:08	1
Methylene Chloride	ND		0.500	ug/L			04/14/23 18:08	1
Naphthalene	ND		0.500	ug/L			04/14/23 18:08	1
n-Butylbenzene	ND		0.500	ug/L			04/14/23 18:08	1
N-Propylbenzene	ND		0.500	ug/L			04/14/23 18:08	1
o-Xylene	ND		0.500	ug/L			04/14/23 18:08	1
p-Isopropyltoluene	ND		0.500	ug/L			04/14/23 18:08	1
sec-Butylbenzene	ND		0.500	ug/L			04/14/23 18:08	1
Styrene	ND		0.500	ug/L			04/14/23 18:08	1
t-Amyl methyl ether	ND		0.500	ug/L			04/14/23 18:08	1
t-Butyl alcohol	ND		25.0	ug/L			04/14/23 18:08	1
tert-Butylbenzene	ND		0.500	ug/L			04/14/23 18:08	1
Tetrachloroethene	ND		0.500	ug/L			04/14/23 18:08	1
Tetrahydrofuran	ND		7.00	ug/L			04/14/23 18:08	1
Toluene	ND		0.500	ug/L			04/14/23 18:08	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 18:08	1
Trichloroethene	ND		0.500	ug/L			04/14/23 18:08	1
Trichlorofluoromethane	ND		0.500	ug/L			04/14/23 18:08	1
Vinyl chloride	ND		0.500	ug/L			04/14/23 18:08	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	101		80 - 120		04/14/23 18:08	1
4-Bromofluorobenzene (Surr)	98		80 - 120		04/14/23 18:08	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluoroheptanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorooctanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorononanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorodecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorotridecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorotetradecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorobutanesulfonic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorohexanesulfonic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorooctanesulfonic acid	3.13		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
NEtFOSAA	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
NMeFOSAA	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluoroundecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1
Perfluorododecanoic acid	ND		1.69	ng/L		04/13/23 08:05	04/21/23 00:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	102		70 - 130	04/13/23 08:05	04/21/23 00:57	1
13C2 PFHxA	106		70 - 130	04/13/23 08:05	04/21/23 00:57	1
13C3 HFPO-DA	97		70 - 130	04/13/23 08:05	04/21/23 00:57	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 455 North-FD

Lab Sample ID: 620-10750-4

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	95		70 - 130	04/13/23 08:05	04/21/23 00:57	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 455 North-FRB

Lab Sample ID: 620-10750-5

Date Collected: 04/05/23 15:46

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluoroheptanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorooctanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorononanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorodecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorotridecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorotetradecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorobutanesulfonic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorohexanesulfonic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorooctanesulfonic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
NEtFOSAA	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
NMeFOSAA	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluoroundecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Perfluorododecanoic acid	ND		1.68	ng/L		04/13/23 08:05	04/21/23 01:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	100		70 - 130			04/13/23 08:05	04/21/23 01:07	1
13C2 PFHxA	110		70 - 130			04/13/23 08:05	04/21/23 01:07	1
13C3 HFPO-DA	101		70 - 130			04/13/23 08:05	04/21/23 01:07	1
d5-NEtFOSAA	97		70 - 130			04/13/23 08:05	04/21/23 01:07	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-10750-6

Date Collected: 04/05/23 08:00

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 16:35	1
1,1,1-Trichloroethane	ND		0.500	ug/L			04/14/23 16:35	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 16:35	1
1,1,2-Trichloroethane	ND		0.500	ug/L			04/14/23 16:35	1
1,1-Dichloroethane	ND		0.500	ug/L			04/14/23 16:35	1
1,1-Dichloroethene	ND		0.500	ug/L			04/14/23 16:35	1
1,1-Dichloropropene	ND		0.500	ug/L			04/14/23 16:35	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			04/14/23 16:35	1
1,2,3-Trichloropropane	ND		0.500	ug/L			04/14/23 16:35	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			04/14/23 16:35	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			04/14/23 16:35	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			04/14/23 16:35	1
1,2-Dibromoethane	ND		0.500	ug/L			04/14/23 16:35	1
1,2-Dichlorobenzene	ND		0.500	ug/L			04/14/23 16:35	1
1,2-Dichloroethane	ND		0.500	ug/L			04/14/23 16:35	1
1,2-Dichloropropane	ND		0.500	ug/L			04/14/23 16:35	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			04/14/23 16:35	1
1,3-Dichlorobenzene	ND		0.500	ug/L			04/14/23 16:35	1
1,3-Dichloropropane	ND		0.500	ug/L			04/14/23 16:35	1
1,4-Dichlorobenzene	ND		0.500	ug/L			04/14/23 16:35	1
2,2-Dichloropropane	ND		0.500	ug/L			04/14/23 16:35	1
2-Butanone	ND		5.00	ug/L			04/14/23 16:35	1
2-Chlorotoluene	ND		0.500	ug/L			04/14/23 16:35	1
2-Hexanone	ND		5.00	ug/L			04/14/23 16:35	1
4-Chlorotoluene	ND		0.500	ug/L			04/14/23 16:35	1
4-Methyl-2-pentanone	ND		5.00	ug/L			04/14/23 16:35	1
Acetone	ND		10.0	ug/L			04/14/23 16:35	1
Acrylonitrile	ND		10.0	ug/L			04/14/23 16:35	1
Benzene	ND		0.500	ug/L			04/14/23 16:35	1
Bromobenzene	ND		0.500	ug/L			04/14/23 16:35	1
Bromochloromethane	ND		0.500	ug/L			04/14/23 16:35	1
Bromodichloromethane	ND		0.500	ug/L			04/14/23 16:35	1
Bromoform	ND		0.500	ug/L			04/14/23 16:35	1
Bromomethane	ND		0.500	ug/L			04/14/23 16:35	1
Carbon disulfide	ND		2.00	ug/L			04/14/23 16:35	1
Carbon tetrachloride	ND		0.500	ug/L			04/14/23 16:35	1
Chlorobenzene	ND		0.500	ug/L			04/14/23 16:35	1
Chloroethane	ND		0.500	ug/L			04/14/23 16:35	1
Chloroform	ND		0.500	ug/L			04/14/23 16:35	1
Chloromethane	ND		0.500	ug/L			04/14/23 16:35	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 16:35	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 16:35	1
Dibromochloromethane	ND		0.500	ug/L			04/14/23 16:35	1
Dibromomethane	ND		0.500	ug/L			04/14/23 16:35	1
Dichlorodifluoromethane	ND		0.500	ug/L			04/14/23 16:35	1
di-Isopropyl ether	ND		0.500	ug/L			04/14/23 16:35	1
Ethyl ether	ND		0.500	ug/L			04/14/23 16:35	1
Ethyl t-butyl ether	ND		0.500	ug/L			04/14/23 16:35	1
Ethylbenzene	ND		0.500	ug/L			04/14/23 16:35	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-10750-6

Date Collected: 04/05/23 08:00

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			04/14/23 16:35	1
Hexachlorobutadiene	ND		0.500	ug/L			04/14/23 16:35	1
Isopropylbenzene	ND		0.500	ug/L			04/14/23 16:35	1
m&p-Xylene	ND		1.00	ug/L			04/14/23 16:35	1
Methyl tertiary butyl ether	ND		0.500	ug/L			04/14/23 16:35	1
Methylene Chloride	ND		0.500	ug/L			04/14/23 16:35	1
Naphthalene	ND		0.500	ug/L			04/14/23 16:35	1
n-Butylbenzene	ND		0.500	ug/L			04/14/23 16:35	1
N-Propylbenzene	ND		0.500	ug/L			04/14/23 16:35	1
o-Xylene	ND		0.500	ug/L			04/14/23 16:35	1
p-Isopropyltoluene	ND		0.500	ug/L			04/14/23 16:35	1
sec-Butylbenzene	ND		0.500	ug/L			04/14/23 16:35	1
Styrene	ND		0.500	ug/L			04/14/23 16:35	1
t-Amyl methyl ether	ND		0.500	ug/L			04/14/23 16:35	1
t-Butyl alcohol	ND		25.0	ug/L			04/14/23 16:35	1
tert-Butylbenzene	ND		0.500	ug/L			04/14/23 16:35	1
Tetrachloroethene	ND		0.500	ug/L			04/14/23 16:35	1
Tetrahydrofuran	ND		7.00	ug/L			04/14/23 16:35	1
Toluene	ND		0.500	ug/L			04/14/23 16:35	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 16:35	1
Trichloroethene	ND		0.500	ug/L			04/14/23 16:35	1
Trichlorofluoromethane	ND		0.500	ug/L			04/14/23 16:35	1
Vinyl chloride	ND		0.500	ug/L			04/14/23 16:35	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	101		80 - 120		04/14/23 16:35	1
4-Bromofluorobenzene (Surr)	99		80 - 120		04/14/23 16:35	1

Surrogate Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCZ (80-120)	BFB (80-120)
620-10750-1	206 Forest Edge	101	96
620-10750-2	714 Beecher Hill	102	98
620-10750-3	455 North	101	97
620-10750-4	455 North-FD	101	98
620-10750-6	Trip Blank	101	99
LCS 410-364527/4	Lab Control Sample	106	102
MB 410-364527/6	Method Blank	99	97

Surrogate Legend
 DCZ = 1,2-Dichlorobenzene-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		PFDA (70-130)	PFHxA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)
620-10750-1	206 Forest Edge	104	105	99	100
620-10750-2	714 Beecher Hill	98	103	97	95
620-10750-3	455 North	99	103	96	92
620-10750-4	455 North-FD	102	106	97	95
620-10750-5	455 North-FRB	100	110	101	97
LCS 410-363932/2-A	Lab Control Sample	102	99	97	111
LLCS 410-363932/3-A	Lab Control Sample	105	99	99	108
MB 410-363932/1-A	Method Blank	102	103	99	106

Surrogate Legend
 PFDA = 13C2 PFDA
 PFHxA = 13C2 PFHxA
 HFPODA = 13C3 HFPO-DA
 d5NEFOS = d5-NEtFOSAA

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-364527/6
Matrix: Drinking Water
Analysis Batch: 364527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 15:02	1
1,1,1-Trichloroethane	ND		0.500	ug/L			04/14/23 15:02	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			04/14/23 15:02	1
1,1,2-Trichloroethane	ND		0.500	ug/L			04/14/23 15:02	1
1,1-Dichloroethane	ND		0.500	ug/L			04/14/23 15:02	1
1,1-Dichloroethene	ND		0.500	ug/L			04/14/23 15:02	1
1,1-Dichloropropene	ND		0.500	ug/L			04/14/23 15:02	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			04/14/23 15:02	1
1,2,3-Trichloropropane	ND		0.500	ug/L			04/14/23 15:02	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			04/14/23 15:02	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			04/14/23 15:02	1
1,2-Dibromoethane	ND		0.500	ug/L			04/14/23 15:02	1
1,2-Dichlorobenzene	ND		0.500	ug/L			04/14/23 15:02	1
1,2-Dichloroethane	ND		0.500	ug/L			04/14/23 15:02	1
1,2-Dichloropropane	ND		0.500	ug/L			04/14/23 15:02	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
1,3-Dichlorobenzene	ND		0.500	ug/L			04/14/23 15:02	1
1,3-Dichloropropane	ND		0.500	ug/L			04/14/23 15:02	1
1,4-Dichlorobenzene	ND		0.500	ug/L			04/14/23 15:02	1
2,2-Dichloropropane	ND		0.500	ug/L			04/14/23 15:02	1
2-Butanone	ND		5.00	ug/L			04/14/23 15:02	1
2-Chlorotoluene	ND		0.500	ug/L			04/14/23 15:02	1
2-Hexanone	ND		5.00	ug/L			04/14/23 15:02	1
4-Chlorotoluene	ND		0.500	ug/L			04/14/23 15:02	1
4-Methyl-2-pentanone	ND		5.00	ug/L			04/14/23 15:02	1
Acetone	ND		10.0	ug/L			04/14/23 15:02	1
Acrylonitrile	ND		10.0	ug/L			04/14/23 15:02	1
Benzene	ND		0.500	ug/L			04/14/23 15:02	1
Bromobenzene	ND		0.500	ug/L			04/14/23 15:02	1
Bromochloromethane	ND		0.500	ug/L			04/14/23 15:02	1
Bromodichloromethane	ND		0.500	ug/L			04/14/23 15:02	1
Bromoform	ND		0.500	ug/L			04/14/23 15:02	1
Bromomethane	ND		0.500	ug/L			04/14/23 15:02	1
Carbon disulfide	ND		2.00	ug/L			04/14/23 15:02	1
Carbon tetrachloride	ND		0.500	ug/L			04/14/23 15:02	1
Chlorobenzene	ND		0.500	ug/L			04/14/23 15:02	1
Chloroethane	ND		0.500	ug/L			04/14/23 15:02	1
Chloroform	ND		0.500	ug/L			04/14/23 15:02	1
Chloromethane	ND		0.500	ug/L			04/14/23 15:02	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 15:02	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 15:02	1
Dibromochloromethane	ND		0.500	ug/L			04/14/23 15:02	1
Dibromomethane	ND		0.500	ug/L			04/14/23 15:02	1
Dichlorodifluoromethane	ND		0.500	ug/L			04/14/23 15:02	1
di-Isopropyl ether	ND		0.500	ug/L			04/14/23 15:02	1
Ethyl ether	ND		0.500	ug/L			04/14/23 15:02	1
Ethyl t-butyl ether	ND		0.500	ug/L			04/14/23 15:02	1

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-364527/6
Matrix: Drinking Water
Analysis Batch: 364527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
Freon 113	ND		0.500	ug/L			04/14/23 15:02	1
Hexachlorobutadiene	ND		0.500	ug/L			04/14/23 15:02	1
Isopropylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
m&p-Xylene	ND		1.00	ug/L			04/14/23 15:02	1
Methyl tertiary butyl ether	ND		0.500	ug/L			04/14/23 15:02	1
Methylene Chloride	ND		0.500	ug/L			04/14/23 15:02	1
Naphthalene	ND		0.500	ug/L			04/14/23 15:02	1
n-Butylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
N-Propylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
o-Xylene	ND		0.500	ug/L			04/14/23 15:02	1
p-Isopropyltoluene	ND		0.500	ug/L			04/14/23 15:02	1
sec-Butylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
Styrene	ND		0.500	ug/L			04/14/23 15:02	1
t-Amyl methyl ether	ND		0.500	ug/L			04/14/23 15:02	1
t-Butyl alcohol	ND		25.0	ug/L			04/14/23 15:02	1
tert-Butylbenzene	ND		0.500	ug/L			04/14/23 15:02	1
Tetrachloroethene	ND		0.500	ug/L			04/14/23 15:02	1
Tetrahydrofuran	ND		7.00	ug/L			04/14/23 15:02	1
Toluene	ND		0.500	ug/L			04/14/23 15:02	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			04/14/23 15:02	1
Trichloroethene	ND		0.500	ug/L			04/14/23 15:02	1
Trichlorofluoromethane	ND		0.500	ug/L			04/14/23 15:02	1
Vinyl chloride	ND		0.500	ug/L			04/14/23 15:02	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			04/14/23 15:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichlorobenzene-d4 (Surr)	99		80 - 120		04/14/23 15:02	1
4-Bromofluorobenzene (Surr)	97		80 - 120		04/14/23 15:02	1

Lab Sample ID: LCS 410-364527/4
Matrix: Drinking Water
Analysis Batch: 364527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	5.00	5.026		ug/L		101	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.385		ug/L		108	70 - 130
1,1,2-Trichloroethane	5.00	5.114		ug/L		102	70 - 130
1,1-Dichloroethane	5.00	4.632		ug/L		93	70 - 130
1,1-Dichloroethene	5.00	4.843		ug/L		97	70 - 130
1,1-Dichloropropene	5.00	4.930		ug/L		99	70 - 130
1,2,3-Trichlorobenzene	5.00	5.397		ug/L		108	70 - 130
1,2,3-Trichloropropane	5.00	5.342		ug/L		107	70 - 130
1,2,4-Trichlorobenzene	5.00	5.251		ug/L		105	70 - 130
1,2,4-Trimethylbenzene	5.00	5.004		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	5.466		ug/L		109	70 - 130
1,2-Dibromoethane	5.00	5.354		ug/L		107	70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-364527/4

Matrix: Drinking Water

Analysis Batch: 364527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1,2-Dichlorobenzene	5.00	5.237		ug/L		105	70 - 130
1,2-Dichloroethane	5.00	5.170		ug/L		103	70 - 130
1,2-Dichloropropane	5.00	5.035		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	5.00	4.989		ug/L		100	70 - 130
1,3-Dichlorobenzene	5.00	5.200		ug/L		104	70 - 130
1,3-Dichloropropane	5.00	5.170		ug/L		103	70 - 130
1,4-Dichlorobenzene	5.00	5.483		ug/L		110	70 - 130
2,2-Dichloropropane	5.00	4.957		ug/L		99	70 - 130
2-Butanone	62.5	71.94		ug/L		115	70 - 130
2-Chlorotoluene	5.00	5.062		ug/L		101	70 - 130
2-Hexanone	62.5	62.78		ug/L		100	70 - 130
4-Chlorotoluene	5.00	5.156		ug/L		103	70 - 130
4-Methyl-2-pentanone	62.5	62.84		ug/L		101	70 - 130
Acetone	62.5	78.80		ug/L		126	70 - 130
Acrylonitrile	113	129.5		ug/L		115	70 - 130
Benzene	5.00	5.057		ug/L		101	70 - 130
Bromobenzene	5.00	5.320		ug/L		106	70 - 130
Bromochloromethane	5.00	5.281		ug/L		106	70 - 130
Bromodichloromethane	5.00	5.206		ug/L		104	70 - 130
Bromoform	5.00	5.535		ug/L		111	70 - 130
Bromomethane	2.00	2.181		ug/L		109	70 - 130
Carbon disulfide	5.00	4.486		ug/L		90	70 - 130
Carbon tetrachloride	5.00	5.030		ug/L		101	70 - 130
Chlorobenzene	5.00	5.006		ug/L		100	70 - 130
Chloroethane	2.00	2.124		ug/L		106	70 - 130
Chloroform	5.00	5.056		ug/L		101	70 - 130
Chloromethane	2.00	1.835		ug/L		92	70 - 130
cis-1,2-Dichloroethene	5.00	5.065		ug/L		101	70 - 130
cis-1,3-Dichloropropene	5.00	4.838		ug/L		97	70 - 130
Dibromochloromethane	5.00	5.445		ug/L		109	70 - 130
Dibromomethane	5.00	5.381		ug/L		108	70 - 130
Dichlorodifluoromethane	2.00	1.988		ug/L		99	70 - 130
di-Isopropyl ether	5.00	4.669		ug/L		93	70 - 130
Ethyl ether	5.00	4.237		ug/L		85	70 - 130
Ethyl t-butyl ether	5.00	4.661		ug/L		93	70 - 130
Ethylbenzene	5.00	4.890		ug/L		98	70 - 130
Freon 113	5.00	4.658		ug/L		93	70 - 130
Hexachlorobutadiene	5.00	5.786		ug/L		116	70 - 130
Isopropylbenzene	5.00	4.948		ug/L		99	70 - 130
m&p-Xylene	10.0	10.12		ug/L		101	70 - 130
Methyl tertiary butyl ether	5.00	4.707		ug/L		94	70 - 130
Methylene Chloride	5.00	5.012		ug/L		100	70 - 130
Naphthalene	5.00	4.942		ug/L		99	70 - 130
n-Butylbenzene	5.00	5.086		ug/L		102	70 - 130
N-Propylbenzene	5.00	5.037		ug/L		101	70 - 130
o-Xylene	5.00	4.937		ug/L		99	70 - 130
p-Isopropyltoluene	5.00	5.036		ug/L		101	70 - 130
sec-Butylbenzene	5.00	5.059		ug/L		101	70 - 130
Styrene	5.00	5.121		ug/L		102	70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-364527/4

Matrix: Drinking Water

Analysis Batch: 364527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
t-Amyl methyl ether	5.00	4.648		ug/L		93	70 - 130
t-Butyl alcohol	50.0	65.09		ug/L		130	70 - 130
tert-Butylbenzene	5.00	5.014		ug/L		100	70 - 130
Tetrachloroethene	5.00	5.017		ug/L		100	70 - 130
Tetrahydrofuran	46.9	46.67		ug/L		100	70 - 130
Toluene	5.00	4.918		ug/L		98	70 - 130
trans-1,2-Dichloroethene	5.00	4.816		ug/L		96	70 - 130
Trichloroethene	5.00	4.825		ug/L		97	70 - 130
Trichlorofluoromethane	2.00	1.841		ug/L		92	70 - 130
Vinyl chloride	2.00	2.006		ug/L		100	70 - 130
trans-1,3-Dichloropropene	5.00	4.888		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Lab Sample ID: MB 410-363932/1-A

Matrix: Drinking Water

Analysis Batch: 366204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 363932

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluoroheptanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorooctanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorononanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorodecanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorotridecanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
NEtFOSAA	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
NMeFOSAA	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluoroundecanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1
Perfluorododecanoic acid	ND		2.00	ng/L		04/13/23 08:05	04/20/23 21:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	102		70 - 130	04/13/23 08:05	04/20/23 21:25	1
13C2 PFHxA	103		70 - 130	04/13/23 08:05	04/20/23 21:25	1
13C3 HFPO-DA	99		70 - 130	04/13/23 08:05	04/20/23 21:25	1
d5-NEtFOSAA	106		70 - 130	04/13/23 08:05	04/20/23 21:25	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LCS 410-363932/2-A

Matrix: Drinking Water

Analysis Batch: 366204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 363932

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	20.5	18.77		ng/L		92	70 - 130
Perfluoroheptanoic acid	20.5	18.97		ng/L		93	70 - 130
Perfluorooctanoic acid	20.5	18.83		ng/L		92	70 - 130
Perfluorononanoic acid	20.5	18.99		ng/L		93	70 - 130
Perfluorodecanoic acid	20.5	18.67		ng/L		91	70 - 130
Perfluorotridecanoic acid	20.5	17.24		ng/L		84	70 - 130
Perfluorotetradecanoic acid	20.5	18.59		ng/L		91	70 - 130
Perfluorobutanesulfonic acid	18.1	15.46		ng/L		85	70 - 130
Perfluorohexanesulfonic acid	18.7	16.89		ng/L		90	70 - 130
Perfluorooctanesulfonic acid	19.0	16.62		ng/L		88	70 - 130
NEtFOSAA	20.5	19.77		ng/L		97	70 - 130
NMeFOSAA	20.5	17.50		ng/L		85	70 - 130
Perfluoroundecanoic acid	20.5	18.10		ng/L		88	70 - 130
Perfluorododecanoic acid	20.5	18.54		ng/L		91	70 - 130
HFPODA	20.5	18.25		ng/L		89	70 - 130
9CI-PF3ONS	19.0	16.89		ng/L		89	70 - 130
11CI-PF3OUdS	19.0	15.80		ng/L		83	70 - 130
DONA	19.4	17.94		ng/L		93	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	102		70 - 130
13C2 PFHxA	99		70 - 130
13C3 HFPO-DA	97		70 - 130
d5-NEtFOSAA	111		70 - 130

Lab Sample ID: LLCS 410-363932/3-A

Matrix: Drinking Water

Analysis Batch: 366204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 363932

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	1.92	1.852	J	ng/L		96	50 - 150
Perfluoroheptanoic acid	1.92	1.759	J	ng/L		92	50 - 150
Perfluorooctanoic acid	1.92	1.803	J	ng/L		94	50 - 150
Perfluorononanoic acid	1.92	1.830	J	ng/L		95	50 - 150
Perfluorodecanoic acid	1.92	1.709	J	ng/L		89	50 - 150
Perfluorotridecanoic acid	1.92	1.703	J	ng/L		89	50 - 150
Perfluorotetradecanoic acid	1.92	1.777	J	ng/L		93	50 - 150
Perfluorobutanesulfonic acid	1.70	1.439	J	ng/L		85	50 - 150
Perfluorohexanesulfonic acid	1.75	1.490	J	ng/L		85	50 - 150
Perfluorooctanesulfonic acid	1.78	1.645	J	ng/L		93	50 - 150
NEtFOSAA	1.92	1.673	J	ng/L		87	50 - 150
NMeFOSAA	1.92	1.644	J	ng/L		86	50 - 150
Perfluoroundecanoic acid	1.92	1.701	J	ng/L		89	50 - 150
Perfluorododecanoic acid	1.92	1.717	J	ng/L		89	50 - 150
HFPODA	1.92	1.755	J	ng/L		91	50 - 150
9CI-PF3ONS	1.79	1.639	J	ng/L		92	50 - 150
11CI-PF3OUdS	1.79	1.562	J	ng/L		87	50 - 150
DONA	1.81	1.723	J	ng/L		95	50 - 150

Eurofins New England

QC Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LLCS 410-363932/3-A

Matrix: Drinking Water

Analysis Batch: 366204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 363932

Surrogate	LLCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	105		70 - 130
13C2 PFHxA	99		70 - 130
13C3 HFPO-DA	99		70 - 130
d5-NEtFOSAA	108		70 - 130

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QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

GC/MS VOA

Analysis Batch: 364527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-10750-1	206 Forest Edge	Total/NA	Drinking Water	524.2	
620-10750-2	714 Beecher Hill	Total/NA	Drinking Water	524.2	
620-10750-3	455 North	Total/NA	Drinking Water	524.2	
620-10750-4	455 North-FD	Total/NA	Drinking Water	524.2	
620-10750-6	Trip Blank	Total/NA	Drinking Water	524.2	
MB 410-364527/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-364527/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

LCMS

Prep Batch: 363932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-10750-1	206 Forest Edge	Total/NA	Drinking Water	537.1 DW Prep	
620-10750-2	714 Beecher Hill	Total/NA	Drinking Water	537.1 DW Prep	
620-10750-3	455 North	Total/NA	Drinking Water	537.1 DW Prep	
620-10750-4	455 North-FD	Total/NA	Drinking Water	537.1 DW Prep	
620-10750-5	455 North-FRB	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-363932/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-363932/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LLCS 410-363932/3-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 366204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-10750-1	206 Forest Edge	Total/NA	Drinking Water	EPA 537.1	363932
620-10750-2	714 Beecher Hill	Total/NA	Drinking Water	EPA 537.1	363932
620-10750-3	455 North	Total/NA	Drinking Water	EPA 537.1	363932
620-10750-4	455 North-FD	Total/NA	Drinking Water	EPA 537.1	363932
620-10750-5	455 North-FRB	Total/NA	Drinking Water	EPA 537.1	363932
MB 410-363932/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	363932
LCS 410-363932/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	363932
LLCS 410-363932/3-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	363932

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Client Sample ID: 206 Forest Edge

Lab Sample ID: 620-10750-1

Date Collected: 04/05/23 14:25

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	364527	UJML	ELLE	04/14/23 16:59
Total/NA	Prep	537.1 DW Prep			363932	HQ8B	ELLE	04/13/23 08:05
Total/NA	Analysis	EPA 537.1		1	366204	DCS9	ELLE	04/21/23 00:25

Client Sample ID: 714 Beecher Hill

Lab Sample ID: 620-10750-2

Date Collected: 04/05/23 15:10

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	364527	UJML	ELLE	04/14/23 17:22
Total/NA	Prep	537.1 DW Prep			363932	HQ8B	ELLE	04/13/23 08:05
Total/NA	Analysis	EPA 537.1		1	366204	DCS9	ELLE	04/21/23 00:36

Client Sample ID: 455 North

Lab Sample ID: 620-10750-3

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	364527	UJML	ELLE	04/14/23 17:45
Total/NA	Prep	537.1 DW Prep			363932	HQ8B	ELLE	04/13/23 08:05
Total/NA	Analysis	EPA 537.1		1	366204	DCS9	ELLE	04/21/23 00:46

Client Sample ID: 455 North-FD

Lab Sample ID: 620-10750-4

Date Collected: 04/05/23 15:40

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	364527	UJML	ELLE	04/14/23 18:08
Total/NA	Prep	537.1 DW Prep			363932	HQ8B	ELLE	04/13/23 08:05
Total/NA	Analysis	EPA 537.1		1	366204	DCS9	ELLE	04/21/23 00:57

Client Sample ID: 455 North-FRB

Lab Sample ID: 620-10750-5

Date Collected: 04/05/23 15:46

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			363932	HQ8B	ELLE	04/13/23 08:05
Total/NA	Analysis	EPA 537.1		1	366204	DCS9	ELLE	04/21/23 01:07

Client Sample ID: Trip Blank

Lab Sample ID: 620-10750-6

Date Collected: 04/05/23 08:00

Matrix: Drinking Water

Date Received: 04/10/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	364527	UJML	ELLE	04/14/23 16:35

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	di-Isopropyl ether
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl t-butyl ether
524.2		Drinking Water	Freon 113
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	t-Amyl methyl ether
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	Tetrahydrofuran



Method Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-10750-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-10750-1	206 Forest Edge	Drinking Water	04/05/23 14:25	04/10/23 09:30
620-10750-2	714 Beecher Hill	Drinking Water	04/05/23 15:10	04/10/23 09:30
620-10750-3	455 North	Drinking Water	04/05/23 15:40	04/10/23 09:30
620-10750-4	455 North-FD	Drinking Water	04/05/23 15:40	04/10/23 09:30
620-10750-5	455 North-FRB	Drinking Water	04/05/23 15:46	04/10/23 09:30
620-10750-6	Trip Blank	Drinking Water	04/05/23 08:00	04/10/23 09:30

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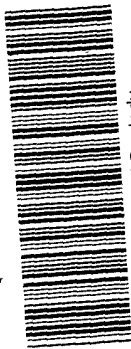
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10750

Chain of Custody Record

620-10750 Chain of Custody

Lab PM: Huntley, Agnes R
 Carrier Tracking No(s): 620-9407-1193 1
 State of Origin: VT
 Page: Page 1 of 1

Sampler: Katrina Mattice
 E-Mail: Agnes.Huntley@et.eurofins.com
 Phone: 802.229.6434
 PWSID: 20211205

Due Date Requested: Standard

TAT Requested (days): Standard

Compliance Project: Yes No

PO #: 20211205
 WO #: 20211205
 Project #: 62000809
 SSOW#: Hinesburg LF

Address: 535 Stone Cutters Way
 City: Montpelier
 State: VT
 Zip: 05602
 Phone: 802-229-6434(Tel)
 Email: kmattice@stone-env.com
 Project Name: Town of Hinesburg Landfill - Hinesburg
 Site: Hinesburg LF

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2 Preserved - (MOD) Regulated + THMs	Analysis Requested		Special Instructions/Note:
								HA	Total Number of Containers	
01 206 Forest Edge	4/5/23	1425	G	Drinking Water	X	X	X			water aerated
02 714 Beecher Hill	4/5/23	1510	G	Drinking Water	X	X	X			
03 455 North	4/5/23	1540	G	Drinking Water	X	X	X			
04 455 North - FB	4/5/23	1540	G	Drinking Water	X	X	X			PEAS only
05 455 North - FRB	4/5/23	1546	G	Drinking Water	X	X	X			PEAS only
06 Trip Blank	4/5/23	0800	G	Drinking Water	X	X	X			PEAS only

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Anchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 Other

Special Instructions/Note:
 water aerated
 PEAS only
 PEAS only

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested I, II, III, IV, Other (specify) II

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: Katrina Mattice Date/Time: 4/5/23 1645 Company: ENA

Relinquished by: [Signature] Date/Time: 4/17/23 1630 Company: ETA BUN

Relinquished by: [Signature] Date/Time: 4/10/23 9:30 Company: FedEx

Custody Seal No: _____ Custody Seal No: _____
 Yes No

Cooler Temperature(s) °C and Other Remarks: COOL -1.2 COOL -1.0 #6

Special Instructions/QC Requirements: Return To Client Disposal By Lab Archive For _____ Months

Method of Shipment: _____

Received by: [Signature] Date/Time: 4/5/23 1645 Company: ENA

Received by: FedEx Date/Time: _____ Company: _____

Received by: [Signature] Date/Time: 4/10/23 9:30 Company: ENE



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Part # 159459-434 MTTW EXP 12/23

ORIGIN ID: BTVA (802) 660-1990
 SAMPLE RECEIVING
 TEST AMERICA
 530 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

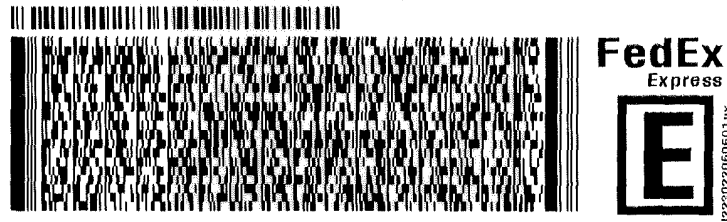
SHIP DATE: 07APR23
 ACTWGT: 29.90 LB MAN
 CAD: 000890364/CAFE3621
 DIMS: 22x11x12 IN
 BILL RECIPIENT

**TO SAMPLE RECEIVING
 EUROFINS NEW ENGLAND
 646 CAMP AVE
 NORTH KINGSTOWN RI 02852**

9237/4JH4/PJCS3

INV: REF: DEPT:
 PO:

15.



FedEx Express
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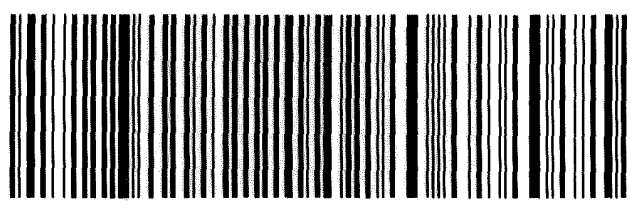
Delivery

TRK# 6362 6306 6387
 0201

**SATURDAY 12:00P
 PRIORITY OVERNIGHT**

XO NCOA

**02852
 RI - US PVD**



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-9018.1															
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofins.us		State of Origin: Vermont		Page: Page 1 of 1															
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Vermont				Job #: 620-10750-1															
Address: 2425 New Holland Pike,		Due Date Requested: 4/23/2023		Analysis Requested						Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:													
City: Lancaster		TAT Requested (days):																					
State, Zip: PA, 17601		PO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18		524.2_Preserved/ (MOD) Regulated + THMs		PRE_SCREEN		Total Number of containers									
Phone: 717-656-2300(Tel)		WO #:																					
Email:		Project #: 62000809		Project Name: Town of Hinesburg Landfill - Hinesburg,		SSOW#:		Site:		Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=water/Oil, BT=Tissue, A=Air)		Preservation Code:		Special Instructions/Note:	
206 Forest Edge (620-10750-1)		4/5/23		14:25 Eastern		Drinking Water		X		X		X		5		VT VGES/MCL							
714 Beecher Hill (620-10750-2)		4/5/23		15:10 Eastern		Drinking Water		X		X		X		5		VT VGES/MCL							
455 North (620-10750-3)		4/5/23		15:40 Eastern		Drinking Water		X		X		X		5		VT VGES/MCL							
455 North-FD (620-10750-4)		4/5/23		15:40 Eastern		Drinking Water		X		X		X		5		VT VGES/MCL							
455 North-FRB (620-10750-5)		4/5/23		15:46 Eastern		Drinking Water		X						2		VT VGES/MCL							
Trip Blank (620-10750-6)		4/5/23		08:00 Eastern		Drinking Water				X		X		2									
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.</p>																							
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
Unconfirmed										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months													
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2					Special Instructions/QC Requirements:													
Empty Kit Relinquished by:					Date:					Time:					Method of Shipment:								
Relinquished by: <i>[Signature]</i>					Date/Time: 4/10/23 16:47					Company: FIVE					Received by: Fed Ex								
Relinquished by:					Date/Time:					Company:					Received by:								
Relinquished by:					Date/Time:					Company:					Received by: <i>[Signature]</i>								
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Custody Seal No.:					Cooler Temperature(s) °C and Other Remarks: 1.4													



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-10750-1

Login Number: 10750

List Number: 1

Creator: Makhoul, Elie

List Source: Eurofins New England

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	
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: Stone Environmental

Job Number: 620-10750-1

Login Number: 10750

List Number: 2

Creator: McBeth, Jessica

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 04/11/23 11:33 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	False	Headspace greater than 6mm in diameter in some but not all containers



ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Katrina Mattice
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 7/24/2023 5:48:02 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-11894-2

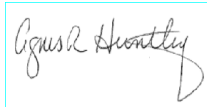
Eurofins New England

Job Notes

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

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

Authorization



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Authorized for release by
Agnes Huntley, Project Manager
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Definitions/Glossary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Qualifiers

LCMS

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.

Glossary

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

Case Narrative

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Job ID: 620-11894-2

Laboratory: Eurofins New England

Narrative

Job Narrative 620-11894-2

Comments

No additional comments.

Receipt

The samples were received on 6/2/2023 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.6° C, 2.6° C and 3.8° C.

LCMS

Method 537 (modified): The recovery for the labeled isotope(s) 13C4 PFBA in the following sample: MW-2D (620-11894-2) is outside the QC acceptance limits. The client was contacted and the data is reported.

Method 537 (modified): Reporting limits were raised for the following samples: EB-053023 (620-11894-14) and MW-1R (620-11894-15) due to limited sample volume.

Method 537 (modified): The sample injection standard peak areas in the following sample: MW-4S (620-11894-13) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

Method 537 (modified): The recovery for the labeled isotope(s) 13C3 PFBS and 13C5 PFPeA in the following sample: MW-4S (620-11894-13) are outside the QC acceptance limits due to the matrix of the sample.

Method 537 (modified): The recovery for labeled isotope: d5-NEtFOSAA is outside the QC acceptance limits in the closing continuing calibration verification standard. Since the recovery for the labeled isotope is within QC limits in the following samples: MW-3D (620-11894-16), MW-3D-FD (620-11894-17) and MW-3S (620-11894-18), the data is reported.

Method 537 (modified): The recovery for the labeled isotope: 13C4 PFBA in the following samples: MW-3D (620-11894-16), MW-3D-FD (620-11894-17) and MW-3S (620-11894-18) is outside the QC acceptance limits. The client was contacted and the data is reported

Method 537 (modified): The sample injection standard peak areas in the following sample: MW-3D (620-11894-16) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

The recovery for the labeled isotope(s) M2-4:2 FTS in the following sample: MW-3D (620-11894-16) is outside the QC acceptance limits due to the matrix of the sample

Method 537 (modified): The sample injection standard peak areas in the following sample: MW-3D-FD (620-11894-17) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

The recovery for the labeled isotope(s) M2-4:2 FTS, M2-6:2 FTS and 13C3 PFBS in the following sample: MW-3D-FD (620-11894-17) is outside the QC acceptance limits due to the matrix of the sample

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

Organic Prep

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

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-2S

Lab Sample ID: 620-11894-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.93		1.88	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	2.90		1.88	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	11.4		1.88	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	3.84		1.88	ng/L	1		537 IDA	Total/NA

Client Sample ID: MW-2D

Lab Sample ID: 620-11894-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.41		2.02	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	5.12		2.02	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	2.10		2.02	ng/L	1		537 IDA	Total/NA

Client Sample ID: FRB-053023

Lab Sample ID: 620-11894-3

No Detections.

Client Sample ID: 56 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-4

No Detections.

Client Sample ID: 56 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	1.90		1.74	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	5.29		1.74	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.68		1.74	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 56 Forest Edge Rd-Inf_FD

Lab Sample ID: 620-11894-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	2.24		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	5.88		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	1.84		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.95		1.72	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 685 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-7

No Detections.

Client Sample ID: 685 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-8

No Detections.

Client Sample ID: 685 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	2.02		1.62	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	5.49		1.62	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	1.75		1.62	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.66		1.62	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 455 North Rd

Lab Sample ID: 620-11894-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid	2.70		1.60	ng/L	1		EPA 537.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-4D

Lab Sample ID: 620-11894-12

No Detections.

Client Sample ID: MW-4S

Lab Sample ID: 620-11894-13

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	9.23		1.77	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	11.3		1.77	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	4.87		1.77	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	15.3		1.77	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	44.0		1.77	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	4.80		1.77	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid - RA	8.42		1.77	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid - RA	11.0		1.77	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid - RA	4.41		1.77	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid - RA	16.0		1.77	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid - RA	44.4		1.77	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid - RA	4.97		1.77	ng/L	1		537 IDA	Total/NA

Client Sample ID: EB-053023

Lab Sample ID: 620-11894-14

No Detections.

Client Sample ID: MW-1R

Lab Sample ID: 620-11894-15

No Detections.

Client Sample ID: MW-3D

Lab Sample ID: 620-11894-16

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	4.24		1.80	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	20.1		1.80	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	45.7		1.80	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	27.2		1.80	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	68.3		1.80	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	7.13		1.80	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	126		1.80	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid	4.97		1.80	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	27.2		1.80	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid	73.1		1.80	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid - RA	3.87		1.80	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid - RA	26.8		1.80	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid - RA	38.5		1.80	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid - RA	25.9		1.80	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid - RA	52.6		1.80	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid - RA	6.70		1.80	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid - RA	123		1.80	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid - RA	4.38		1.80	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid - RA	24.4		1.80	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid - RA	75.5		1.80	ng/L	1		537 IDA	Total/NA

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	4.41		1.79	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	20.3		1.79	ng/L	1		537 IDA	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-3D-FD (Continued)

Lab Sample ID: 620-11894-17

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid	45.0		1.79	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	27.2		1.79	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	70.1		1.79	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	7.03		1.79	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	135		1.79	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid	5.19		1.79	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	29.6		1.79	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid	63.1		1.79	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid - RA	4.23		1.79	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid - RA	26.5		1.79	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid - RA	39.7		1.79	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid - RA	26.2		1.79	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid - RA	53.6		1.79	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid - RA	6.28		1.79	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid - RA	126		1.79	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid - RA	4.29		1.79	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid - RA	24.2		1.79	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid - RA	65.5		1.79	ng/L	1		537 IDA	Total/NA

Client Sample ID: MW-3S

Lab Sample ID: 620-11894-18

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	4.12		1.81	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	19.2		1.81	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	25.0		1.81	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	12.3		1.81	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	30.3		1.81	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	3.10		1.81	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	59.1		1.81	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid	3.59		1.81	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	14.3		1.81	ng/L	1		537 IDA	Total/NA

Client Sample ID: 152 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-19

No Detections.

Client Sample ID: 152 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-20

No Detections.

Client Sample ID: 152 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-21

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	4.64		1.76	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	2.24		1.76	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	2.95		1.76	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 56 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-22

No Detections.

Client Sample ID: FRB-053123

Lab Sample ID: 620-11894-24

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 907 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-25

No Detections.

Client Sample ID: 907 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-26

No Detections.

Client Sample ID: 907 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-27

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	18.3		1.59	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	10.7		1.59	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	32.6		1.59	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	2.57		1.59	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	5.88		1.59	ng/L	1		EPA 537.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-2S

Lab Sample ID: 620-11894-1

Date Collected: 05/30/23 11:32

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
NMeFOSAA	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorobutanesulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorobutanoic acid	3.93		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorodecanesulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorodecanoic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorododecanoic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluoroheptanesulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluoroheptanoic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorohexanesulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorohexanoic acid	2.90		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorononanesulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorononanoic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorooctanesulfonamide	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorooctanesulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorooctanoic acid	11.4		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluoropentanesulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluoropentanoic acid	3.84		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorotetradecanoic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluorotridecanoic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
Perfluoroundecanoic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
6:2 Fluorotelomer sulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
8:2 Fluorotelomer sulfonic acid	ND		1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1
4:2 Fluorotelomer sulfonic acid	ND	*1	1.88	ng/L		06/23/23 08:33	07/15/23 00:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	151		10 - 200	06/23/23 08:33	07/15/23 00:13	1
M2-6:2 FTS	129		17 - 200	06/23/23 08:33	07/15/23 00:13	1
M2-8:2 FTS	143		33 - 200	06/23/23 08:33	07/15/23 00:13	1
13C2 PFTeDA	112		10 - 179	06/23/23 08:33	07/15/23 00:13	1
13C3 PFBS	169		16 - 200	06/23/23 08:33	07/15/23 00:13	1
13C4 PFBA	97		42 - 165	06/23/23 08:33	07/15/23 00:13	1
13C4 PFHpA	111		31 - 182	06/23/23 08:33	07/15/23 00:13	1
13C5 PFPeA	122		38 - 187	06/23/23 08:33	07/15/23 00:13	1
13C8 PFOA	91		48 - 162	06/23/23 08:33	07/15/23 00:13	1
13C8 PFOS	113		51 - 159	06/23/23 08:33	07/15/23 00:13	1
d3-NMeFOSAA	124		31 - 174	06/23/23 08:33	07/15/23 00:13	1
d5-NEtFOSAA	125		29 - 195	06/23/23 08:33	07/15/23 00:13	1
13C3 PFHxS	121		28 - 188	06/23/23 08:33	07/15/23 00:13	1
13C5 PFHxA	122		24 - 179	06/23/23 08:33	07/15/23 00:13	1
13C6 PFDA	122		49 - 163	06/23/23 08:33	07/15/23 00:13	1
13C7 PFUnA	119		34 - 174	06/23/23 08:33	07/15/23 00:13	1
13C8 FOSA	86		10 - 168	06/23/23 08:33	07/15/23 00:13	1
13C2-PFDoDA	113		17 - 176	06/23/23 08:33	07/15/23 00:13	1
13C9 PFNA	104		51 - 167	06/23/23 08:33	07/15/23 00:13	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-2D

Lab Sample ID: 620-11894-2

Date Collected: 05/30/23 14:00

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
NMeFOSAA	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorobutanesulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorobutanoic acid	3.41		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorodecanesulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorodecanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorododecanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluoroheptanesulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluoroheptanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorohexanesulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorohexanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorononanesulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorononanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorooctanesulfonamide	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorooctanesulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorooctanoic acid	5.12		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluoropentanesulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluoropentanoic acid	2.10		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorotetradecanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluorotridecanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
Perfluoroundecanoic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
6:2 Fluorotelomer sulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
8:2 Fluorotelomer sulfonic acid	ND		2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1
4:2 Fluorotelomer sulfonic acid	ND	*1	2.02	ng/L		06/23/23 08:33	07/15/23 00:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	168		10 - 200	06/23/23 08:33	07/15/23 00:38	1
M2-6:2 FTS	127		17 - 200	06/23/23 08:33	07/15/23 00:38	1
M2-8:2 FTS	125		33 - 200	06/23/23 08:33	07/15/23 00:38	1
13C2 PFTeDA	78		10 - 179	06/23/23 08:33	07/15/23 00:38	1
13C3 PFBS	150		16 - 200	06/23/23 08:33	07/15/23 00:38	1
13C4 PFBA	17	*5-	42 - 165	06/23/23 08:33	07/15/23 00:38	1
13C4 PFHpA	127		31 - 182	06/23/23 08:33	07/15/23 00:38	1
13C5 PFPeA	116		38 - 187	06/23/23 08:33	07/15/23 00:38	1
13C8 PFOA	108		48 - 162	06/23/23 08:33	07/15/23 00:38	1
13C8 PFOS	108		51 - 159	06/23/23 08:33	07/15/23 00:38	1
d3-NMeFOSAA	97		31 - 174	06/23/23 08:33	07/15/23 00:38	1
d5-NEtFOSAA	103		29 - 195	06/23/23 08:33	07/15/23 00:38	1
13C3 PFHxS	136		28 - 188	06/23/23 08:33	07/15/23 00:38	1
13C5 PFHxA	158		24 - 179	06/23/23 08:33	07/15/23 00:38	1
13C6 PFDA	98		49 - 163	06/23/23 08:33	07/15/23 00:38	1
13C7 PFUnA	97		34 - 174	06/23/23 08:33	07/15/23 00:38	1
13C8 FOSA	78		10 - 168	06/23/23 08:33	07/15/23 00:38	1
13C2-PFDoDA	91		17 - 176	06/23/23 08:33	07/15/23 00:38	1
13C9 PFNA	99		51 - 167	06/23/23 08:33	07/15/23 00:38	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: FRB-053023

Lab Sample ID: 620-11894-3

Date Collected: 05/30/23 12:30

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
NMeFOSAA	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorobutanesulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorobutanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorodecanesulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorodecanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorododecanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluoroheptanesulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluoroheptanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorohexanesulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorohexanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorononanesulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorononanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorooctanesulfonamide	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorooctanesulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorooctanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluoropentanesulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluoropentanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorotetradecanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluorotridecanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
Perfluoroundecanoic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
6:2 Fluorotelomer sulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
8:2 Fluorotelomer sulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1
4:2 Fluorotelomer sulfonic acid	ND		1.91	ng/L		06/26/23 06:30	07/12/23 08:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	110		10 - 200	06/26/23 06:30	07/12/23 08:40	1
M2-6:2 FTS	117		17 - 200	06/26/23 06:30	07/12/23 08:40	1
M2-8:2 FTS	130		33 - 200	06/26/23 06:30	07/12/23 08:40	1
13C2 PFTeDA	104		10 - 179	06/26/23 06:30	07/12/23 08:40	1
13C3 PFBS	131		16 - 200	06/26/23 06:30	07/12/23 08:40	1
13C4 PFBA	118		42 - 165	06/26/23 06:30	07/12/23 08:40	1
13C4 PFHpA	116		31 - 182	06/26/23 06:30	07/12/23 08:40	1
13C5 PFPeA	116		38 - 187	06/26/23 06:30	07/12/23 08:40	1
13C8 PFOA	117		48 - 162	06/26/23 06:30	07/12/23 08:40	1
13C8 PFOS	109		51 - 159	06/26/23 06:30	07/12/23 08:40	1
d3-NMeFOSAA	110		31 - 174	06/26/23 06:30	07/12/23 08:40	1
d5-NEtFOSAA	131		29 - 195	06/26/23 06:30	07/12/23 08:40	1
13C3 PFHxS	117		28 - 188	06/26/23 06:30	07/12/23 08:40	1
13C5 PFHxA	126		24 - 179	06/26/23 06:30	07/12/23 08:40	1
13C6 PFDA	109		49 - 163	06/26/23 06:30	07/12/23 08:40	1
13C7 PFUnA	121		34 - 174	06/26/23 06:30	07/12/23 08:40	1
13C8 FOSA	116		10 - 168	06/26/23 06:30	07/12/23 08:40	1
13C2-PFDoDA	109		17 - 176	06/26/23 06:30	07/12/23 08:40	1
13C9 PFNA	110		51 - 167	06/26/23 06:30	07/12/23 08:40	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 56 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-4

Date Collected: 05/31/23 15:31

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluoroheptanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorooctanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorononanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorodecanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorotridecanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorotetradecanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorobutanesulfonic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorohexanesulfonic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorooctanesulfonic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
NEtFOSAA	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
NMeFOSAA	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluoroundecanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Perfluorododecanoic acid	ND		1.64	ng/L		06/05/23 15:02	06/12/23 22:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	93		70 - 130			06/05/23 15:02	06/12/23 22:05	1
13C2 PFHxA	110		70 - 130			06/05/23 15:02	06/12/23 22:05	1
13C3 HFPO-DA	110		70 - 130			06/05/23 15:02	06/12/23 22:05	1
d5-NEtFOSAA	95		70 - 130			06/05/23 15:02	06/12/23 22:05	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 56 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-5

Date Collected: 05/31/23 15:32

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.90		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluoroheptanoic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorooctanoic acid	5.29		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorononanoic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorodecanoic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorotridecanoic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorotetradecanoic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorobutanesulfonic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorohexanesulfonic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorooctanesulfonic acid	3.68		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
NEtFOSAA	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
NMeFOSAA	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluoroundecanoic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1
Perfluorododecanoic acid	ND		1.74	ng/L		06/05/23 15:02	06/12/23 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	92		70 - 130	06/05/23 15:02	06/12/23 22:17	1
13C2 PFHxA	104		70 - 130	06/05/23 15:02	06/12/23 22:17	1
13C3 HFPO-DA	105		70 - 130	06/05/23 15:02	06/12/23 22:17	1
d5-NEtFOSAA	92		70 - 130	06/05/23 15:02	06/12/23 22:17	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 56 Forest Edge Rd-Inf_FD

Lab Sample ID: 620-11894-6

Date Collected: 05/31/23 15:32

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.24		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluoroheptanoic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorooctanoic acid	5.88		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorononanoic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorodecanoic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorotridecanoic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorotetradecanoic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorobutanesulfonic acid	1.84		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorohexanesulfonic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorooctanesulfonic acid	3.95		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
NEtFOSAA	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
NMeFOSAA	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluoroundecanoic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1
Perfluorododecanoic acid	ND		1.72	ng/L		06/05/23 15:02	06/12/23 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	94		70 - 130	06/05/23 15:02	06/12/23 22:28	1
13C2 PFHxA	116		70 - 130	06/05/23 15:02	06/12/23 22:28	1
13C3 HFPO-DA	109		70 - 130	06/05/23 15:02	06/12/23 22:28	1
d5-NEtFOSAA	89		70 - 130	06/05/23 15:02	06/12/23 22:28	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 685 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-7

Date Collected: 05/31/23 16:20

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluoroheptanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorooctanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorononanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorodecanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorotridecanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorotetradecanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorobutanesulfonic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorohexanesulfonic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorooctanesulfonic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
NEtFOSAA	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
NMeFOSAA	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluoroundecanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1
Perfluorododecanoic acid	ND		1.63	ng/L		06/05/23 15:02	06/12/23 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	91		70 - 130	06/05/23 15:02	06/12/23 22:40	1
13C2 PFHxA	109		70 - 130	06/05/23 15:02	06/12/23 22:40	1
13C3 HFPO-DA	107		70 - 130	06/05/23 15:02	06/12/23 22:40	1
d5-NEtFOSAA	92		70 - 130	06/05/23 15:02	06/12/23 22:40	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 685 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-8

Date Collected: 05/31/23 16:21

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluoroheptanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorooctanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorononanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorodecanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorotridecanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorotetradecanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorobutanesulfonic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorohexanesulfonic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorooctanesulfonic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
NEtFOSAA	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
NMeFOSAA	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluoroundecanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1
Perfluorododecanoic acid	ND		1.66	ng/L		06/05/23 15:02	06/12/23 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	92		70 - 130	06/05/23 15:02	06/12/23 22:52	1
13C2 PFHxA	111		70 - 130	06/05/23 15:02	06/12/23 22:52	1
13C3 HFPO-DA	110		70 - 130	06/05/23 15:02	06/12/23 22:52	1
d5-NEtFOSAA	89		70 - 130	06/05/23 15:02	06/12/23 22:52	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 685 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-9

Date Collected: 05/31/23 16:22

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.02		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluoroheptanoic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorooctanoic acid	5.49		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorononanoic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorodecanoic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorotridecanoic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorobutanesulfonic acid	1.75		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorohexanesulfonic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorooctanesulfonic acid	3.66		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
NEtFOSAA	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
NMeFOSAA	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluoroundecanoic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1
Perfluorododecanoic acid	ND		1.62	ng/L		06/05/23 15:02	06/12/23 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	95		70 - 130	06/05/23 15:02	06/12/23 23:03	1
13C2 PFHxA	114		70 - 130	06/05/23 15:02	06/12/23 23:03	1
13C3 HFPO-DA	112		70 - 130	06/05/23 15:02	06/12/23 23:03	1
d5-NEtFOSAA	100		70 - 130	06/05/23 15:02	06/12/23 23:03	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 455 North Rd

Lab Sample ID: 620-11894-10

Date Collected: 05/31/23 17:10

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluoroheptanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorooctanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorononanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorodecanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorotridecanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorotetradecanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorobutanesulfonic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorohexanesulfonic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorooctanesulfonic acid	2.70		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
NEtFOSAA	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
NMeFOSAA	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluoroundecanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1
Perfluorododecanoic acid	ND		1.60	ng/L		06/05/23 15:02	06/12/23 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	94		70 - 130	06/05/23 15:02	06/12/23 23:15	1
13C2 PFHxA	105		70 - 130	06/05/23 15:02	06/12/23 23:15	1
13C3 HFPO-DA	108		70 - 130	06/05/23 15:02	06/12/23 23:15	1
d5-NEtFOSAA	92		70 - 130	06/05/23 15:02	06/12/23 23:15	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-4D

Lab Sample ID: 620-11894-12

Date Collected: 05/30/23 14:20

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
NMeFOSAA	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorobutanesulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorobutanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorodecanesulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorodecanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorododecanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluoroheptanesulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluoroheptanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorohexanesulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorohexanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorononanesulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorononanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorooctanesulfonamide	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorooctanesulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorooctanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluoropentanesulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluoropentanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorotetradecanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluorotridecanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
Perfluoroundecanoic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
6:2 Fluorotelomer sulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
8:2 Fluorotelomer sulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1
4:2 Fluorotelomer sulfonic acid	ND		1.86	ng/L		06/26/23 06:30	07/12/23 08:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	119		10 - 200	06/26/23 06:30	07/12/23 08:51	1
M2-6:2 FTS	119		17 - 200	06/26/23 06:30	07/12/23 08:51	1
M2-8:2 FTS	96		33 - 200	06/26/23 06:30	07/12/23 08:51	1
13C2 PFTeDA	55		10 - 179	06/26/23 06:30	07/12/23 08:51	1
13C3 PFBS	120		16 - 200	06/26/23 06:30	07/12/23 08:51	1
13C4 PFBA	105		42 - 165	06/26/23 06:30	07/12/23 08:51	1
13C4 PFHpA	104		31 - 182	06/26/23 06:30	07/12/23 08:51	1
13C5 PFPeA	107		38 - 187	06/26/23 06:30	07/12/23 08:51	1
13C8 PFOA	102		48 - 162	06/26/23 06:30	07/12/23 08:51	1
13C8 PFOS	92		51 - 159	06/26/23 06:30	07/12/23 08:51	1
d3-NMeFOSAA	71		31 - 174	06/26/23 06:30	07/12/23 08:51	1
d5-NEtFOSAA	72		29 - 195	06/26/23 06:30	07/12/23 08:51	1
13C3 PFHxS	104		28 - 188	06/26/23 06:30	07/12/23 08:51	1
13C5 PFHxA	104		24 - 179	06/26/23 06:30	07/12/23 08:51	1
13C6 PFDA	87		49 - 163	06/26/23 06:30	07/12/23 08:51	1
13C7 PFUnA	70		34 - 174	06/26/23 06:30	07/12/23 08:51	1
13C8 FOSA	94		10 - 168	06/26/23 06:30	07/12/23 08:51	1
13C2-PFDoDA	56		17 - 176	06/26/23 06:30	07/12/23 08:51	1
13C9 PFNA	98		51 - 167	06/26/23 06:30	07/12/23 08:51	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-4S

Lab Sample ID: 620-11894-13

Date Collected: 05/30/23 16:25

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
NMeFOSAA	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorobutanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorobutanoic acid	9.23		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorodecanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorodecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorododecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluoroheptanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluoroheptanoic acid	11.3		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorohexanesulfonic acid	4.87		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorohexanoic acid	15.3		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorononanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorononanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorooctanesulfonamide	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorooctanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorooctanoic acid	44.0		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluoropentanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluoropentanoic acid	4.80		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorotetradecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluorotridecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
Perfluoroundecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
6:2 Fluorotelomer sulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
8:2 Fluorotelomer sulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1
4:2 Fluorotelomer sulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 20:47	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	154		10 - 200	06/26/23 06:30	07/12/23 20:47	1
M2-6:2 FTS	198		17 - 200	06/26/23 06:30	07/12/23 20:47	1
M2-8:2 FTS	172		33 - 200	06/26/23 06:30	07/12/23 20:47	1
13C2 PFTeDA	66		10 - 179	06/26/23 06:30	07/12/23 20:47	1
13C3 PFBS	292	*5+	16 - 200	06/26/23 06:30	07/12/23 20:47	1
13C4 PFBA	119		42 - 165	06/26/23 06:30	07/12/23 20:47	1
13C4 PFHpA	104		31 - 182	06/26/23 06:30	07/12/23 20:47	1
13C5 PFPeA	217	*5+	38 - 187	06/26/23 06:30	07/12/23 20:47	1
13C8 PFOA	104		48 - 162	06/26/23 06:30	07/12/23 20:47	1
13C8 PFOS	124		51 - 159	06/26/23 06:30	07/12/23 20:47	1
d3-NMeFOSAA	102		31 - 174	06/26/23 06:30	07/12/23 20:47	1
d5-NEtFOSAA	121		29 - 195	06/26/23 06:30	07/12/23 20:47	1
13C3 PFHxS	120		28 - 188	06/26/23 06:30	07/12/23 20:47	1
13C5 PFHxA	84		24 - 179	06/26/23 06:30	07/12/23 20:47	1
13C6 PFDA	117		49 - 163	06/26/23 06:30	07/12/23 20:47	1
13C7 PFUnA	117		34 - 174	06/26/23 06:30	07/12/23 20:47	1
13C8 FOSA	79		10 - 168	06/26/23 06:30	07/12/23 20:47	1
13C2-PFDoDA	103		17 - 176	06/26/23 06:30	07/12/23 20:47	1
13C9 PFNA	132		51 - 167	06/26/23 06:30	07/12/23 20:47	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
NMeFOSAA	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-4S

Lab Sample ID: 620-11894-13

Date Collected: 05/30/23 16:25

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorobutanoic acid	8.42		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorodecanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorodecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorododecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluoroheptanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluoroheptanoic acid	11.0		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorohexanesulfonic acid	4.41		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorohexanoic acid	16.0		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorononanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorononanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorooctanesulfonamide	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorooctanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorooctanoic acid	44.4		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluoropentanesulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluoropentanoic acid	4.97		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorotetradecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluorotridecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
Perfluoroundecanoic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
6:2 Fluorotelomer sulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
8:2 Fluorotelomer sulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
4:2 Fluorotelomer sulfonic acid	ND		1.77	ng/L		06/26/23 06:30	07/12/23 09:02	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-4:2 FTS	160		10 - 200			06/26/23 06:30	07/12/23 09:02	1
M2-6:2 FTS	201	*5+	17 - 200			06/26/23 06:30	07/12/23 09:02	1
M2-8:2 FTS	177		33 - 200			06/26/23 06:30	07/12/23 09:02	1
13C2 PFTeDA	67		10 - 179			06/26/23 06:30	07/12/23 09:02	1
13C3 PFBS	288	*5+	16 - 200			06/26/23 06:30	07/12/23 09:02	1
13C4 PFBA	111		42 - 165			06/26/23 06:30	07/12/23 09:02	1
13C4 PFHpA	108		31 - 182			06/26/23 06:30	07/12/23 09:02	1
13C5 PFPeA	202	*5+	38 - 187			06/26/23 06:30	07/12/23 09:02	1
13C8 PFOA	108		48 - 162			06/26/23 06:30	07/12/23 09:02	1
13C8 PFOS	120		51 - 159			06/26/23 06:30	07/12/23 09:02	1
d3-NMeFOSAA	96		31 - 174			06/26/23 06:30	07/12/23 09:02	1
d5-NEtFOSAA	124		29 - 195			06/26/23 06:30	07/12/23 09:02	1
13C3 PFHxS	124		28 - 188			06/26/23 06:30	07/12/23 09:02	1
13C5 PFHxA	83		24 - 179			06/26/23 06:30	07/12/23 09:02	1
13C6 PFDA	121		49 - 163			06/26/23 06:30	07/12/23 09:02	1
13C7 PFUnA	120		34 - 174			06/26/23 06:30	07/12/23 09:02	1
13C8 FOSA	78		10 - 168			06/26/23 06:30	07/12/23 09:02	1
13C2-PFDoDA	101		17 - 176			06/26/23 06:30	07/12/23 09:02	1
13C9 PFNA	125		51 - 167			06/26/23 06:30	07/12/23 09:02	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: EB-053023

Lab Sample ID: 620-11894-14

Date Collected: 05/30/23 17:45

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
NMeFOSAA	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorobutanesulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorobutanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorodecanesulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorodecanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorododecanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluoroheptanesulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluoroheptanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorohexanesulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorohexanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorononanesulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorononanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorooctanesulfonamide	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorooctanesulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorooctanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluoropentanesulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluoropentanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorotetradecanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluorotridecanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
Perfluoroundecanoic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
6:2 Fluorotelomer sulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
8:2 Fluorotelomer sulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1
4:2 Fluorotelomer sulfonic acid	ND		2.36	ng/L		06/26/23 06:30	07/12/23 09:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	124		10 - 200	06/26/23 06:30	07/12/23 09:13	1
M2-6:2 FTS	127		17 - 200	06/26/23 06:30	07/12/23 09:13	1
M2-8:2 FTS	145		33 - 200	06/26/23 06:30	07/12/23 09:13	1
13C2 PFTeDA	110		10 - 179	06/26/23 06:30	07/12/23 09:13	1
13C3 PFBS	139		16 - 200	06/26/23 06:30	07/12/23 09:13	1
13C4 PFBA	123		42 - 165	06/26/23 06:30	07/12/23 09:13	1
13C4 PFHpA	126		31 - 182	06/26/23 06:30	07/12/23 09:13	1
13C5 PFPeA	115		38 - 187	06/26/23 06:30	07/12/23 09:13	1
13C8 PFOA	123		48 - 162	06/26/23 06:30	07/12/23 09:13	1
13C8 PFOS	122		51 - 159	06/26/23 06:30	07/12/23 09:13	1
d3-NMeFOSAA	125		31 - 174	06/26/23 06:30	07/12/23 09:13	1
d5-NEtFOSAA	138		29 - 195	06/26/23 06:30	07/12/23 09:13	1
13C3 PFHxS	124		28 - 188	06/26/23 06:30	07/12/23 09:13	1
13C5 PFHxA	128		24 - 179	06/26/23 06:30	07/12/23 09:13	1
13C6 PFDA	123		49 - 163	06/26/23 06:30	07/12/23 09:13	1
13C7 PFUnA	126		34 - 174	06/26/23 06:30	07/12/23 09:13	1
13C8 FOSA	126		10 - 168	06/26/23 06:30	07/12/23 09:13	1
13C2-PFDoDA	115		17 - 176	06/26/23 06:30	07/12/23 09:13	1
13C9 PFNA	124		51 - 167	06/26/23 06:30	07/12/23 09:13	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-1R

Lab Sample ID: 620-11894-15

Date Collected: 05/30/23 16:31

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
NMeFOSAA	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorobutanesulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorobutanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorodecanesulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorodecanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorododecanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluoroheptanesulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluoroheptanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorohexanesulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorohexanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorononanesulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorononanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorooctanesulfonamide	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorooctanesulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorooctanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluoropentanesulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluoropentanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorotetradecanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluorotridecanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
Perfluoroundecanoic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
6:2 Fluorotelomer sulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
8:2 Fluorotelomer sulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1
4:2 Fluorotelomer sulfonic acid	ND		2.10	ng/L		06/26/23 06:30	07/12/23 09:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	118		10 - 200	06/26/23 06:30	07/12/23 09:24	1
M2-6:2 FTS	114		17 - 200	06/26/23 06:30	07/12/23 09:24	1
M2-8:2 FTS	125		33 - 200	06/26/23 06:30	07/12/23 09:24	1
13C2 PFTeDA	96		10 - 179	06/26/23 06:30	07/12/23 09:24	1
13C3 PFBS	128		16 - 200	06/26/23 06:30	07/12/23 09:24	1
13C4 PFBA	118		42 - 165	06/26/23 06:30	07/12/23 09:24	1
13C4 PFHpA	128		31 - 182	06/26/23 06:30	07/12/23 09:24	1
13C5 PFPeA	110		38 - 187	06/26/23 06:30	07/12/23 09:24	1
13C8 PFOA	119		48 - 162	06/26/23 06:30	07/12/23 09:24	1
13C8 PFOS	111		51 - 159	06/26/23 06:30	07/12/23 09:24	1
d3-NMeFOSAA	111		31 - 174	06/26/23 06:30	07/12/23 09:24	1
d5-NEtFOSAA	121		29 - 195	06/26/23 06:30	07/12/23 09:24	1
13C3 PFHxS	125		28 - 188	06/26/23 06:30	07/12/23 09:24	1
13C5 PFHxA	122		24 - 179	06/26/23 06:30	07/12/23 09:24	1
13C6 PFDA	111		49 - 163	06/26/23 06:30	07/12/23 09:24	1
13C7 PFUnA	112		34 - 174	06/26/23 06:30	07/12/23 09:24	1
13C8 FOSA	119		10 - 168	06/26/23 06:30	07/12/23 09:24	1
13C2-PFDoDA	100		17 - 176	06/26/23 06:30	07/12/23 09:24	1
13C9 PFNA	112		51 - 167	06/26/23 06:30	07/12/23 09:24	1

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-3D

Lab Sample ID: 620-11894-16

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
NMeFOSAA	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorobutanesulfonic acid	4.24		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorobutanoic acid	20.1		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorodecanesulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorodecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorododecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluoroheptanesulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluoroheptanoic acid	45.7		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorohexanesulfonic acid	27.2		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorohexanoic acid	68.3		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorononanesulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorononanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorooctanesulfonamide	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorooctanesulfonic acid	7.13		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorooctanoic acid	126		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluoropentanesulfonic acid	4.97		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluoropentanoic acid	27.2		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorotetradecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluorotridecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
Perfluoroundecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
6:2 Fluorotelomer sulfonic acid	73.1		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
8:2 Fluorotelomer sulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1
4:2 Fluorotelomer sulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/20/23 05:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	236	*5+	10 - 200	06/27/23 08:38	07/20/23 05:26	1
M2-6:2 FTS	199		17 - 200	06/27/23 08:38	07/20/23 05:26	1
M2-8:2 FTS	163		33 - 200	06/27/23 08:38	07/20/23 05:26	1
13C2 PFTeDA	77		10 - 179	06/27/23 08:38	07/20/23 05:26	1
13C3 PFBS	173		16 - 200	06/27/23 08:38	07/20/23 05:26	1
13C4 PFBA	14	*5-	42 - 165	06/27/23 08:38	07/20/23 05:26	1
13C4 PFHpA	96		31 - 182	06/27/23 08:38	07/20/23 05:26	1
13C5 PFPeA	124		38 - 187	06/27/23 08:38	07/20/23 05:26	1
13C8 PFOA	83		48 - 162	06/27/23 08:38	07/20/23 05:26	1
13C8 PFOS	90		51 - 159	06/27/23 08:38	07/20/23 05:26	1
d3-NMeFOSAA	98		31 - 174	06/27/23 08:38	07/20/23 05:26	1
d5-NEtFOSAA	124		29 - 195	06/27/23 08:38	07/20/23 05:26	1
13C3 PFHxS	116		28 - 188	06/27/23 08:38	07/20/23 05:26	1
13C5 PFHxA	79		24 - 179	06/27/23 08:38	07/20/23 05:26	1
13C6 PFDA	89		49 - 163	06/27/23 08:38	07/20/23 05:26	1
13C7 PFUnA	92		34 - 174	06/27/23 08:38	07/20/23 05:26	1
13C8 FOSA	88		10 - 168	06/27/23 08:38	07/20/23 05:26	1
13C2-PFDoDA	84		17 - 176	06/27/23 08:38	07/20/23 05:26	1
13C9 PFNA	86		51 - 167	06/27/23 08:38	07/20/23 05:26	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
NMeFOSAA	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-3D

Lab Sample ID: 620-11894-16

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	3.87		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorobutanoic acid	26.8		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorodecanesulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorodecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorododecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluoroheptanesulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluoroheptanoic acid	38.5		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorohexanesulfonic acid	25.9		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorohexanoic acid	52.6		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorononanesulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorononanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorooctanesulfonamide	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorooctanesulfonic acid	6.70		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorooctanoic acid	123		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluoropentanesulfonic acid	4.38		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluoropentanoic acid	24.4		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorotetradecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluorotridecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
Perfluoroundecanoic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
6:2 Fluorotelomer sulfonic acid	75.5		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
8:2 Fluorotelomer sulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1
4:2 Fluorotelomer sulfonic acid	ND		1.80	ng/L		06/27/23 08:38	07/21/23 14:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	238	*5+	10 - 200	06/27/23 08:38	07/21/23 14:10	1
M2-6:2 FTS	209	*5+	17 - 200	06/27/23 08:38	07/21/23 14:10	1
M2-8:2 FTS	141		33 - 200	06/27/23 08:38	07/21/23 14:10	1
13C2 PFTeDA	81		10 - 179	06/27/23 08:38	07/21/23 14:10	1
13C3 PFBS	192		16 - 200	06/27/23 08:38	07/21/23 14:10	1
13C4 PFBA	14	*5-	42 - 165	06/27/23 08:38	07/21/23 14:10	1
13C4 PFHpA	95		31 - 182	06/27/23 08:38	07/21/23 14:10	1
13C5 PFPeA	142		38 - 187	06/27/23 08:38	07/21/23 14:10	1
13C8 PFOA	84		48 - 162	06/27/23 08:38	07/21/23 14:10	1
13C8 PFOS	92		51 - 159	06/27/23 08:38	07/21/23 14:10	1
d3-NMeFOSAA	76		31 - 174	06/27/23 08:38	07/21/23 14:10	1
d5-NEtFOSAA	88		29 - 195	06/27/23 08:38	07/21/23 14:10	1
13C3 PFHxS	106		28 - 188	06/27/23 08:38	07/21/23 14:10	1
13C5 PFHxA	81		24 - 179	06/27/23 08:38	07/21/23 14:10	1
13C6 PFDA	87		49 - 163	06/27/23 08:38	07/21/23 14:10	1
13C7 PFUnA	86		34 - 174	06/27/23 08:38	07/21/23 14:10	1
13C8 FOSA	75		10 - 168	06/27/23 08:38	07/21/23 14:10	1
13C2-PFDoDA	87		17 - 176	06/27/23 08:38	07/21/23 14:10	1
13C9 PFNA	94		51 - 167	06/27/23 08:38	07/21/23 14:10	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
NMeFOSAA	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorobutanesulfonic acid	4.41		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorobutanoic acid	20.3		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorodecanesulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorodecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorododecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluoroheptanesulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluoroheptanoic acid	45.0		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorohexanesulfonic acid	27.2		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorohexanoic acid	70.1		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorononanesulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorononanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorooctanesulfonamide	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorooctanesulfonic acid	7.03		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorooctanoic acid	135		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluoropentanesulfonic acid	5.19		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluoropentanoic acid	29.6		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorotetradecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluorotridecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
Perfluoroundecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
6:2 Fluorotelomer sulfonic acid	63.1		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
8:2 Fluorotelomer sulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1
4:2 Fluorotelomer sulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/20/23 05:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	240	*5+	10 - 200	06/27/23 08:38	07/20/23 05:38	1
M2-6:2 FTS	215	*5+	17 - 200	06/27/23 08:38	07/20/23 05:38	1
M2-8:2 FTS	174		33 - 200	06/27/23 08:38	07/20/23 05:38	1
13C2 PFTeDA	81		10 - 179	06/27/23 08:38	07/20/23 05:38	1
13C3 PFBS	201	*5+	16 - 200	06/27/23 08:38	07/20/23 05:38	1
13C4 PFBA	18	*5-	42 - 165	06/27/23 08:38	07/20/23 05:38	1
13C4 PFHpA	94		31 - 182	06/27/23 08:38	07/20/23 05:38	1
13C5 PFPeA	134		38 - 187	06/27/23 08:38	07/20/23 05:38	1
13C8 PFOA	84		48 - 162	06/27/23 08:38	07/20/23 05:38	1
13C8 PFOS	100		51 - 159	06/27/23 08:38	07/20/23 05:38	1
d3-NMeFOSAA	107		31 - 174	06/27/23 08:38	07/20/23 05:38	1
d5-NEtFOSAA	128		29 - 195	06/27/23 08:38	07/20/23 05:38	1
13C3 PFHxS	117		28 - 188	06/27/23 08:38	07/20/23 05:38	1
13C5 PFHxA	78		24 - 179	06/27/23 08:38	07/20/23 05:38	1
13C6 PFDA	93		49 - 163	06/27/23 08:38	07/20/23 05:38	1
13C7 PFUnA	100		34 - 174	06/27/23 08:38	07/20/23 05:38	1
13C8 FOSA	98		10 - 168	06/27/23 08:38	07/20/23 05:38	1
13C2-PFDoDA	98		17 - 176	06/27/23 08:38	07/20/23 05:38	1
13C9 PFNA	92		51 - 167	06/27/23 08:38	07/20/23 05:38	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
NMeFOSAA	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	4.23		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorobutanoic acid	26.5		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorodecanesulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorodecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorododecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluoroheptanesulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluoroheptanoic acid	39.7		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorohexanesulfonic acid	26.2		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorohexanoic acid	53.6		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorononanesulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorononanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorooctanesulfonamide	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorooctanesulfonic acid	6.28		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorooctanoic acid	126		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluoropentanesulfonic acid	4.29		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluoropentanoic acid	24.2		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorotetradecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluorotridecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
Perfluoroundecanoic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
6:2 Fluorotelomer sulfonic acid	65.5		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
8:2 Fluorotelomer sulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1
4:2 Fluorotelomer sulfonic acid	ND		1.79	ng/L		06/27/23 08:38	07/21/23 14:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	241	*5+	10 - 200	06/27/23 08:38	07/21/23 14:21	1
M2-6:2 FTS	213	*5+	17 - 200	06/27/23 08:38	07/21/23 14:21	1
M2-8:2 FTS	152		33 - 200	06/27/23 08:38	07/21/23 14:21	1
13C2 PFTeDA	92		10 - 179	06/27/23 08:38	07/21/23 14:21	1
13C3 PFBS	209	*5+	16 - 200	06/27/23 08:38	07/21/23 14:21	1
13C4 PFBA	18	*5-	42 - 165	06/27/23 08:38	07/21/23 14:21	1
13C4 PFHpA	98		31 - 182	06/27/23 08:38	07/21/23 14:21	1
13C5 PFPeA	157		38 - 187	06/27/23 08:38	07/21/23 14:21	1
13C8 PFOA	85		48 - 162	06/27/23 08:38	07/21/23 14:21	1
13C8 PFOS	96		51 - 159	06/27/23 08:38	07/21/23 14:21	1
d3-NMeFOSAA	79		31 - 174	06/27/23 08:38	07/21/23 14:21	1
d5-NEtFOSAA	95		29 - 195	06/27/23 08:38	07/21/23 14:21	1
13C3 PFHxS	111		28 - 188	06/27/23 08:38	07/21/23 14:21	1
13C5 PFHxA	80		24 - 179	06/27/23 08:38	07/21/23 14:21	1
13C6 PFDA	95		49 - 163	06/27/23 08:38	07/21/23 14:21	1
13C7 PFUnA	97		34 - 174	06/27/23 08:38	07/21/23 14:21	1
13C8 FOSA	83		10 - 168	06/27/23 08:38	07/21/23 14:21	1
13C2-PFDoDA	97		17 - 176	06/27/23 08:38	07/21/23 14:21	1
13C9 PFNA	96		51 - 167	06/27/23 08:38	07/21/23 14:21	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-3S

Lab Sample ID: 620-11894-18

Date Collected: 05/31/23 11:20

Matrix: Water

Date Received: 06/02/23 09:15

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
NMeFOSAA	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorobutanesulfonic acid	4.12		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorobutanoic acid	19.2		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorodecanesulfonic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorodecanoic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorododecanoic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluoroheptanesulfonic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluoroheptanoic acid	25.0		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorohexanesulfonic acid	12.3		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorohexanoic acid	30.3		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorononanesulfonic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorononanoic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorooctanesulfonamide	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorooctanesulfonic acid	3.10		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorooctanoic acid	59.1		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluoropentanesulfonic acid	3.59		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluoropentanoic acid	14.3		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorotetradecanoic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluorotridecanoic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
Perfluoroundecanoic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
6:2 Fluorotelomer sulfonic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
8:2 Fluorotelomer sulfonic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1
4:2 Fluorotelomer sulfonic acid	ND		1.81	ng/L		06/27/23 08:38	07/20/23 05:49	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	168		10 - 200	06/27/23 08:38	07/20/23 05:49	1
M2-6:2 FTS	154		17 - 200	06/27/23 08:38	07/20/23 05:49	1
M2-8:2 FTS	145		33 - 200	06/27/23 08:38	07/20/23 05:49	1
13C2 PFTeDA	81		10 - 179	06/27/23 08:38	07/20/23 05:49	1
13C3 PFBS	134		16 - 200	06/27/23 08:38	07/20/23 05:49	1
13C4 PFBA	20	*5-	42 - 165	06/27/23 08:38	07/20/23 05:49	1
13C4 PFHpA	86		31 - 182	06/27/23 08:38	07/20/23 05:49	1
13C5 PFPeA	94		38 - 187	06/27/23 08:38	07/20/23 05:49	1
13C8 PFOA	83		48 - 162	06/27/23 08:38	07/20/23 05:49	1
13C8 PFOS	88		51 - 159	06/27/23 08:38	07/20/23 05:49	1
d3-NMeFOSAA	106		31 - 174	06/27/23 08:38	07/20/23 05:49	1
d5-NEtFOSAA	127		29 - 195	06/27/23 08:38	07/20/23 05:49	1
13C3 PFHxS	91		28 - 188	06/27/23 08:38	07/20/23 05:49	1
13C5 PFHxA	79		24 - 179	06/27/23 08:38	07/20/23 05:49	1
13C6 PFDA	87		49 - 163	06/27/23 08:38	07/20/23 05:49	1
13C7 PFUnA	99		34 - 174	06/27/23 08:38	07/20/23 05:49	1
13C8 FOSA	90		10 - 168	06/27/23 08:38	07/20/23 05:49	1
13C2-PFDoDA	90		17 - 176	06/27/23 08:38	07/20/23 05:49	1
13C9 PFNA	89		51 - 167	06/27/23 08:38	07/20/23 05:49	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 152 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-19

Date Collected: 05/31/23 14:47

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluoroheptanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorooctanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorononanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorodecanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorotridecanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorotetradecanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorobutanesulfonic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorohexanesulfonic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorooctanesulfonic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
NEtFOSAA	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
NMeFOSAA	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluoroundecanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Perfluorododecanoic acid	ND		1.73	ng/L		06/05/23 15:02	06/12/23 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	92		70 - 130			06/05/23 15:02	06/12/23 23:26	1
13C2 PFHxA	103		70 - 130			06/05/23 15:02	06/12/23 23:26	1
13C3 HFPO-DA	107		70 - 130			06/05/23 15:02	06/12/23 23:26	1
d5-NEtFOSAA	98		70 - 130			06/05/23 15:02	06/12/23 23:26	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 152 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-20

Date Collected: 05/31/23 14:48

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluoroheptanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorooctanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorononanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorodecanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorotridecanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorotetradecanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorobutanesulfonic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorohexanesulfonic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorooctanesulfonic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
NEtFOSAA	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
NMeFOSAA	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluoroundecanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Perfluorododecanoic acid	ND		1.72	ng/L		06/06/23 15:09	06/09/23 11:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	84		70 - 130			06/06/23 15:09	06/09/23 11:00	1
13C2 PFHxA	104		70 - 130			06/06/23 15:09	06/09/23 11:00	1
13C3 HFPO-DA	107		70 - 130			06/06/23 15:09	06/09/23 11:00	1
d5-NEtFOSAA	91		70 - 130			06/06/23 15:09	06/09/23 11:00	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 152 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-21

Date Collected: 05/31/23 14:49

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	4.64		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluoroheptanoic acid	2.24		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorooctanoic acid	2.95		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorononanoic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorodecanoic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorotridecanoic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorotetradecanoic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorobutanesulfonic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorohexanesulfonic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorooctanesulfonic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
NEtFOSAA	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
NMeFOSAA	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluoroundecanoic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1
Perfluorododecanoic acid	ND		1.76	ng/L		06/06/23 15:09	06/09/23 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	91		70 - 130	06/06/23 15:09	06/09/23 11:12	1
13C2 PFHxA	107		70 - 130	06/06/23 15:09	06/09/23 11:12	1
13C3 HFPO-DA	105		70 - 130	06/06/23 15:09	06/09/23 11:12	1
d5-NEtFOSAA	87		70 - 130	06/06/23 15:09	06/09/23 11:12	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 56 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-22

Date Collected: 05/31/23 15:30

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluoroheptanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorooctanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorononanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorodecanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorotridecanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorotetradecanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorobutanesulfonic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorohexanesulfonic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorooctanesulfonic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
NEtFOSAA	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
NMeFOSAA	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluoroundecanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1
Perfluorododecanoic acid	ND		1.73	ng/L		06/06/23 15:09	06/15/23 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	96		70 - 130	06/06/23 15:09	06/15/23 16:12	1
13C2 PFHxA	97		70 - 130	06/06/23 15:09	06/15/23 16:12	1
13C3 HFPO-DA	100		70 - 130	06/06/23 15:09	06/15/23 16:12	1
d5-NEtFOSAA	86		70 - 130	06/06/23 15:09	06/15/23 16:12	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: FRB-053123

Lab Sample ID: 620-11894-24

Date Collected: 05/31/23 14:30

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluoroheptanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorooctanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorononanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorodecanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorotridecanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorotetradecanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorobutanesulfonic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorohexanesulfonic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorooctanesulfonic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
NEtFOSAA	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
NMeFOSAA	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluoroundecanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1
Perfluorododecanoic acid	ND		1.65	ng/L		06/06/23 15:09	06/09/23 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	89		70 - 130	06/06/23 15:09	06/09/23 13:43	1
13C2 PFHxA	108		70 - 130	06/06/23 15:09	06/09/23 13:43	1
13C3 HFPO-DA	111		70 - 130	06/06/23 15:09	06/09/23 13:43	1
d5-NEtFOSAA	95		70 - 130	06/06/23 15:09	06/09/23 13:43	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 907 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-25

Date Collected: 06/01/23 09:42

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluoroheptanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorooctanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorononanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorodecanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorotridecanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorotetradecanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorobutanesulfonic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorohexanesulfonic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorooctanesulfonic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
NEtFOSAA	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
NMeFOSAA	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluoroundecanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Perfluorododecanoic acid	ND		1.77	ng/L		06/06/23 15:09	06/15/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	95		70 - 130			06/06/23 15:09	06/15/23 16:24	1
13C2 PFHxA	105		70 - 130			06/06/23 15:09	06/15/23 16:24	1
13C3 HFPO-DA	104		70 - 130			06/06/23 15:09	06/15/23 16:24	1
d5-NEtFOSAA	91		70 - 130			06/06/23 15:09	06/15/23 16:24	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 907 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-26

Date Collected: 06/01/23 09:43

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluoroheptanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorooctanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorononanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorodecanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorotridecanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorotetradecanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorobutanesulfonic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorohexanesulfonic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorooctanesulfonic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
NEtFOSAA	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
NMeFOSAA	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluoroundecanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Perfluorododecanoic acid	ND		1.85	ng/L		06/06/23 15:09	06/15/23 16:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	100		70 - 130			06/06/23 15:09	06/15/23 16:36	1
13C2 PFHxA	107		70 - 130			06/06/23 15:09	06/15/23 16:36	1
13C3 HFPO-DA	104		70 - 130			06/06/23 15:09	06/15/23 16:36	1
d5-NEtFOSAA	103		70 - 130			06/06/23 15:09	06/15/23 16:36	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 907 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-27

Date Collected: 06/01/23 09:54

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	18.3		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluoroheptanoic acid	10.7		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorooctanoic acid	32.6		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorononanoic acid	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorodecanoic acid	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorotridecanoic acid	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorotetradecanoic acid	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorobutanesulfonic acid	2.57		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorohexanesulfonic acid	5.88		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorooctanesulfonic acid	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
NEtFOSAA	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
NMeFOSAA	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluoroundecanoic acid	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Perfluorododecanoic acid	ND		1.59	ng/L		06/06/23 15:09	06/09/23 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	90		70 - 130			06/06/23 15:09	06/09/23 14:29	1
13C2 PFHxA	104		70 - 130			06/06/23 15:09	06/09/23 14:29	1
13C3 HFPO-DA	106		70 - 130			06/06/23 15:09	06/09/23 14:29	1
d5-NEtFOSAA	96		70 - 130			06/06/23 15:09	06/09/23 14:29	1

Surrogate Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		PFDA (70-130)	PFHxA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)
620-11894-4	56 Forest Edge Rd-Mid	93	110	110	95
620-11894-5	56 Forest Edge Rd-Inf	92	104	105	92
620-11894-6	56 Forest Edge Rd-Inf_FD	94	116	109	89
620-11894-7	685 Beecher Hill Rd-Eff	91	109	107	92
620-11894-8	685 Beecher Hill Rd-Mid	92	111	110	89
620-11894-9	685 Beecher Hill Rd-Inf	95	114	112	100
620-11894-10	455 North Rd	94	105	108	92
620-11894-19	152 Forest Edge Rd-Eff	92	103	107	98
620-11894-20	152 Forest Edge Rd-Mid	84	104	107	91
620-11894-21	152 Forest Edge Rd-Inf	91	107	105	87
620-11894-22	56 Forest Edge Rd-Eff	96	97	100	86
620-11894-24	FRB-053123	89	108	111	95
620-11894-25	907 Beecher Hill Rd-Eff	95	105	104	91
620-11894-26	907 Beecher Hill Rd-Mid	100	107	104	103
620-11894-27	907 Beecher Hill Rd-Inf	90	104	106	96
LCS 410-383064/2-A	Lab Control Sample	94	107	112	100
LCS 410-383516/2-A	Lab Control Sample	85	104	108	95
LCSD 410-383064/3-A	Lab Control Sample Dup	99	107	114	103
MB 410-383064/1-A	Method Blank	88	101	105	93
MB 410-383516/1-A	Method Blank	85	104	104	94

Surrogate Legend

- PFDA = 13C2 PFDA
- PFHxA = 13C2 PFHxA
- HFPODA = 13C3 HFPO-DA
- d5NEFOS = d5-NEtFOSAA



Isotope Dilution Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M242FTS (10-200)	M262FTS (17-200)	M282FTS (33-200)	PFTDA (10-179)	C3PFBS (16-200)	PFBA (42-165)	C4PFHA (31-182)	PFPeA (38-187)
620-11894-1	MW-2S	151	129	143	112	169	97	111	122
620-11894-2	MW-2D	168	127	125	78	150	17 *5-	127	116
620-11894-3	FRB-053023	110	117	130	104	131	118	116	116
620-11894-12	MW-4D	119	119	96	55	120	105	104	107
620-11894-13 - RA	MW-4S	160	201 *5+	177	67	288 *5+	111	108	202 *5+
620-11894-13	MW-4S	154	198	172	66	292 *5+	119	104	217 *5+
620-11894-14	EB-053023	124	127	145	110	139	123	126	115
620-11894-15	MW-1R	118	114	125	96	128	118	128	110
620-11894-16	MW-3D	236 *5+	199	163	77	173	14 *5-	96	124
620-11894-16 - RA	MW-3D	238 *5+	209 *5+	141	81	192	14 *5-	95	142
620-11894-17	MW-3D-FD	240 *5+	215 *5+	174	81	201 *5+	18 *5-	94	134
620-11894-17 - RA	MW-3D-FD	241 *5+	213 *5+	152	92	209 *5+	18 *5-	98	157
620-11894-18	MW-3S	168	154	145	81	134	20 *5-	86	94
LCS 410-390054/2-A	Lab Control Sample	125	94	115	101	109	79	109	112
LCS 410-390512/2-A	Lab Control Sample	106	108	119	108	127	107	108	114
LCS 410-391146/2-A	Lab Control Sample	104	109	129	88	109	96	108	102
LCSD 410-390054/14-A	Lab Control Sample Dup	128	103	112	107	128	108	107	126
LCSD 410-390512/3-A	Lab Control Sample Dup	110	113	128	109	132	112	119	122
LCSD 410-391146/3-A	Lab Control Sample Dup	94	97	117	83	98	90	94	90
MB 410-390054/1-A	Method Blank	117	97	132	96	138	100	112	115
MB 410-390512/1-A	Method Blank	115	115	112	94	125	106	118	109
MB 410-391146/1-A	Method Blank	105	105	126	90	106	95	104	97

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C8PFOA (48-162)	C8PFOS (51-159)	d3NMFOS (31-174)	d5NEFOS (29-195)	C3PFHS (28-188)	13C5PHA (24-179)	C6PFDA (49-163)	13C7PUA (34-174)
620-11894-1	MW-2S	91	113	124	125	121	122	122	119
620-11894-2	MW-2D	108	108	97	103	136	158	98	97
620-11894-3	FRB-053023	117	109	110	131	117	126	109	121
620-11894-12	MW-4D	102	92	71	72	104	104	87	70
620-11894-13 - RA	MW-4S	108	120	96	124	124	83	121	120
620-11894-13	MW-4S	104	124	102	121	120	84	117	117
620-11894-14	EB-053023	123	122	125	138	124	128	123	126
620-11894-15	MW-1R	119	111	111	121	125	122	111	112
620-11894-16	MW-3D	83	90	98	124	116	79	89	92
620-11894-16 - RA	MW-3D	84	92	76	88	106	81	87	86
620-11894-17	MW-3D-FD	84	100	107	128	117	78	93	100
620-11894-17 - RA	MW-3D-FD	85	96	79	95	111	80	95	97
620-11894-18	MW-3S	83	88	106	127	91	79	87	99
LCS 410-390054/2-A	Lab Control Sample	100	95	112	123	119	94	100	104
LCS 410-390512/2-A	Lab Control Sample	110	110	108	122	109	109	110	114
LCS 410-391146/2-A	Lab Control Sample	108	106	129	138	116	113	99	106
LCSD 410-390054/14-A	Lab Control Sample Dup	104	106	135	127	117	102	124	123
LCSD 410-390512/3-A	Lab Control Sample Dup	116	118	110	128	121	117	114	113
LCSD 410-391146/3-A	Lab Control Sample Dup	95	92	120	135	94	94	94	101
MB 410-390054/1-A	Method Blank	105	113	108	108	114	104	103	108
MB 410-390512/1-A	Method Blank	113	105	103	112	111	116	102	108
MB 410-391146/1-A	Method Blank	101	101	130	135	100	105	95	107

Isotope Dilution Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)		
		PFOSA (10-168)	PFDODA (17-176)	C9PFNA (51-167)
620-11894-1	MW-2S	86	113	104
620-11894-2	MW-2D	78	91	99
620-11894-3	FRB-053023	116	109	110
620-11894-12	MW-4D	94	56	98
620-11894-13 - RA	MW-4S	78	101	125
620-11894-13	MW-4S	79	103	132
620-11894-14	EB-053023	126	115	124
620-11894-15	MW-1R	119	100	112
620-11894-16	MW-3D	88	84	86
620-11894-16 - RA	MW-3D	75	87	94
620-11894-17	MW-3D-FD	98	98	92
620-11894-17 - RA	MW-3D-FD	83	97	96
620-11894-18	MW-3S	90	90	89
LCS 410-390054/2-A	Lab Control Sample	97	108	83
LCS 410-390512/2-A	Lab Control Sample	110	112	112
LCS 410-391146/2-A	Lab Control Sample	108	96	102
LCSD 410-390054/14-A	Lab Control Sample Dup	112	103	90
LCSD 410-390512/3-A	Lab Control Sample Dup	118	112	118
LCSD 410-391146/3-A	Lab Control Sample Dup	101	92	94
MB 410-390054/1-A	Method Blank	96	110	94
MB 410-390512/1-A	Method Blank	102	99	109
MB 410-391146/1-A	Method Blank	108	99	94

Surrogate Legend

- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- PFTDA = 13C2 PFTeDA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFPeA = 13C5 PFPeA
- C8PFOA = 13C8 PFOA
- C8PFOS = 13C8 PFOS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- C3PFHS = 13C3 PFHxS
- 13C5PHA = 13C5 PFHxA
- C6PFDA = 13C6 PFDA
- 13C7PUA = 13C7 PFUnA
- PFOSA = 13C8 FOSA
- PFDODA = 13C2-PFDODA
- C9PFNA = 13C9 PFNA

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-390054/1-A
Matrix: Water
Analysis Batch: 396804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390054

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
NMeFOSAA	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorobutanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorohexanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorononanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluoropentanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
6:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
8:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/23/23 08:33	07/14/23 19:50	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	117		10 - 200	06/23/23 08:33	07/14/23 19:50	1
M2-6:2 FTS	97		17 - 200	06/23/23 08:33	07/14/23 19:50	1
M2-8:2 FTS	132		33 - 200	06/23/23 08:33	07/14/23 19:50	1
13C2 PFTeDA	96		10 - 179	06/23/23 08:33	07/14/23 19:50	1
13C3 PFBS	138		16 - 200	06/23/23 08:33	07/14/23 19:50	1
13C4 PFBA	100		42 - 165	06/23/23 08:33	07/14/23 19:50	1
13C4 PFHpA	112		31 - 182	06/23/23 08:33	07/14/23 19:50	1
13C5 PFPeA	115		38 - 187	06/23/23 08:33	07/14/23 19:50	1
13C8 PFOA	105		48 - 162	06/23/23 08:33	07/14/23 19:50	1
13C8 PFOS	113		51 - 159	06/23/23 08:33	07/14/23 19:50	1
d3-NMeFOSAA	108		31 - 174	06/23/23 08:33	07/14/23 19:50	1
d5-NEtFOSAA	108		29 - 195	06/23/23 08:33	07/14/23 19:50	1
13C3 PFHxS	114		28 - 188	06/23/23 08:33	07/14/23 19:50	1
13C5 PFHxA	104		24 - 179	06/23/23 08:33	07/14/23 19:50	1
13C6 PFDA	103		49 - 163	06/23/23 08:33	07/14/23 19:50	1
13C7 PFUnA	108		34 - 174	06/23/23 08:33	07/14/23 19:50	1
13C8 FOSA	96		10 - 168	06/23/23 08:33	07/14/23 19:50	1
13C2-PFDoDA	110		17 - 176	06/23/23 08:33	07/14/23 19:50	1
13C9 PFNA	94		51 - 167	06/23/23 08:33	07/14/23 19:50	1

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-390054/2-A
Matrix: Water
Analysis Batch: 396804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390054

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	25.6	19.49		ng/L		76	55 - 134
NMeFOSAA	25.6	23.92		ng/L		93	59 - 140
Perfluorobutanesulfonic acid	22.7	21.57		ng/L		95	53 - 138
Perfluorobutanoic acid	25.6	20.85		ng/L		81	59 - 136
Perfluorodecanesulfonic acid	24.7	23.40		ng/L		95	55 - 137
Perfluorodecanoic acid	25.6	25.30		ng/L		99	56 - 138
Perfluorododecanoic acid	25.6	23.11		ng/L		90	59 - 143
Perfluoroheptanesulfonic acid	24.4	19.71		ng/L		81	56 - 140
Perfluoroheptanoic acid	25.6	26.63		ng/L		104	59 - 145
Perfluorohexanesulfonic acid	23.3	22.74		ng/L		97	58 - 134
Perfluorohexanoic acid	25.6	27.91		ng/L		109	58 - 139
Perfluorononanesulfonic acid	24.6	26.14		ng/L		106	59 - 136
Perfluorononanoic acid	25.6	29.73		ng/L		116	61 - 139
Perfluorooctanesulfonamide	25.6	23.94		ng/L		94	43 - 167
Perfluorooctanesulfonic acid	23.7	22.47		ng/L		95	45 - 150
Perfluorooctanoic acid	25.6	30.19		ng/L		118	51 - 145
Perfluoropentanesulfonic acid	24.0	24.34		ng/L		101	55 - 140
Perfluoropentanoic acid	25.6	22.01		ng/L		86	57 - 141
Perfluorotetradecanoic acid	25.6	22.54		ng/L		88	62 - 139
Perfluorotridecanoic acid	25.6	22.40		ng/L		87	58 - 146
Perfluoroundecanoic acid	25.6	24.46		ng/L		96	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	22.45		ng/L		93	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	21.53		ng/L		88	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	18.89		ng/L		79	55 - 139

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	125		10 - 200
M2-6:2 FTS	94		17 - 200
M2-8:2 FTS	115		33 - 200
13C2 PFTeDA	101		10 - 179
13C3 PFBS	109		16 - 200
13C4 PFBA	79		42 - 165
13C4 PFHpA	109		31 - 182
13C5 PFPeA	112		38 - 187
13C8 PFOA	100		48 - 162
13C8 PFOS	95		51 - 159
d3-NMeFOSAA	112		31 - 174
d5-NEtFOSAA	123		29 - 195
13C3 PFHxS	119		28 - 188
13C5 PFHxA	94		24 - 179
13C6 PFDA	100		49 - 163
13C7 PFUnA	104		34 - 174
13C8 FOSA	97		10 - 168
13C2-PFDoDA	108		17 - 176
13C9 PFNA	83		51 - 167

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-390054/14-A
 Matrix: Water
 Analysis Batch: 396804

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 390054

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
NEtFOSAA	25.6	22.88		ng/L		89	55 - 134	16	30	
NMeFOSAA	25.6	22.48		ng/L		88	59 - 140	6	30	
Perfluorobutanesulfonic acid	22.7	21.11		ng/L		93	53 - 138	2	30	
Perfluorobutanoic acid	25.6	22.83		ng/L		89	59 - 136	9	30	
Perfluorodecanesulfonic acid	24.7	25.64		ng/L		104	55 - 137	9	30	
Perfluorodecanoic acid	25.6	27.26		ng/L		106	56 - 138	7	30	
Perfluorododecanoic acid	25.6	31.33		ng/L		122	59 - 143	30	30	
Perfluoroheptanesulfonic acid	24.4	22.35		ng/L		92	56 - 140	13	30	
Perfluoroheptanoic acid	25.6	31.66		ng/L		124	59 - 145	17	30	
Perfluorohexanesulfonic acid	23.3	18.47		ng/L		79	58 - 134	21	30	
Perfluorohexanoic acid	25.6	27.78		ng/L		109	58 - 139	0	30	
Perfluorononanesulfonic acid	24.6	25.15		ng/L		102	59 - 136	4	30	
Perfluorononanoic acid	25.6	29.85		ng/L		117	61 - 139	0	30	
Perfluorooctanesulfonamide	25.6	21.98		ng/L		86	43 - 167	9	30	
Perfluorooctanesulfonic acid	23.7	23.28		ng/L		98	45 - 150	4	30	
Perfluorooctanoic acid	25.6	28.42		ng/L		111	51 - 145	6	30	
Perfluoropentanesulfonic acid	24.0	23.97		ng/L		100	55 - 140	2	30	
Perfluoropentanoic acid	25.6	22.42		ng/L		88	57 - 141	2	30	
Perfluorotetradecanoic acid	25.6	27.10		ng/L		106	62 - 139	18	30	
Perfluorotridecanoic acid	25.6	29.88		ng/L		117	58 - 146	29	30	
Perfluoroundecanoic acid	25.6	25.01		ng/L		98	60 - 141	2	30	
6:2 Fluorotelomer sulfonic acid	24.3	27.76		ng/L		114	28 - 173	21	30	
8:2 Fluorotelomer sulfonic acid	24.5	26.36		ng/L		107	55 - 138	20	30	
4:2 Fluorotelomer sulfonic acid	23.9	25.86	*1	ng/L		108	55 - 139	31	30	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	128		10 - 200
M2-6:2 FTS	103		17 - 200
M2-8:2 FTS	112		33 - 200
13C2 PFTeDA	107		10 - 179
13C3 PFBS	128		16 - 200
13C4 PFBA	108		42 - 165
13C4 PFHpA	107		31 - 182
13C5 PFPeA	126		38 - 187
13C8 PFOA	104		48 - 162
13C8 PFOS	106		51 - 159
d3-NMeFOSAA	135		31 - 174
d5-NEtFOSAA	127		29 - 195
13C3 PFHxS	117		28 - 188
13C5 PFHxA	102		24 - 179
13C6 PFDA	124		49 - 163
13C7 PFUnA	123		34 - 174
13C8 FOSA	112		10 - 168
13C2-PFDoDA	103		17 - 176
13C9 PFNA	90		51 - 167

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: MB 410-390512/1-A
Matrix: Water
Analysis Batch: 395656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390512

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
NEtFOSAA	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
NMeFOSAA	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorobutanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorohexanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorononanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluoropentanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
6:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
8:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/26/23 06:30	07/12/23 05:20	1
	MB	MB						
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	115		10 - 200			06/26/23 06:30	07/12/23 05:20	1
M2-6:2 FTS	115		17 - 200			06/26/23 06:30	07/12/23 05:20	1
M2-8:2 FTS	112		33 - 200			06/26/23 06:30	07/12/23 05:20	1
13C2 PFTeDA	94		10 - 179			06/26/23 06:30	07/12/23 05:20	1
13C3 PFBS	125		16 - 200			06/26/23 06:30	07/12/23 05:20	1
13C4 PFBA	106		42 - 165			06/26/23 06:30	07/12/23 05:20	1
13C4 PFHpA	118		31 - 182			06/26/23 06:30	07/12/23 05:20	1
13C5 PFPeA	109		38 - 187			06/26/23 06:30	07/12/23 05:20	1
13C8 PFOA	113		48 - 162			06/26/23 06:30	07/12/23 05:20	1
13C8 PFOS	105		51 - 159			06/26/23 06:30	07/12/23 05:20	1
d3-NMeFOSAA	103		31 - 174			06/26/23 06:30	07/12/23 05:20	1
d5-NEtFOSAA	112		29 - 195			06/26/23 06:30	07/12/23 05:20	1
13C3 PFHxS	111		28 - 188			06/26/23 06:30	07/12/23 05:20	1
13C5 PFHxA	116		24 - 179			06/26/23 06:30	07/12/23 05:20	1
13C6 PFDA	102		49 - 163			06/26/23 06:30	07/12/23 05:20	1
13C7 PFUnA	108		34 - 174			06/26/23 06:30	07/12/23 05:20	1
13C8 FOSA	102		10 - 168			06/26/23 06:30	07/12/23 05:20	1
13C2-PFDoDA	99		17 - 176			06/26/23 06:30	07/12/23 05:20	1
13C9 PFNA	109		51 - 167			06/26/23 06:30	07/12/23 05:20	1

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-390512/2-A
Matrix: Water
Analysis Batch: 395656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	25.6	20.59		ng/L		80	55 - 134
NMeFOSAA	25.6	22.62		ng/L		88	59 - 140
Perfluorobutanesulfonic acid	22.7	19.33		ng/L		85	53 - 138
Perfluorobutanoic acid	25.6	22.32		ng/L		87	59 - 136
Perfluorodecanesulfonic acid	24.7	21.98		ng/L		89	55 - 137
Perfluorodecanoic acid	25.6	23.65		ng/L		92	56 - 138
Perfluorododecanoic acid	25.6	22.11		ng/L		86	59 - 143
Perfluoroheptanesulfonic acid	24.4	21.23		ng/L		87	56 - 140
Perfluoroheptanoic acid	25.6	22.88		ng/L		89	59 - 145
Perfluorohexanesulfonic acid	23.3	20.68		ng/L		89	58 - 134
Perfluorohexanoic acid	25.6	21.42		ng/L		84	58 - 139
Perfluorononanesulfonic acid	24.6	23.21		ng/L		94	59 - 136
Perfluorononanoic acid	25.6	23.95		ng/L		94	61 - 139
Perfluorooctanesulfonamide	25.6	22.57		ng/L		88	43 - 167
Perfluorooctanesulfonic acid	23.7	21.39		ng/L		90	45 - 150
Perfluorooctanoic acid	25.6	21.03		ng/L		82	51 - 145
Perfluoropentanesulfonic acid	24.0	20.35		ng/L		85	55 - 140
Perfluoropentanoic acid	25.6	22.70		ng/L		89	57 - 141
Perfluorotetradecanoic acid	25.6	21.17		ng/L		83	62 - 139
Perfluorotridecanoic acid	25.6	21.93		ng/L		86	58 - 146
Perfluoroundecanoic acid	25.6	23.28		ng/L		91	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	20.50		ng/L		84	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	20.00		ng/L		82	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	18.19		ng/L		76	55 - 139

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	106		10 - 200
M2-6:2 FTS	108		17 - 200
M2-8:2 FTS	119		33 - 200
13C2 PFTeDA	108		10 - 179
13C3 PFBS	127		16 - 200
13C4 PFBA	107		42 - 165
13C4 PFHpA	108		31 - 182
13C5 PFPeA	114		38 - 187
13C8 PFOA	110		48 - 162
13C8 PFOS	110		51 - 159
d3-NMeFOSAA	108		31 - 174
d5-NEtFOSAA	122		29 - 195
13C3 PFHxS	109		28 - 188
13C5 PFHxA	109		24 - 179
13C6 PFDA	110		49 - 163
13C7 PFUnA	114		34 - 174
13C8 FOSA	110		10 - 168
13C2-PFDoDA	112		17 - 176
13C9 PFNA	112		51 - 167

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-390512/3-A
 Matrix: Water
 Analysis Batch: 395656

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 390512

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
NEtFOSAA	25.6	21.05		ng/L		82	55 - 134	2	30	
NMeFOSAA	25.6	22.61		ng/L		88	59 - 140	0	30	
Perfluorobutanesulfonic acid	22.7	18.81		ng/L		83	53 - 138	3	30	
Perfluorobutanoic acid	25.6	22.93		ng/L		90	59 - 136	3	30	
Perfluorodecanesulfonic acid	24.7	21.89		ng/L		89	55 - 137	0	30	
Perfluorodecanoic acid	25.6	24.22		ng/L		95	56 - 138	2	30	
Perfluorododecanoic acid	25.6	22.57		ng/L		88	59 - 143	2	30	
Perfluoroheptanesulfonic acid	24.4	20.47		ng/L		84	56 - 140	4	30	
Perfluoroheptanoic acid	25.6	23.22		ng/L		91	59 - 145	1	30	
Perfluorohexanesulfonic acid	23.3	20.21		ng/L		87	58 - 134	2	30	
Perfluorohexanoic acid	25.6	21.93		ng/L		86	58 - 139	2	30	
Perfluorononanesulfonic acid	24.6	21.83		ng/L		89	59 - 136	6	30	
Perfluorononanoic acid	25.6	21.87		ng/L		85	61 - 139	9	30	
Perfluorooctanesulfonamide	25.6	21.72		ng/L		85	43 - 167	4	30	
Perfluorooctanesulfonic acid	23.7	21.07		ng/L		89	45 - 150	1	30	
Perfluorooctanoic acid	25.6	21.82		ng/L		85	51 - 145	4	30	
Perfluoropentanesulfonic acid	24.0	20.63		ng/L		86	55 - 140	1	30	
Perfluoropentanoic acid	25.6	22.19		ng/L		87	57 - 141	2	30	
Perfluorotetradecanoic acid	25.6	22.66		ng/L		89	62 - 139	7	30	
Perfluorotridecanoic acid	25.6	22.17		ng/L		87	58 - 146	1	30	
Perfluoroundecanoic acid	25.6	24.48		ng/L		96	60 - 141	5	30	
6:2 Fluorotelomer sulfonic acid	24.3	20.59		ng/L		85	28 - 173	0	30	
8:2 Fluorotelomer sulfonic acid	24.5	19.23		ng/L		78	55 - 138	4	30	
4:2 Fluorotelomer sulfonic acid	23.9	19.17		ng/L		80	55 - 139	5	30	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	110		10 - 200
M2-6:2 FTS	113		17 - 200
M2-8:2 FTS	128		33 - 200
13C2 PFTeDA	109		10 - 179
13C3 PFBS	132		16 - 200
13C4 PFBA	112		42 - 165
13C4 PFHpA	119		31 - 182
13C5 PFPeA	122		38 - 187
13C8 PFOA	116		48 - 162
13C8 PFOS	118		51 - 159
d3-NMeFOSAA	110		31 - 174
d5-NEtFOSAA	128		29 - 195
13C3 PFHxS	121		28 - 188
13C5 PFHxA	117		24 - 179
13C6 PFDA	114		49 - 163
13C7 PFUnA	113		34 - 174
13C8 FOSA	118		10 - 168
13C2-PFDoDA	112		17 - 176
13C9 PFNA	118		51 - 167

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: MB 410-391146/1-A
Matrix: Water
Analysis Batch: 398554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391146

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
NMeFOSAA	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorobutanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorohexanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorononanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluoropentanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
6:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
8:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/27/23 08:38	07/20/23 01:44	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	105		10 - 200	06/27/23 08:38	07/20/23 01:44	1
M2-6:2 FTS	105		17 - 200	06/27/23 08:38	07/20/23 01:44	1
M2-8:2 FTS	126		33 - 200	06/27/23 08:38	07/20/23 01:44	1
13C2 PFTeDA	90		10 - 179	06/27/23 08:38	07/20/23 01:44	1
13C3 PFBS	106		16 - 200	06/27/23 08:38	07/20/23 01:44	1
13C4 PFBA	95		42 - 165	06/27/23 08:38	07/20/23 01:44	1
13C4 PFHpA	104		31 - 182	06/27/23 08:38	07/20/23 01:44	1
13C5 PFPeA	97		38 - 187	06/27/23 08:38	07/20/23 01:44	1
13C8 PFOA	101		48 - 162	06/27/23 08:38	07/20/23 01:44	1
13C8 PFOS	101		51 - 159	06/27/23 08:38	07/20/23 01:44	1
d3-NMeFOSAA	130		31 - 174	06/27/23 08:38	07/20/23 01:44	1
d5-NEtFOSAA	135		29 - 195	06/27/23 08:38	07/20/23 01:44	1
13C3 PFHxS	100		28 - 188	06/27/23 08:38	07/20/23 01:44	1
13C5 PFHxA	105		24 - 179	06/27/23 08:38	07/20/23 01:44	1
13C6 PFDA	95		49 - 163	06/27/23 08:38	07/20/23 01:44	1
13C7 PFUnA	107		34 - 174	06/27/23 08:38	07/20/23 01:44	1
13C8 FOSA	108		10 - 168	06/27/23 08:38	07/20/23 01:44	1
13C2-PFDoDA	99		17 - 176	06/27/23 08:38	07/20/23 01:44	1
13C9 PFNA	94		51 - 167	06/27/23 08:38	07/20/23 01:44	1

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-391146/2-A
Matrix: Water
Analysis Batch: 398554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
NEtFOSAA	25.6	23.43		ng/L		92	55 - 134
NMeFOSAA	25.6	26.76		ng/L		105	59 - 140
Perfluorobutanesulfonic acid	22.7	23.77		ng/L		105	53 - 138
Perfluorobutanoic acid	25.6	26.95		ng/L		105	59 - 136
Perfluorodecanesulfonic acid	24.7	27.17		ng/L		110	55 - 137
Perfluorodecanoic acid	25.6	28.27		ng/L		110	56 - 138
Perfluorododecanoic acid	25.6	28.39		ng/L		111	59 - 143
Perfluoroheptanesulfonic acid	24.4	24.64		ng/L		101	56 - 140
Perfluoroheptanoic acid	25.6	28.42		ng/L		111	59 - 145
Perfluorohexanesulfonic acid	23.3	24.30		ng/L		104	58 - 134
Perfluorohexanoic acid	25.6	26.27		ng/L		103	58 - 139
Perfluorononanesulfonic acid	24.6	26.53		ng/L		108	59 - 136
Perfluorononanoic acid	25.6	27.87		ng/L		109	61 - 139
Perfluorooctanesulfonamide	25.6	25.32		ng/L		99	43 - 167
Perfluorooctanesulfonic acid	23.7	26.15		ng/L		110	45 - 150
Perfluorooctanoic acid	25.6	26.69		ng/L		104	51 - 145
Perfluoropentanesulfonic acid	24.0	26.02		ng/L		108	55 - 140
Perfluoropentanoic acid	25.6	27.91		ng/L		109	57 - 141
Perfluorotetradecanoic acid	25.6	28.40		ng/L		111	62 - 139
Perfluorotridecanoic acid	25.6	28.92		ng/L		113	58 - 146
Perfluoroundecanoic acid	25.6	28.29		ng/L		111	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	24.04		ng/L		99	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	22.59		ng/L		92	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	24.74		ng/L		103	55 - 139

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	104		10 - 200
M2-6:2 FTS	109		17 - 200
M2-8:2 FTS	129		33 - 200
13C2 PFTeDA	88		10 - 179
13C3 PFBS	109		16 - 200
13C4 PFBA	96		42 - 165
13C4 PFHpA	108		31 - 182
13C5 PFPeA	102		38 - 187
13C8 PFOA	108		48 - 162
13C8 PFOS	106		51 - 159
d3-NMeFOSAA	129		31 - 174
d5-NEtFOSAA	138		29 - 195
13C3 PFHxS	116		28 - 188
13C5 PFHxA	113		24 - 179
13C6 PFDA	99		49 - 163
13C7 PFUnA	106		34 - 174
13C8 FOSA	108		10 - 168
13C2-PFDoDA	96		17 - 176
13C9 PFNA	102		51 - 167

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-391146/3-A
Matrix: Water
Analysis Batch: 398554

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 391146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
NEtFOSAA	25.6	24.03		ng/L		94	55 - 134	3	30	
NMeFOSAA	25.6	26.51		ng/L		104	59 - 140	1	30	
Perfluorobutanesulfonic acid	22.7	24.18		ng/L		107	53 - 138	2	30	
Perfluorobutanoic acid	25.6	26.36		ng/L		103	59 - 136	2	30	
Perfluorodecanesulfonic acid	24.7	26.92		ng/L		109	55 - 137	1	30	
Perfluorodecanoic acid	25.6	28.41		ng/L		111	56 - 138	1	30	
Perfluorododecanoic acid	25.6	27.80		ng/L		109	59 - 143	2	30	
Perfluoroheptanesulfonic acid	24.4	26.83		ng/L		110	56 - 140	9	30	
Perfluoroheptanoic acid	25.6	27.21		ng/L		106	59 - 145	4	30	
Perfluorohexanesulfonic acid	23.3	25.75		ng/L		110	58 - 134	6	30	
Perfluorohexanoic acid	25.6	26.93		ng/L		105	58 - 139	2	30	
Perfluorononanesulfonic acid	24.6	26.68		ng/L		109	59 - 136	1	30	
Perfluorononanoic acid	25.6	27.32		ng/L		107	61 - 139	2	30	
Perfluorooctanesulfonamide	25.6	25.68		ng/L		100	43 - 167	1	30	
Perfluorooctanesulfonic acid	23.7	26.43		ng/L		112	45 - 150	1	30	
Perfluorooctanoic acid	25.6	27.02		ng/L		106	51 - 145	1	30	
Perfluoropentanesulfonic acid	24.0	26.40		ng/L		110	55 - 140	1	30	
Perfluoropentanoic acid	25.6	28.54		ng/L		111	57 - 141	2	30	
Perfluorotetradecanoic acid	25.6	29.82		ng/L		116	62 - 139	5	30	
Perfluorotridecanoic acid	25.6	28.67		ng/L		112	58 - 146	1	30	
Perfluoroundecanoic acid	25.6	27.39		ng/L		107	60 - 141	3	30	
6:2 Fluorotelomer sulfonic acid	24.3	24.02		ng/L		99	28 - 173	0	30	
8:2 Fluorotelomer sulfonic acid	24.5	22.43		ng/L		91	55 - 138	1	30	
4:2 Fluorotelomer sulfonic acid	23.9	24.89		ng/L		104	55 - 139	1	30	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	94		10 - 200
M2-6:2 FTS	97		17 - 200
M2-8:2 FTS	117		33 - 200
13C2 PFTeDA	83		10 - 179
13C3 PFBS	98		16 - 200
13C4 PFBA	90		42 - 165
13C4 PFHpA	94		31 - 182
13C5 PFPeA	90		38 - 187
13C8 PFOA	95		48 - 162
13C8 PFOS	92		51 - 159
d3-NMeFOSAA	120		31 - 174
d5-NEtFOSAA	135		29 - 195
13C3 PFHxS	94		28 - 188
13C5 PFHxA	94		24 - 179
13C6 PFDA	94		49 - 163
13C7 PFUnA	101		34 - 174
13C8 FOSA	101		10 - 168
13C2-PFDoDA	92		17 - 176
13C9 PFNA	94		51 - 167

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Lab Sample ID: MB 410-383064/1-A
Matrix: Drinking Water
Analysis Batch: 385393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383064

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorononanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
NEtFOSAA	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
NMeFOSAA	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/05/23 15:02	06/12/23 18:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	88		70 - 130	06/05/23 15:02	06/12/23 18:49	1
13C2 PFHxA	101		70 - 130	06/05/23 15:02	06/12/23 18:49	1
13C3 HFPO-DA	105		70 - 130	06/05/23 15:02	06/12/23 18:49	1
d5-NEtFOSAA	93		70 - 130	06/05/23 15:02	06/12/23 18:49	1

Lab Sample ID: LCS 410-383064/2-A
Matrix: Drinking Water
Analysis Batch: 385393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorohexanoic acid	20.5	22.61		ng/L		110	70 - 130
Perfluoroheptanoic acid	20.5	21.60		ng/L		105	70 - 130
Perfluorooctanoic acid	20.5	21.38		ng/L		104	70 - 130
Perfluorononanoic acid	20.5	20.61		ng/L		101	70 - 130
Perfluorodecanoic acid	20.5	20.00		ng/L		98	70 - 130
Perfluorotridecanoic acid	20.5	16.89		ng/L		82	70 - 130
Perfluorotetradecanoic acid	20.5	22.05		ng/L		108	70 - 130
Perfluorobutanesulfonic acid	18.1	19.22		ng/L		106	70 - 130
Perfluorohexanesulfonic acid	18.7	17.64		ng/L		94	70 - 130
Perfluorooctanesulfonic acid	19.0	18.22		ng/L		96	70 - 130
NEtFOSAA	20.5	20.86		ng/L		102	70 - 130
NMeFOSAA	20.5	20.31		ng/L		99	70 - 130
Perfluoroundecanoic acid	20.5	19.97		ng/L		98	70 - 130
Perfluorododecanoic acid	20.5	18.36		ng/L		90	70 - 130
HFPODA	20.5	22.61		ng/L		110	70 - 130
9CI-PF3ONS	19.0	18.12		ng/L		95	70 - 130
11CI-PF3OUdS	19.0	15.94		ng/L		84	70 - 130
DONA	19.4	21.54		ng/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	94		70 - 130
13C2 PFHxA	107		70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LCS 410-383064/2-A
Matrix: Drinking Water
Analysis Batch: 385393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383064

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	112		70 - 130
d5-NEtFOSAA	100		70 - 130

Lab Sample ID: LCSD 410-383064/3-A
Matrix: Drinking Water
Analysis Batch: 385393

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	20.5	23.20		ng/L		113	70 - 130	3	30	
Perfluoroheptanoic acid	20.5	22.40		ng/L		109	70 - 130	4	30	
Perfluorooctanoic acid	20.5	21.85		ng/L		107	70 - 130	2	30	
Perfluorononanoic acid	20.5	20.21		ng/L		99	70 - 130	2	30	
Perfluorodecanoic acid	20.5	20.43		ng/L		100	70 - 130	2	30	
Perfluorotridecanoic acid	20.5	17.40		ng/L		85	70 - 130	3	30	
Perfluorotetradecanoic acid	20.5	22.38		ng/L		109	70 - 130	1	30	
Perfluorobutanesulfonic acid	18.1	19.15		ng/L		106	70 - 130	0	30	
Perfluorohexanesulfonic acid	18.7	18.45		ng/L		99	70 - 130	4	30	
Perfluorooctanesulfonic acid	19.0	18.07		ng/L		95	70 - 130	1	30	
NEtFOSAA	20.5	20.89		ng/L		102	70 - 130	0	30	
NMeFOSAA	20.5	21.23		ng/L		104	70 - 130	4	30	
Perfluoroundecanoic acid	20.5	20.86		ng/L		102	70 - 130	4	30	
Perfluorododecanoic acid	20.5	19.02		ng/L		93	70 - 130	4	30	
HFPODA	20.5	22.77		ng/L		111	70 - 130	1	30	
9CI-PF3ONS	19.0	17.18		ng/L		90	70 - 130	5	30	
11CI-PF3OUdS	19.0	16.56		ng/L		87	70 - 130	4	30	
DONA	19.4	21.24		ng/L		110	70 - 130	1	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	99		70 - 130
13C2 PFHxA	107		70 - 130
13C3 HFPO-DA	114		70 - 130
d5-NEtFOSAA	103		70 - 130

Lab Sample ID: MB 410-383516/1-A
Matrix: Drinking Water
Analysis Batch: 384781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383516

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorononanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: MB 410-383516/1-A
Matrix: Drinking Water
Analysis Batch: 384781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383516

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
NMeFOSAA	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/06/23 15:09	06/09/23 09:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	85		70 - 130	06/06/23 15:09	06/09/23 09:16	1
13C2 PFHxA	104		70 - 130	06/06/23 15:09	06/09/23 09:16	1
13C3 HFPO-DA	104		70 - 130	06/06/23 15:09	06/09/23 09:16	1
d5-NEtFOSAA	94		70 - 130	06/06/23 15:09	06/09/23 09:16	1

Lab Sample ID: LCS 410-383516/2-A
Matrix: Drinking Water
Analysis Batch: 384781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	20.5	22.50		ng/L		110	70 - 130
Perfluoroheptanoic acid	20.5	20.45		ng/L		100	70 - 130
Perfluorooctanoic acid	20.5	21.76		ng/L		106	70 - 130
Perfluorononanoic acid	20.5	18.93		ng/L		92	70 - 130
Perfluorodecanoic acid	20.5	19.06		ng/L		93	70 - 130
Perfluorotridecanoic acid	20.5	17.16		ng/L		84	70 - 130
Perfluorotetradecanoic acid	20.5	20.14		ng/L		98	70 - 130
Perfluorobutanesulfonic acid	18.1	18.56		ng/L		102	70 - 130
Perfluorohexanesulfonic acid	18.7	17.17		ng/L		92	70 - 130
Perfluorooctanesulfonic acid	19.0	17.65		ng/L		93	70 - 130
NEtFOSAA	20.5	18.90		ng/L		92	70 - 130
NMeFOSAA	20.5	19.35		ng/L		94	70 - 130
Perfluoroundecanoic acid	20.5	18.79		ng/L		92	70 - 130
Perfluorododecanoic acid	20.5	17.84		ng/L		87	70 - 130
HFPODA	20.5	22.44		ng/L		110	70 - 130
9Cl-PF3ONS	19.0	17.24		ng/L		91	70 - 130
11Cl-PF3OUdS	19.0	15.58		ng/L		82	70 - 130
DONA	19.4	20.93		ng/L		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	85		70 - 130
13C2 PFHxA	104		70 - 130
13C3 HFPO-DA	108		70 - 130
d5-NEtFOSAA	95		70 - 130

QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

LCMS

Prep Batch: 383064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-4	56 Forest Edge Rd-Mid	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-5	56 Forest Edge Rd-Inf	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-6	56 Forest Edge Rd-Inf_FD	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-7	685 Beecher Hill Rd-Eff	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-8	685 Beecher Hill Rd-Mid	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-9	685 Beecher Hill Rd-Inf	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-10	455 North Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-19	152 Forest Edge Rd-Eff	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-383064/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-383064/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-383064/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Prep Batch: 383516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-20	152 Forest Edge Rd-Mid	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-21	152 Forest Edge Rd-Inf	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-22	56 Forest Edge Rd-Eff	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-24	FRB-053123	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-25	907 Beecher Hill Rd-Eff	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-26	907 Beecher Hill Rd-Mid	Total/NA	Drinking Water	537.1 DW Prep	
620-11894-27	907 Beecher Hill Rd-Inf	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-383516/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-383516/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 384781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-20	152 Forest Edge Rd-Mid	Total/NA	Drinking Water	EPA 537.1	383516
620-11894-21	152 Forest Edge Rd-Inf	Total/NA	Drinking Water	EPA 537.1	383516
620-11894-24	FRB-053123	Total/NA	Drinking Water	EPA 537.1	383516
620-11894-27	907 Beecher Hill Rd-Inf	Total/NA	Drinking Water	EPA 537.1	383516
MB 410-383516/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	383516
LCS 410-383516/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	383516

Analysis Batch: 385393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-4	56 Forest Edge Rd-Mid	Total/NA	Drinking Water	EPA 537.1	383064
620-11894-5	56 Forest Edge Rd-Inf	Total/NA	Drinking Water	EPA 537.1	383064
620-11894-6	56 Forest Edge Rd-Inf_FD	Total/NA	Drinking Water	EPA 537.1	383064
620-11894-7	685 Beecher Hill Rd-Eff	Total/NA	Drinking Water	EPA 537.1	383064
620-11894-8	685 Beecher Hill Rd-Mid	Total/NA	Drinking Water	EPA 537.1	383064
620-11894-9	685 Beecher Hill Rd-Inf	Total/NA	Drinking Water	EPA 537.1	383064
620-11894-10	455 North Rd	Total/NA	Drinking Water	EPA 537.1	383064
620-11894-19	152 Forest Edge Rd-Eff	Total/NA	Drinking Water	EPA 537.1	383064
MB 410-383064/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	383064
LCS 410-383064/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	383064
LCSD 410-383064/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	383064

Analysis Batch: 387040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-22	56 Forest Edge Rd-Eff	Total/NA	Drinking Water	EPA 537.1	383516
620-11894-25	907 Beecher Hill Rd-Eff	Total/NA	Drinking Water	EPA 537.1	383516

Eurofins New England

QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

LCMS (Continued)

Analysis Batch: 387040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-26	907 Beecher Hill Rd-Mid	Total/NA	Drinking Water	EPA 537.1	383516

Prep Batch: 390054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	SPE	
620-11894-2	MW-2D	Total/NA	Water	SPE	
MB 410-390054/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-390054/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-390054/14-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Prep Batch: 390512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-3	FRB-053023	Total/NA	Water	SPE	
620-11894-12	MW-4D	Total/NA	Water	SPE	
620-11894-13 - RA	MW-4S	Total/NA	Water	SPE	
620-11894-13	MW-4S	Total/NA	Water	SPE	
620-11894-14	EB-053023	Total/NA	Water	SPE	
620-11894-15	MW-1R	Total/NA	Water	SPE	
MB 410-390512/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-390512/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-390512/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Prep Batch: 391146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-16 - RA	MW-3D	Total/NA	Water	SPE	
620-11894-16	MW-3D	Total/NA	Water	SPE	
620-11894-17	MW-3D-FD	Total/NA	Water	SPE	
620-11894-17 - RA	MW-3D-FD	Total/NA	Water	SPE	
620-11894-18	MW-3S	Total/NA	Water	SPE	
MB 410-391146/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-391146/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-391146/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 395656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-3	FRB-053023	Total/NA	Water	537 IDA	390512
620-11894-12	MW-4D	Total/NA	Water	537 IDA	390512
620-11894-13 - RA	MW-4S	Total/NA	Water	537 IDA	390512
620-11894-14	EB-053023	Total/NA	Water	537 IDA	390512
620-11894-15	MW-1R	Total/NA	Water	537 IDA	390512
MB 410-390512/1-A	Method Blank	Total/NA	Water	537 IDA	390512
LCS 410-390512/2-A	Lab Control Sample	Total/NA	Water	537 IDA	390512
LCSD 410-390512/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	390512

Analysis Batch: 396070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-13	MW-4S	Total/NA	Water	537 IDA	390512

Analysis Batch: 396804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	537 IDA	390054

Eurofins New England

QC Association Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

LCMS (Continued)

Analysis Batch: 396804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-2	MW-2D	Total/NA	Water	537 IDA	390054
MB 410-390054/1-A	Method Blank	Total/NA	Water	537 IDA	390054
LCS 410-390054/2-A	Lab Control Sample	Total/NA	Water	537 IDA	390054
LCSD 410-390054/14-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	390054

Analysis Batch: 398554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-16	MW-3D	Total/NA	Water	537 IDA	391146
620-11894-17	MW-3D-FD	Total/NA	Water	537 IDA	391146
620-11894-18	MW-3S	Total/NA	Water	537 IDA	391146
MB 410-391146/1-A	Method Blank	Total/NA	Water	537 IDA	391146
LCS 410-391146/2-A	Lab Control Sample	Total/NA	Water	537 IDA	391146
LCSD 410-391146/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	391146

Analysis Batch: 399422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-16 - RA	MW-3D	Total/NA	Water	537 IDA	391146
620-11894-17 - RA	MW-3D-FD	Total/NA	Water	537 IDA	391146

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: MW-2S

Date Collected: 05/30/23 11:32

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			390054	K3UG	ELLE	06/23/23 08:33
Total/NA	Analysis	537 IDA		1	396804	R7RE	ELLE	07/15/23 00:13

Client Sample ID: MW-2D

Date Collected: 05/30/23 14:00

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			390054	K3UG	ELLE	06/23/23 08:33
Total/NA	Analysis	537 IDA		1	396804	R7RE	ELLE	07/15/23 00:38

Client Sample ID: FRB-053023

Date Collected: 05/30/23 12:30

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			390512	RC3V	ELLE	06/26/23 06:30
Total/NA	Analysis	537 IDA		1	395656	I5JH	ELLE	07/12/23 08:40

Client Sample ID: 56 Forest Edge Rd-Mid

Date Collected: 05/31/23 15:31

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 22:05

Client Sample ID: 56 Forest Edge Rd-Inf

Date Collected: 05/31/23 15:32

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 22:17

Client Sample ID: 56 Forest Edge Rd-Inf_FD

Date Collected: 05/31/23 15:32

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 22:28

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 685 Beecher Hill Rd-Eff
Date Collected: 05/31/23 16:20
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-7
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 22:40

Client Sample ID: 685 Beecher Hill Rd-Mid
Date Collected: 05/31/23 16:21
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-8
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 22:52

Client Sample ID: 685 Beecher Hill Rd-Inf
Date Collected: 05/31/23 16:22
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-9
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 23:03

Client Sample ID: 455 North Rd
Date Collected: 05/31/23 17:10
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-10
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 23:15

Client Sample ID: MW-4D
Date Collected: 05/30/23 14:20
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			390512	RC3V	ELLE	06/26/23 06:30
Total/NA	Analysis	537 IDA		1	395656	I5JH	ELLE	07/12/23 08:51

Client Sample ID: MW-4S
Date Collected: 05/30/23 16:25
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE	RA		390512	RC3V	ELLE	06/26/23 06:30
Total/NA	Analysis	537 IDA	RA	1	395656	I5JH	ELLE	07/12/23 09:02
Total/NA	Prep	SPE			390512	RC3V	ELLE	06/26/23 06:30
Total/NA	Analysis	537 IDA		1	396070	I5JH	ELLE	07/12/23 20:47

Lab Chronicle

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: EB-053023

Lab Sample ID: 620-11894-14

Date Collected: 05/30/23 17:45

Matrix: Water

Date Received: 06/02/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			390512	RC3V	ELLE	06/26/23 06:30
Total/NA	Analysis	537 IDA		1	395656	I5JH	ELLE	07/12/23 09:13

Client Sample ID: MW-1R

Lab Sample ID: 620-11894-15

Date Collected: 05/30/23 16:31

Matrix: Water

Date Received: 06/02/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			390512	RC3V	ELLE	06/26/23 06:30
Total/NA	Analysis	537 IDA		1	395656	I5JH	ELLE	07/12/23 09:24

Client Sample ID: MW-3D

Lab Sample ID: 620-11894-16

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			391146	K3UG	ELLE	06/27/23 08:38
Total/NA	Analysis	537 IDA		1	398554	I5JH	ELLE	07/20/23 05:26
Total/NA	Prep	SPE	RA		391146	K3UG	ELLE	06/27/23 08:38
Total/NA	Analysis	537 IDA	RA	1	399422	I5JH	ELLE	07/21/23 14:10

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			391146	K3UG	ELLE	06/27/23 08:38
Total/NA	Analysis	537 IDA		1	398554	I5JH	ELLE	07/20/23 05:38
Total/NA	Prep	SPE	RA		391146	K3UG	ELLE	06/27/23 08:38
Total/NA	Analysis	537 IDA	RA	1	399422	I5JH	ELLE	07/21/23 14:21

Client Sample ID: MW-3S

Lab Sample ID: 620-11894-18

Date Collected: 05/31/23 11:20

Matrix: Water

Date Received: 06/02/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			391146	K3UG	ELLE	06/27/23 08:38
Total/NA	Analysis	537 IDA		1	398554	I5JH	ELLE	07/20/23 05:49

Client Sample ID: 152 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-19

Date Collected: 05/31/23 14:47

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383064	WW2J	ELLE	06/05/23 15:02
Total/NA	Analysis	EPA 537.1		1	385393	DCS9	ELLE	06/12/23 23:26

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 152 Forest Edge Rd-Mid
Date Collected: 05/31/23 14:48
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-20
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383516	WW2J	ELLE	06/06/23 15:09
Total/NA	Analysis	EPA 537.1		1	384781	DCS9	ELLE	06/09/23 11:00

Client Sample ID: 152 Forest Edge Rd-Inf
Date Collected: 05/31/23 14:49
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-21
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383516	WW2J	ELLE	06/06/23 15:09
Total/NA	Analysis	EPA 537.1		1	384781	DCS9	ELLE	06/09/23 11:12

Client Sample ID: 56 Forest Edge Rd-Eff
Date Collected: 05/31/23 15:30
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-22
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383516	WW2J	ELLE	06/06/23 15:09
Total/NA	Analysis	EPA 537.1		1	387040	TAS6	ELLE	06/15/23 16:12

Client Sample ID: FRB-053123
Date Collected: 05/31/23 14:30
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-24
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383516	WW2J	ELLE	06/06/23 15:09
Total/NA	Analysis	EPA 537.1		1	384781	DCS9	ELLE	06/09/23 13:43

Client Sample ID: 907 Beecher Hill Rd-Eff
Date Collected: 06/01/23 09:42
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-25
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383516	WW2J	ELLE	06/06/23 15:09
Total/NA	Analysis	EPA 537.1		1	387040	TAS6	ELLE	06/15/23 16:24

Client Sample ID: 907 Beecher Hill Rd-Mid
Date Collected: 06/01/23 09:43
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-26
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			383516	WW2J	ELLE	06/06/23 15:09
Total/NA	Analysis	EPA 537.1		1	387040	TAS6	ELLE	06/15/23 16:36

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Client Sample ID: 907 Beecher Hill Rd-Inf
Date Collected: 06/01/23 09:54
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-27
Matrix: Drinking Water

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Prep	537.1 DW Prep			383516	WW2J	ELLE	06/06/23 15:09
Total/NA	Analysis	EPA 537.1		1	384781	DCS9	ELLE	06/09/23 14:29

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 IDA	SPE	Water	4:2 Fluorotelomer sulfonic acid
537 IDA	SPE	Water	6:2 Fluorotelomer sulfonic acid
537 IDA	SPE	Water	8:2 Fluorotelomer sulfonic acid
537 IDA	SPE	Water	NETFOSAA
537 IDA	SPE	Water	NMeFOSAA
537 IDA	SPE	Water	Perfluorobutanesulfonic acid
537 IDA	SPE	Water	Perfluorobutanoic acid
537 IDA	SPE	Water	Perfluorodecanesulfonic acid
537 IDA	SPE	Water	Perfluorodecanoic acid
537 IDA	SPE	Water	Perfluorododecanoic acid
537 IDA	SPE	Water	Perfluoroheptanesulfonic acid
537 IDA	SPE	Water	Perfluoroheptanoic acid
537 IDA	SPE	Water	Perfluorohexanesulfonic acid
537 IDA	SPE	Water	Perfluorohexanoic acid
537 IDA	SPE	Water	Perfluorononanesulfonic acid
537 IDA	SPE	Water	Perfluorononanoic acid
537 IDA	SPE	Water	Perfluorooctanesulfonamide
537 IDA	SPE	Water	Perfluorooctanesulfonic acid
537 IDA	SPE	Water	Perfluorooctanoic acid
537 IDA	SPE	Water	Perfluoropentanesulfonic acid
537 IDA	SPE	Water	Perfluoropentanoic acid
537 IDA	SPE	Water	Perfluorotetradecanoic acid
537 IDA	SPE	Water	Perfluorotridecanoic acid
537 IDA	SPE	Water	Perfluoroundecanoic acid



Method Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Method	Method Description	Protocol	Laboratory
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE
SPE	PFAS by SPE	Lab SOP	ELLE

Protocol References:

EPA = US Environmental Protection Agency
Lab SOP = Laboratory Standard Operating Procedure

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-11894-1	MW-2S	Water	05/30/23 11:32	06/02/23 09:15
620-11894-2	MW-2D	Water	05/30/23 14:00	06/02/23 09:15
620-11894-3	FRB-053023	Water	05/30/23 12:30	06/02/23 09:15
620-11894-4	56 Forest Edge Rd-Mid	Drinking Water	05/31/23 15:31	06/02/23 09:15
620-11894-5	56 Forest Edge Rd-Inf	Drinking Water	05/31/23 15:32	06/02/23 09:15
620-11894-6	56 Forest Edge Rd-Inf_FD	Drinking Water	05/31/23 15:32	06/02/23 09:15
620-11894-7	685 Beecher Hill Rd-Eff	Drinking Water	05/31/23 16:20	06/02/23 09:15
620-11894-8	685 Beecher Hill Rd-Mid	Drinking Water	05/31/23 16:21	06/02/23 09:15
620-11894-9	685 Beecher Hill Rd-Inf	Drinking Water	05/31/23 16:22	06/02/23 09:15
620-11894-10	455 North Rd	Drinking Water	05/31/23 17:10	06/02/23 09:15
620-11894-12	MW-4D	Water	05/30/23 14:20	06/02/23 09:15
620-11894-13	MW-4S	Water	05/30/23 16:25	06/02/23 09:15
620-11894-14	EB-053023	Water	05/30/23 17:45	06/02/23 09:15
620-11894-15	MW-1R	Water	05/30/23 16:31	06/02/23 09:15
620-11894-16	MW-3D	Water	05/31/23 13:15	06/02/23 09:15
620-11894-17	MW-3D-FD	Water	05/31/23 13:15	06/02/23 09:15
620-11894-18	MW-3S	Water	05/31/23 11:20	06/02/23 09:15
620-11894-19	152 Forest Edge Rd-Eff	Drinking Water	05/31/23 14:47	06/02/23 09:15
620-11894-20	152 Forest Edge Rd-Mid	Drinking Water	05/31/23 14:48	06/02/23 09:15
620-11894-21	152 Forest Edge Rd-Inf	Drinking Water	05/31/23 14:49	06/02/23 09:15
620-11894-22	56 Forest Edge Rd-Eff	Drinking Water	05/31/23 15:30	06/02/23 09:15
620-11894-24	FRB-053123	Drinking Water	05/31/23 14:30	06/02/23 09:15
620-11894-25	907 Beecher Hill Rd-Eff	Drinking Water	06/01/23 09:42	06/02/23 09:15
620-11894-26	907 Beecher Hill Rd-Mid	Drinking Water	06/01/23 09:43	06/02/23 09:15
620-11894-27	907 Beecher Hill Rd-Inf	Drinking Water	06/01/23 09:54	06/02/23 09:15

11894

Chain of Custody Record



620-11894 Chain of Custody

Sampler LMP / KJM / JGW	Lab PM Huntley, Agnes R	Carrier Tracking No(s)	COC No 620-10405-418 1
Phone	E-Mail Agnes.Huntley@et.eurofins.com	State of Origin VT	Page Page 1 of 4 Page 1 of 3

Ms. Katrina Mattice	PWSID	Job #
Company Stone Environmental	Analysis Requested	

Address 535 Stone Cutters Way	Due Date Requested:	<table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td></tr> <tr><td>Perform MS/MSD (Yes or No)</td></tr> <tr><td>8260C - 8260 Standard List</td></tr> <tr><td>SUBCONTRACT - COD</td></tr> <tr><td>SUBCONTRACT - Chloride by 300</td></tr> <tr><td>6010D, 7470A</td></tr> <tr><td>PFC_IDA - PFAS list of 24</td></tr> <tr><td>524.2_Preserved - (MOD) Regulated + THM's</td></tr> <tr><td>524.2_Preserved - Regulated + THM's</td></tr> <tr><td>537.1_DW - DW EPA 537.1 List of 18</td></tr> </table>	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 Standard List	SUBCONTRACT - COD	SUBCONTRACT - Chloride by 300	6010D, 7470A	PFC_IDA - PFAS list of 24	524.2_Preserved - (MOD) Regulated + THM's	524.2_Preserved - Regulated + THM's	537.1_DW - DW EPA 537.1 List of 18	Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)
Field Filtered Sample (Yes or No)													
Perform MS/MSD (Yes or No)													
8260C - 8260 Standard List													
SUBCONTRACT - COD													
SUBCONTRACT - Chloride by 300													
6010D, 7470A													
PFC_IDA - PFAS list of 24													
524.2_Preserved - (MOD) Regulated + THM's													
524.2_Preserved - Regulated + THM's													
537.1_DW - DW EPA 537.1 List of 18													
City: Montpelier	TAT Requested (days): Normal												
State, Zip VT, 05602	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No												
Phone 802-229-6434(Tel)	PO # 20211205												
Email kmattice@stone-env.com	WO # 20211205												
Project Name Town of Hinesburg Landfill - 20211205	Project # 62000809												
Site	SSOW#												

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - 8260 Standard List	SUBCONTRACT - COD	SUBCONTRACT - Chloride by 300	6010D, 7470A	PFC_IDA - PFAS list of 24	524.2_Preserved - (MOD) Regulated + THM's	524.2_Preserved - Regulated + THM's	537.1_DW - DW EPA 537.1 List of 18	Total Number of containers	Special Instructions/Note:
MW-2S	5/30/23	1132	G	Water	X	X	X	X	X	X					8	
MW-2D	5/30/23	1400	G	Water	X	X	X	X	X	X					8	
FRB-053023	5/30/23	1230	G	Water	X	X					X				2	
56 Forest Edge Rd - Mid	5/31/23	1531	G	Water	X							X	X		5	
56 Forest Edge Rd - Inf	5/31/23	1532	G	Water	X							X	X		5	
56 Forest Edge Rd - Inf-FO	5/31/23	1532	G	Water	X							X	X		5	
685 Beecher Hill Rd - Eff	5/31/23	1620	G	Water	X							X	X		5	
685 Beecher Hill Rd - Mid	5/31/23	1621	G	Water	X							X	X		5	
685 Beecher Hill Rd - Inf	5/31/23	1622	G	Water	X							X	X		5	
455 North Rd	5/31/23	1710	G	Water	X							X	X		5	
TB-053123	5/31/23	1800	G	Water	X							X	X	SGN 5/31/23	5	

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) II	Special Instructions/QC Requirements Equis EDD

Empty Kit Relinquished by	Date	Time	Method of Shipment
Relinquished by: <i>Joanna Witt</i>	Date/Time: 5/31/23 1800	Company: Stone	Received by: <i>Carole Curry</i> Date/Time: 6/1/23 1045 Company: <i>ETA-BUI</i>
Relinquished by: <i>[Signature]</i>	Date/Time: 6/1/23 1500	Company: <i>ETA-B</i>	Received by: <i>Agnes Huntley</i> Date/Time: 6/2/23 915 Company: <i>ENE</i>
Relinquished by:	Date/Time:	Company:	Received by: Date/Time: Company:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks 0.4 / +0.2 / 0.6 °C 3.6 °C / +0.2 / 3.8 °C 2.4 / +0.2 / 2.6 °C
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Page 04 of 07

7/24/2023

Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone 413-789-9018

Chain of Custody Record

11894



Environment Testing

Client Information		Sampler: JGW, LMP		Lab PM: Huntley, Agnes R		Carrier Tracking No(s)		COC No: 620-10405-418 1						
Client Contact: Ms Katrina Mattice		Phone		E-Mail: Agnes.Huntley@et.eurofinsus.com		State of Origin: VT		Page: Page 1 of 4 - Page 2 of 3						
Company: Stone Environmental			PWSID		Analysis Requested					Job #				
Address: 535 Stone Cutters Way			Due Date Requested:		Perform MS/MSD (Yes or No) 8260C - 8260 Standard List SUBCONTRACT - COD SUBCONTRACT - Chloride by 300 6010D, 7470A PFC_IDA - PFAS list of 24 524.2_Preserved - (MOD) Regulated + THM's 524.2_Preserved - Regulated + THM's 537.1_DW - DW EPA 537.1 List of 18	TAT Requested (days): Standard		Preservation Codes:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)				
City: Montpelier			Compliance Project: Δ Yes Δ No			PO #: 20211205		A - HCL						
State, Zip: VT, 05602			PO #: 20211205			WO #: 20211205		B - NaOH						
Phone: 802-229-6434(Tel)			Project #: 62000809			SSOW#		C - Zn Acetate						
Email: kmattice@stone-env.com			Site:					D - Nitric Acid						
Project Name: Town of Hinesburg Landfill - 20211205							E - NaHSO4		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)		Total Number of containers		Special Instructions/Note:	
							Preservation Code:		Field Filtered Sample (Yes or No)					
									A		S		N	
1 MW-40			5/31/23		1420		G		Water		N		N	
2 MW-45			5/30/23		1625		G		Water		N		N	
3 EB-03023			5/30/23		1745		G		Water		N		N	
4 MW-1R			5/3/23		1631		G		Water		N		N	
5 MW-3D			5/31/23		1315		G		Water		N		N	
6 MW-3D-FD			5/31/23		1315		G		Water		N		N	
7 MW-3S			5/31/23		1120		G		Water		N		N	
8 152 Forrest Edge Rd - Eff			5/31/23		1447		G		Water		N		N	
9 152 Forrest Edge Rd - Mid			5/31/23		1448		G		Water		N		N	
10 152 Forrest Edge Rd - Inf			5/31/23		1449		G		Water		N		N	
11 156 Forrest Edge Rd - Eff			5/31/23		1530		G		Water		N		N	
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: Joanna Wright			Date/Time: 5/31/23 1800		Company: Stone		Received by: [Signature]		Date/Time: 6/1/23 1045		Company: ESA-BVI			
Relinquished by: [Signature]			Date/Time: 6/1/23 1500		Company: ETS		Received by: [Signature]		Date/Time: 6/2/23 915		Company: EUE			
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									
					0.4/16.2/0.6 3.6/10.2/3.8 2.4/10.2/2.6°C IRL6									

Page 05 of 07

7/24/2023



SAMPLE RECEIVING
TEST AMERICA
530 COMMUNITY DRIVE
SUITE 11
BURLINGTON, VT 05401
UNITED STATES US

ACTWGT: 48.00 LB MAN
CAD: 000890364/CAFE3621
DIMS: 24x14x16 IN
BILL RECIPIENT

Part # 159489-034 MTW EXP 12/23

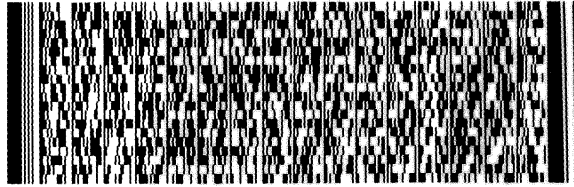
TO **SAMPLE RECEIVING
EUROFINS NEW ENGLAND
646 CAMP AVE**

NORTH KINGSTOWN RI 02852

INU:
PO:

REF:

DEPT:



FedEx
Express



3 of 3

MPS# 6456 6136 6263
0263

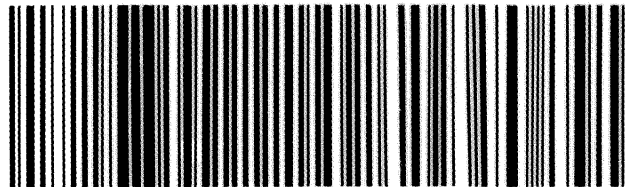
Mstr# 6456 6136 6241

0201

**FRI - 02 JUN 10:30A
PRIORITY OVERNIGHT**

XE NCOA

**02852
RI-US PVD**



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record



Client Information (Sub Contract Lab)		Sample:		Lab PM Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-9824.1			
Client Contact Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofins.com		State of Origin: Vermont		Page: Page 1 of 3			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note). State - Vermont				Job #: 620-11894-2			
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601		Due Date Requested: 6/15/2023		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)	
Phone: 717-656-2300(Tel)		TAT Requested (days):									
PO #:		WO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers			
Project Name: Town of Hinesburg Landfill - Hinesburg,		Project #: 62000809		PFC_IDA/3535_PFC PFAS list of 24		PRE_SCREEN_PFAS/PFAS_PreScn_W_P		537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18			
Site		SSOW#:		PRE_SCREEN							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, D=waste/oli, BT=Issue, A=Air)			
								Special Instructions/Note:			
						Preservation Code:					
MW-2S (620-11894-1)		5/30/23		11:32 Eastern		Water		X X			
MW-2D (620-11894-2)		5/30/23		14:00 Eastern		Water		X X			
FRB-053023 (620-11894-3)		5/30/23		12:30 Eastern		Water		X X			
56 Forest Edge Rd-Mid (620-11894-4)		5/31/23		15:31 Eastern		Drinking Water		X X			
56 Forest Edge Rd-Inf (620-11894-5)		5/31/23		15:32 Eastern		Drinking Water		X X			
56 Forest Edge Rd-Inf_FD (620-11894-6)		5/31/23		15:32 Eastern		Drinking Water		X X			
685 Beecher Hill Rd-Eff (620-11894-7)		5/31/23		16:20 Eastern		Drinking Water		X X			
685 Beecher Hill Rd-Mid (620-11894-8)		5/31/23		16:21 Eastern		Drinking Water		X X			
685 Beecher Hill Rd-Inf (620-11894-9)		5/31/23		16:22 Eastern		Drinking Water		X X			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2						
Special Instructions/QC Requirements:											
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: <i>[Signature]</i>			Date/Time: 6/14/23 17:40		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>				
Relinquished by: <i>[Signature]</i>			Date/Time:		Company:		Received by: <i>[Signature]</i>				
Relinquished by: <i>[Signature]</i>			Date/Time:		Company:		Received by: <i>[Signature]</i>				
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:						



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM Huntley, Agnes R		Carrier Tracking No(s)		COC No: 620-9824.2			
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofinsus.com		State of Origin: Vermont		Page: Page 2 of 3			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note). State - Vermont				Job #: 620-11894-2			
Address: 2425 New Holland Pike,		Due Date Requested: 6/15/2023		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)	
City: Lancaster		TAT Requested (days):									
State, Zip: PA, 17601		PG #:									
Phone: 717-656-2300(Tel)		WO #:									
Email:											
Project Name: Town of Hinesburg Landfill - Hinesburg,		Project #: 62000809		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Site:		SSOW#:		PFC_IDA/3535_PFC PFAS list of 24		PRE_SCREEN_PPFA/PPAS_PreScn_W_P					
				537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18		PRE_SCREEN					
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, D=dewater, BT=Tissue, A=Air)		Special Instructions/Note:	
						Preservation Code:					
455 North Rd (620-11894-10)		5/31/23		17:10 Eastern		Drinking Water				5 VT VGES/MCL	
TB-53123 (620-11894-11)		5/31/23		18:00 Eastern		Drinking Water				2	
MW-4D (620-11894-12)		5/30/23		14:20 Eastern		Water		X X		2	
MW-4S (620-11894-13)		5/30/23		16:25 Eastern		Water		X X		4	
EB-053023 (620-11894-14)		5/30/23		17:45 Eastern		Water		X X		4	
MW-1R (620-11894-15)		5/30/23		16:31 Eastern		Water		X X		4	
MW-3D (620-11894-16)		5/31/23		13:15 Eastern		Water		X X		4	
MW-3D-FD (620-11894-17)		5/31/23		13:15 Eastern		Water		X X		3	
MW-3S (620-11894-18)		5/31/23		11:20 Eastern		Water		X X		4	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: <i>[Signature]</i>			Date/Time: 6/11/23 17:40		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Date/Time: <i>[Signature]</i>		
Relinquished by: <i>[Signature]</i>			Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: <i>[Signature]</i>		
Relinquished by: <i>[Signature]</i>			Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 6-3-23 0945 <i>[Signature]</i>		
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:						



Eurofins New England

646 Camp Ave
 North Kingstown, RI 02852
 Phone: 413-789-9018

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:								
Client Contact: Shipping/Receiving		Phone:	Huntley, Agnes R		620-9824.3								
Company: Eurofins Lancaster Laboratories Environm		E-Mail:	Agnes Huntley@et.eurofins.com	State of Origin: Vermont	Page: Page 3 of 3								
Address: 2425 New Holland Pike,		Accreditations Required (See note): State - Vermont	Job #: 620-11894-2		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)								
Due Date Requested: 6/15/2023		Analysis Requested											
TAT Requested (days):		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA/3535_PFC PFAS list of 24 PRE_SCREEN_PFCAS/PFAS_Prescn_W_P 537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18 PRE_SCREEN											
City: Lancaster		Total Number of containers											
State, Zip: PA, 17601													
Phone: 717-656-2300(Tel)													
Email:													
Project Name: Town of Hinesburg Landfill - Hinesburg,		Project #: 62000809											
Site:		SSOW#											
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soils/sol, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24	PRE_SCREEN_PFCAS/PFAS_Prescn_W_P	537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18	PRE_SCREEN	Total Number of containers	Special Instructions/Note:
				Preservation Code:									
152 Forest Edge Rd-Eff (620-11894-19)		5/31/23	14:47 Eastern		Drinking Water				X	X		5	VT VGES/MCL
152 Forest Edge Rd-Mid (620-11894-20)		5/31/23	14:48 Eastern		Drinking Water				X	X		5	VT VGES/MCL
152 Forest Edge Rd-Inf (620-11894-21)		5/31/23	14:49 Eastern		Drinking Water				X	X		5	VT VGES/MCL
56 Forest Edge Rd-Eff (620-11894-22)		5/31/23	15:30 Eastern		Drinking Water				X	X		3	VT VGES/MCL
FRB-053123 (620-11894-24)		5/31/23	14:30 Eastern		Drinking Water				X			2	VT VGES/MCL
907 Beecher Hill Rd-Eff (620-11894-25)		6/1/23	09:42 Eastern		Drinking Water				X	X		3	VT VGES/MCL
907 Beecher Hill Rd-Mid (620-11894-26)		6/1/23	09:43 Eastern		Drinking Water				X	X		5	VT VGES/MCL
907 Beecher Hill Rd-Inf (620-11894-27)		6/1/23	09:54 Eastern		Drinking Water				X	X		4	VT VGES/MCL
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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:					
Reinquished by: <i>[Signature]</i>				Date/Time: 6/2/23 17:40		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Date/Time:		Company:	
Reinquished by: <i>[Signature]</i>				Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time:		Company:	
Reinquished by:				Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 6-3-23 09:45		Company: <i>[Signature]</i>	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:									



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Lab PM: Huntley, Agnes R	Carrier Tracking No(s):	COC No: 620-9824.1							
Client Contact: Shipping/Receiving		Phone:	E-Mail: Agnes.Huntley@et.eurofinsus.com	State of Origin: Vermont	Page: Page 1 of 3							
Company: Eurofins Lancaster Laboratories Environm			Accreditations Required (See note): State - Vermont		Job #: 620-11894-1							
Address: 2425 New Holland Pike, City: Lancaster State, Zip PA, 17601 Phone: 717-656-2300(Tel) Email:		Due Date Requested: 6/15/2023 TAT Requested (days):	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 - Na2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:						
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:		Project #: 62000809 SSOW#										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4	300_ORGFM_28DI (MOD) Copy Analytes	524.2_Preserved! (MOD) Regulated + THM's	Total Number of containers	Special Instructions/Note:
				Preservation Code:								
MW-2S (620-11894-1)		5/30/23	11:32 Eastern		Water		X	X				4
MW-2D (620-11894-2)		5/30/23	14:00 Eastern		Water		X	X				4
56 Forest Edge Rd-Mid (620-11894-4)		5/31/23	15:31 Eastern		Drinking Water				X			4
56 Forest Edge Rd-Inf (620-11894-5)		5/31/23	15:32 Eastern		Drinking Water				X			4
56 Forest Edge Rd-Inf_FD (620-11894-6)		5/31/23	15:32 Eastern		Drinking Water				X			5
685 Beecher Hill Rd-Eff (620-11894-7)		5/31/23	16:20 Eastern		Drinking Water				X			5
685 Beecher Hill Rd-Mid (620-11894-8)		5/31/23	16:21 Eastern		Drinking Water				X			5
685 Beecher Hill Rd-Inf (620-11894-9)		5/31/23	16:22 Eastern		Drinking Water				X			5
455 North Rd (620-11894-10)		5/31/23	17:10 Eastern		Drinking Water				X			5
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC</p>												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2			Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:						
Relinquished by: <i>[Signature]</i>		Date/Time: 6/2/23 15:40		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Date/Time:		Company:		
Relinquished by: <i>[Signature]</i>		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time:		Company:		
Relinquished by: <i>[Signature]</i>		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 6-5-23 0945		Company: <i>[Signature]</i>		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>RAW 1.3 - 5.3</i>								



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-9824.2																																																																				
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofinsus.com		State of Origin: Vermont		Page: Page 2 of 3																																																																				
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Vermont				Job #: 620-11894-1																																																																				
Address: 2425 New Holland Pike,		Due Date Requested: 6/15/2023		<table border="1"> <thead> <tr> <th colspan="10">Analysis Requested</th> </tr> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>410.4</th> <th>300_ORGFM_280/ (MOD) Copy Analytes</th> <th>524.2_Preserved/ (MOD) Regulated + THM's</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Total Number of Containers</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Analysis Requested										Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4	300_ORGFM_280/ (MOD) Copy Analytes	524.2_Preserved/ (MOD) Regulated + THM's						Total Number of Containers																																													Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:	
Analysis Requested																																																																												
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4	300_ORGFM_280/ (MOD) Copy Analytes							524.2_Preserved/ (MOD) Regulated + THM's						Total Number of Containers																																																												
City: Lancaster		TAT Requested (days):		PO #:		WO #:		Project Name: Town of Hinesburg Landfill - Hinesburg,		Project #: 62000809																																																																		
State, Zip: PA, 17601		SSOW#:		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)																																																																		
Phone: 717-656-2300(Tel)		Project #: 62000809		Preservation Code:						Special Instructions/Note:																																																																		
Email:		SSOW#:																																																																										
Project Name: Town of Hinesburg Landfill - Hinesburg,		SSOW#:																																																																										
Site:																																																																												
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)		Total Number of Containers																																																																		
TB-53123 (620-11894-11)		5/31/23		18:00 Eastern		Drinking Water		Water		2																																																																		
MW-4D (620-11894-12)		5/30/23		14:20 Eastern		Water		Water		2																																																																		
MW-4S (620-11894-13)		5/30/23		16:25 Eastern		Water		Water		4																																																																		
EB-053023 (620-11894-14)		5/30/23		17:45 Eastern		Water		Water		4																																																																		
MW-1R (620-11894-15)		5/30/23		16:31 Eastern		Water		Water		4																																																																		
MW-3D (620-11894-16)		5/31/23		13:15 Eastern		Water		Water		4																																																																		
MW-3D-FD (620-11894-17)		5/31/23		13:15 Eastern		Water		Water		3																																																																		
MW-3S (620-11894-18)		5/31/23		11:20 Eastern		Water		Water		4																																																																		
152 Forest Edge Rd-Eff (620-11894-19)		5/31/23		14:47 Eastern		Drinking Water		Water		5																																																																		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____

Relinquished by: Date/Time: 6/20/23 12:40 Company:

Relinquished by: Date/Time: _____ Company: _____

Relinquished by: Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: Raw 1.3 - 5.3

Ver: 06/08/2021



Eurofins New England
 646 Camp Ave
 North Kingstown, RI 02852
 Phone: 413-789-9018

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-9824.3					
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofinsus.com		State of Origin: Vermont		Page: Page 3 of 3					
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note) State - Vermont				Job #: 620-11894-1					
Address: 2425 New Holland Pike,		Due Date Requested: 6/15/2023		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 Dodacahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:			
City: Lancaster		TAT Requested (days):											
State, Zip: PA, 17601		PO #:											
Phone: 717-656-2300(Tel)		WO #:											
Email:		Project Name: Town of Hinesburg Landfill - Hinesburg,		Project #: 62000809		SSOW#:							
Site:													
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4	300_ORGFM_28DI (MOD) Copy Analytes	524.2_Preserved/ (MOD) Regulated + THM's	Total Number of containers	Special Instructions/Note:	
				Preservation Code:									
152 Forest Edge Rd-Mid (620-11894-20)		5/31/23	14:48 Eastern		Drinking Water						5		
152 Forest Edge Rd-Inf (620-11894-21)		5/31/23	14:49 Eastern		Drinking Water						5		
56 Forest Edge Rd-Eff (620-11894-22)		5/31/23	15:30 Eastern		Drinking Water						3		
907 Beecher Hill Rd-Eff (620-11894-25)		6/1/23	09:42 Eastern		Drinking Water						3		
907 Beecher Hill Rd-Mid (620-11894-26)		6/1/23	09:43 Eastern		Drinking Water						5		
907 Beecher Hill Rd-Inf (620-11894-27)		6/1/23	09:54 Eastern		Drinking Water						4		
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC</p>													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements:							
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:						
Relinquished by: <i>[Signature]</i>		Date/Time: 6/2/23 19:40		Company: <i>[Signature]</i>		Received by:		Date/Time:		Company:			
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time:		Company:			
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 6-3-23 0945		Company: <i>[Signature]</i>			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: Raw 1.3 - 5.3									

AK

Ver: 06/08/2021

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Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-11894-2

Login Number: 11894

List Number: 1

Creator: Makhoul, Elie

List Source: Eurofins New England

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	
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: Stone Environmental

Job Number: 620-11894-2

Login Number: 11894

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 06/03/23 03:00 PM

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	





ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Katrina Mattice
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 6/26/2023 12:31:04 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-11894-1

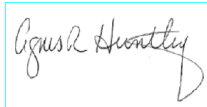
Eurofins New England

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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.

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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

Case Narrative

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Job ID: 620-11894-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-11894-1

Receipt

The samples were received on 6/2/2023 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.6° C, 2.6° C and 3.8° C.

GC/MS VOA

Method 8260C: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria. Affected analytes (biased high): 1,1,2,2-Tetrachloroethane. (CCVIS 620-23535/3)

Method 8260C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 620-23535 recovered outside in-house control limits for the following analytes: Chlorobenzene and Bromoform. These analytes were outside control limits in the LCS/LCSD and were not detected in the associated samples. According to 8260C requirements, <10% of analytes are allowed to recover outside control limits; therefore, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 620-23577 exhibited % difference of > 20% for the following analytes: 1,1-Dichloroethane, and Dibromomethane; however, the results of the LCS were within the CCV acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 20% difference from the initial calibration. According to the laboratory standard operating procedure, the LCS is acceptable if it meets the CCV acceptance criteria.

Method 8260C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 620-23577 recovered outside in-house control limits for the following analytes: Chlorobenzene and Bromoform. These analytes were outside control limits in the LCS/LCSD but were within the method limit of 70-130%. According to 8260C requirements, <10% of analytes are allowed to recover outside control limits as long as they recover within 70-130%; therefore, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 620-23577 recovered above the upper control limit for Chlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; 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.

HPLC/IC

No analytical or quality issues were noted, other than those described 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 410.4: The following sample was diluted due to the nature of the sample matrix: MW-4D (620-11894-12). 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.

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2S

Lab Sample ID: 620-11894-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.14		1.00	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	1.54		1.00	ug/L	1		8260C	Total/NA
Arsenic	0.113		0.00400	mg/L	1		6010D	Total/NA
Iron	14.6		0.0500	mg/L	1		6010D	Total/NA
Manganese	1.13		0.00500	mg/L	1		6010D	Total/NA
Nickel	0.0151		0.00500	mg/L	1		6010D	Total/NA
Sodium	3.58		0.750	mg/L	1		6010D	Total/NA

Client Sample ID: MW-2D

Lab Sample ID: 620-11894-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	1.74		1.00	ug/L	1		8260C	Total/NA
Arsenic	0.0185		0.00400	mg/L	1		6010D	Total/NA
Iron	3.14		0.0500	mg/L	1		6010D	Total/NA
Manganese	0.220		0.00500	mg/L	1		6010D	Total/NA
Sodium	6.02		0.750	mg/L	1		6010D	Total/NA

Client Sample ID: 56 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-4

No Detections.

Client Sample ID: 56 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.576		0.500	ug/L	1		524.2	Total/NA

Client Sample ID: 56 Forest Edge Rd-Inf_FD

Lab Sample ID: 620-11894-6

No Detections.

Client Sample ID: 685 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-7

No Detections.

Client Sample ID: 685 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-8

No Detections.

Client Sample ID: 685 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-9

No Detections.

Client Sample ID: 455 North Rd

Lab Sample ID: 620-11894-10

No Detections.

Client Sample ID: TB-53123

Lab Sample ID: 620-11894-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.605		0.500	ug/L	1		524.2	Total/NA

Client Sample ID: MW-4D

Lab Sample ID: 620-11894-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00575		0.00400	mg/L	1		6010D	Total/NA
Chromium	0.0165		0.00500	mg/L	1		6010D	Total/NA
Copper	0.0432		0.00500	mg/L	1		6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4D (Continued)

Lab Sample ID: 620-11894-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Iron	13.8		0.0500	mg/L	1		6010D	Total/NA
Lead	0.0545		0.00750	mg/L	1		6010D	Total/NA
Manganese	0.542		0.00500	mg/L	1		6010D	Total/NA
Nickel	0.0181		0.00500	mg/L	1		6010D	Total/NA
Sodium	7.18		0.750	mg/L	1		6010D	Total/NA
Zinc	0.0521		0.0250	mg/L	1		6010D	Total/NA
Chemical Oxygen Demand	173		75.0	mg/L	1		410.4	Total/NA

Client Sample ID: MW-4S

Lab Sample ID: 620-11894-13

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.22		1.00	ug/L	1		8260C	Total/NA
Chlorobenzene	2.79	*+	1.00	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	1.47		1.00	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.08		1.00	ug/L	1		8260C	Total/NA
Tetrahydrofuran	11.9		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	11.0		1.00	ug/L	1		8260C	Total/NA
Chloride	15.4		7.50	mg/L	5		EPA 300.0 R2.1	Total/NA
Arsenic	0.386		0.00800	mg/L	1		6010D	Total/NA
Iron	33.5		0.100	mg/L	1		6010D	Total/NA
Manganese	0.325		0.0100	mg/L	1		6010D	Total/NA
Nickel	0.0735		0.0100	mg/L	1		6010D	Total/NA
Sodium	33.5		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: EB-053023

Lab Sample ID: 620-11894-14

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Tetrahydrofuran	3.11		2.00	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1R

Lab Sample ID: 620-11894-15

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Iron	1.40		0.100	mg/L	1		6010D	Total/NA
Manganese	0.125		0.0100	mg/L	1		6010D	Total/NA
Sodium	1.88		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-3D

Lab Sample ID: 620-11894-16

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.45		1.00	ug/L	1		8260C	Total/NA
Tetrahydrofuran	35.9		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	13.8		1.00	ug/L	1		8260C	Total/NA
Chloride	38.3	F1	15.0	mg/L	10		EPA 300.0 R2.1	Total/NA
Arsenic	0.0148		0.00800	mg/L	1		6010D	Total/NA
Iron	3.52		0.100	mg/L	1		6010D	Total/NA
Manganese	2.30		0.0100	mg/L	1		6010D	Total/NA
Nickel	0.0360		0.0100	mg/L	1		6010D	Total/NA
Sodium	75.4		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.49		1.00	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D-FD (Continued)

Lab Sample ID: 620-11894-17

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Tetrahydrofuran	41.0		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	13.3		1.00	ug/L	1		8260C	Total/NA
Chloride	39.5	F1	15.0	mg/L	10		EPA 300.0 R2.1	Total/NA
Arsenic	0.0131		0.00800	mg/L	1		6010D	Total/NA
Iron	3.30		0.100	mg/L	1		6010D	Total/NA
Manganese	2.28		0.0100	mg/L	1		6010D	Total/NA
Nickel	0.0340		0.0100	mg/L	1		6010D	Total/NA
Sodium	73.5		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-3S

Lab Sample ID: 620-11894-18

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.74	*+	1.00	ug/L	1		8260C	Total/NA
Tetrahydrofuran	8.79		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	3.48		1.00	ug/L	1		8260C	Total/NA
Chloride	16.6		7.50	mg/L	5		EPA 300.0 R2.1	Total/NA
Iron	0.375		0.100	mg/L	1		6010D	Total/NA
Manganese	2.95		0.0100	mg/L	1		6010D	Total/NA
Sodium	23.8		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: 152 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-19

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.19		0.500	ug/L	1		524.2	Total/NA

Client Sample ID: 152 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-20

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.08		0.500	ug/L	1		524.2	Total/NA

Client Sample ID: 152 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-21

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	4.82		0.500	ug/L	1		524.2	Total/NA
Methylene Chloride	9.39		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	14.0		7.00	ug/L	1		524.2	Total/NA

Client Sample ID: 56 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-22

No Detections.

Client Sample ID: TB-053023

Lab Sample ID: 620-11894-23

No Detections.

Client Sample ID: 907 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-25

No Detections.

Client Sample ID: 907 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-26

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 907 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-27

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.83		0.500	ug/L	1		524.2	Total/NA
Ethyl ether	6.81		0.500	ug/L	1		524.2	Total/NA
Methyl tertiary butyl ether	0.810		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	22.5		7.00	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2S

Lab Sample ID: 620-11894-1

Date Collected: 05/30/23 11:32

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 00:39	1
Acetone	ND		10.0	ug/L			06/13/23 00:39	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 00:39	1
Benzene	1.14		1.00	ug/L			06/13/23 00:39	1
Bromobenzene	ND		1.00	ug/L			06/13/23 00:39	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 00:39	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 00:39	1
Bromoform	ND	*	1.00	ug/L			06/13/23 00:39	1
Bromomethane	ND		2.00	ug/L			06/13/23 00:39	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 00:39	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 00:39	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 00:39	1
Chlorobenzene	ND	*+	1.00	ug/L			06/13/23 00:39	1
Chloroethane	ND		2.00	ug/L			06/13/23 00:39	1
Chloroform	ND		1.00	ug/L			06/13/23 00:39	1
Chloromethane	ND		2.00	ug/L			06/13/23 00:39	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 00:39	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 00:39	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 00:39	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 00:39	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 00:39	1
Dibromomethane	ND		1.00	ug/L			06/13/23 00:39	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 00:39	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 00:39	1
1,4-Dichlorobenzene	1.54		1.00	ug/L			06/13/23 00:39	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 00:39	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 00:39	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 00:39	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 00:39	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 00:39	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 00:39	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 00:39	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 00:39	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 00:39	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 00:39	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 00:39	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 00:39	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 00:39	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 00:39	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 00:39	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 00:39	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 00:39	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 00:39	1
Naphthalene	ND		2.00	ug/L			06/13/23 00:39	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2S

Lab Sample ID: 620-11894-1

Date Collected: 05/30/23 11:32

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
Styrene	ND		1.00	ug/L			06/13/23 00:39	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 00:39	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 00:39	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 00:39	1
Toluene	ND		1.00	ug/L			06/13/23 00:39	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 00:39	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 00:39	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 00:39	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 00:39	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 00:39	1
Trichloroethene	ND		1.00	ug/L			06/13/23 00:39	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 00:39	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 00:39	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 00:39	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 00:39	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 00:39	1
o-Xylene	ND		1.00	ug/L			06/13/23 00:39	1
Tetrahydrofuran	ND		2.00	ug/L			06/13/23 00:39	1
Ethyl ether	ND		1.00	ug/L			06/13/23 00:39	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 00:39	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 00:39	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 00:39	1
tert-Butanol	ND		10.0	ug/L			06/13/23 00:39	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 00:39	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 00:39	1
Ethanol	ND		200	ug/L			06/13/23 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		06/13/23 00:39	1
Toluene-d8 (Surr)	95		70 - 130		06/13/23 00:39	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 130		06/13/23 00:39	1
Dibromofluoromethane (Surr)	118		70 - 130		06/13/23 00:39	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		7.50	mg/L			06/19/23 23:06	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.113		0.00400	mg/L		06/07/23 15:35	06/08/23 16:30	1
Cadmium	ND		0.00250	mg/L		06/07/23 15:35	06/08/23 16:30	1
Chromium	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 16:30	1
Copper	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 16:30	1
Iron	14.6		0.0500	mg/L		06/07/23 15:35	06/08/23 16:30	1
Lead	ND		0.00750	mg/L		06/07/23 15:35	06/08/23 16:30	1
Manganese	1.13		0.00500	mg/L		06/07/23 15:35	06/08/23 16:30	1
Nickel	0.0151		0.00500	mg/L		06/07/23 15:35	06/08/23 16:30	1
Sodium	3.58		0.750	mg/L		06/07/23 15:35	06/08/23 16:30	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2S
Date Collected: 05/30/23 11:32
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0250	mg/L		06/07/23 15:35	06/08/23 16:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:33	06/08/23 08:05	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 11:35	1



Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2D

Lab Sample ID: 620-11894-2

Date Collected: 05/30/23 14:00

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 01:05	1
Acetone	ND		10.0	ug/L			06/13/23 01:05	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 01:05	1
Benzene	ND		1.00	ug/L			06/13/23 01:05	1
Bromobenzene	ND		1.00	ug/L			06/13/23 01:05	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 01:05	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 01:05	1
Bromoform	ND	*	1.00	ug/L			06/13/23 01:05	1
Bromomethane	ND		2.00	ug/L			06/13/23 01:05	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 01:05	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 01:05	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 01:05	1
Chlorobenzene	ND	*+	1.00	ug/L			06/13/23 01:05	1
Chloroethane	ND		2.00	ug/L			06/13/23 01:05	1
Chloroform	ND		1.00	ug/L			06/13/23 01:05	1
Chloromethane	ND		2.00	ug/L			06/13/23 01:05	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 01:05	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 01:05	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 01:05	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 01:05	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 01:05	1
Dibromomethane	ND		1.00	ug/L			06/13/23 01:05	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:05	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:05	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:05	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 01:05	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 01:05	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 01:05	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 01:05	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 01:05	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 01:05	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 01:05	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 01:05	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 01:05	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 01:05	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 01:05	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 01:05	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 01:05	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 01:05	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 01:05	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 01:05	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 01:05	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 01:05	1
Naphthalene	ND		2.00	ug/L			06/13/23 01:05	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2D

Lab Sample ID: 620-11894-2

Date Collected: 05/30/23 14:00

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
Styrene	ND		1.00	ug/L			06/13/23 01:05	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 01:05	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 01:05	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 01:05	1
Toluene	ND		1.00	ug/L			06/13/23 01:05	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:05	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:05	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:05	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 01:05	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 01:05	1
Trichloroethene	ND		1.00	ug/L			06/13/23 01:05	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 01:05	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 01:05	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 01:05	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 01:05	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 01:05	1
o-Xylene	ND		1.00	ug/L			06/13/23 01:05	1
Tetrahydrofuran	ND		2.00	ug/L			06/13/23 01:05	1
Ethyl ether	1.74		1.00	ug/L			06/13/23 01:05	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 01:05	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 01:05	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 01:05	1
tert-Butanol	ND		10.0	ug/L			06/13/23 01:05	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 01:05	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 01:05	1
Ethanol	ND		200	ug/L			06/13/23 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		06/13/23 01:05	1
Toluene-d8 (Surr)	97		70 - 130		06/13/23 01:05	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		06/13/23 01:05	1
Dibromofluoromethane (Surr)	118		70 - 130		06/13/23 01:05	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		7.50	mg/L			06/19/23 19:21	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0185		0.00400	mg/L		06/07/23 15:35	06/08/23 16:36	1
Cadmium	ND		0.00250	mg/L		06/07/23 15:35	06/08/23 16:36	1
Chromium	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 16:36	1
Copper	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 16:36	1
Iron	3.14		0.0500	mg/L		06/07/23 15:35	06/08/23 16:36	1
Lead	ND		0.00750	mg/L		06/07/23 15:35	06/08/23 16:36	1
Manganese	0.220		0.00500	mg/L		06/07/23 15:35	06/08/23 16:36	1
Nickel	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 16:36	1
Sodium	6.02		0.750	mg/L		06/07/23 15:35	06/08/23 16:36	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2D
 Date Collected: 05/30/23 14:00
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-2
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0250	mg/L		06/07/23 15:35	06/08/23 16:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:33	06/08/23 08:15	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 11:42	1



Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-4

Date Collected: 05/31/23 15:31

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 17:24	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 17:24	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 17:24	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 17:24	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 17:24	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 17:24	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 17:24	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 17:24	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 17:24	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 17:24	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 17:24	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 17:24	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 17:24	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:24	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 17:24	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 17:24	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 17:24	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:24	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 17:24	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:24	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 17:24	1
2-Butanone	ND		5.00	ug/L			06/07/23 17:24	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 17:24	1
2-Hexanone	ND		5.00	ug/L			06/07/23 17:24	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 17:24	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 17:24	1
Acetone	ND		10.0	ug/L			06/07/23 17:24	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 17:24	1
Benzene	ND		0.500	ug/L			06/07/23 17:24	1
Bromobenzene	ND		0.500	ug/L			06/07/23 17:24	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 17:24	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 17:24	1
Bromoform	ND		0.500	ug/L			06/07/23 17:24	1
Bromomethane	ND		0.500	ug/L			06/07/23 17:24	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 17:24	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 17:24	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 17:24	1
Chloroethane	ND		0.500	ug/L			06/07/23 17:24	1
Chloroform	ND		0.500	ug/L			06/07/23 17:24	1
Chloromethane	ND		0.500	ug/L			06/07/23 17:24	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 17:24	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 17:24	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 17:24	1
Dibromomethane	ND		0.500	ug/L			06/07/23 17:24	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 17:24	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 17:24	1
Ethyl ether	ND		0.500	ug/L			06/07/23 17:24	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 17:24	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 17:24	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-4

Date Collected: 05/31/23 15:31

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 17:24	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 17:24	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 17:24	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 17:24	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 17:24	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 17:24	1
Naphthalene	ND		0.500	ug/L			06/07/23 17:24	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 17:24	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 17:24	1
o-Xylene	ND		0.500	ug/L			06/07/23 17:24	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 17:24	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 17:24	1
Styrene	ND		0.500	ug/L			06/07/23 17:24	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 17:24	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 17:24	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 17:24	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 17:24	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 17:24	1
Toluene	ND		0.500	ug/L			06/07/23 17:24	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 17:24	1
Trichloroethene	ND		0.500	ug/L			06/07/23 17:24	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 17:24	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 17:24	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120		06/07/23 17:24	1
4-Bromofluorobenzene (Surr)	89		80 - 120		06/07/23 17:24	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-5

Date Collected: 05/31/23 15:32

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 17:48	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 17:48	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 17:48	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 17:48	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 17:48	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 17:48	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 17:48	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 17:48	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 17:48	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 17:48	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 17:48	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 17:48	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 17:48	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:48	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 17:48	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 17:48	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 17:48	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:48	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 17:48	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:48	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 17:48	1
2-Butanone	ND		5.00	ug/L			06/07/23 17:48	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 17:48	1
2-Hexanone	ND		5.00	ug/L			06/07/23 17:48	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 17:48	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 17:48	1
Acetone	ND		10.0	ug/L			06/07/23 17:48	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 17:48	1
Benzene	ND		0.500	ug/L			06/07/23 17:48	1
Bromobenzene	ND		0.500	ug/L			06/07/23 17:48	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 17:48	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 17:48	1
Bromoform	ND		0.500	ug/L			06/07/23 17:48	1
Bromomethane	ND		0.500	ug/L			06/07/23 17:48	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 17:48	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 17:48	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 17:48	1
Chloroethane	ND		0.500	ug/L			06/07/23 17:48	1
Chloroform	ND		0.500	ug/L			06/07/23 17:48	1
Chloromethane	ND		0.500	ug/L			06/07/23 17:48	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 17:48	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 17:48	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 17:48	1
Dibromomethane	ND		0.500	ug/L			06/07/23 17:48	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 17:48	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 17:48	1
Ethyl ether	ND		0.500	ug/L			06/07/23 17:48	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 17:48	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 17:48	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-5

Date Collected: 05/31/23 15:32

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 17:48	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 17:48	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 17:48	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 17:48	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 17:48	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 17:48	1
Naphthalene	ND		0.500	ug/L			06/07/23 17:48	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 17:48	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 17:48	1
o-Xylene	ND		0.500	ug/L			06/07/23 17:48	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 17:48	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 17:48	1
Styrene	ND		0.500	ug/L			06/07/23 17:48	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 17:48	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 17:48	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 17:48	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 17:48	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 17:48	1
Toluene	0.576		0.500	ug/L			06/07/23 17:48	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 17:48	1
Trichloroethene	ND		0.500	ug/L			06/07/23 17:48	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 17:48	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 17:48	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	112		80 - 120		06/07/23 17:48	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/07/23 17:48	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Inf_FD

Lab Sample ID: 620-11894-6

Date Collected: 05/31/23 15:32

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 18:12	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 18:12	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 18:12	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 18:12	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 18:12	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 18:12	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 18:12	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 18:12	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 18:12	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 18:12	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 18:12	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 18:12	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 18:12	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:12	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 18:12	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 18:12	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 18:12	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:12	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 18:12	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:12	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 18:12	1
2-Butanone	ND		5.00	ug/L			06/07/23 18:12	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 18:12	1
2-Hexanone	ND		5.00	ug/L			06/07/23 18:12	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 18:12	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 18:12	1
Acetone	ND		10.0	ug/L			06/07/23 18:12	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 18:12	1
Benzene	ND		0.500	ug/L			06/07/23 18:12	1
Bromobenzene	ND		0.500	ug/L			06/07/23 18:12	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 18:12	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 18:12	1
Bromoform	ND		0.500	ug/L			06/07/23 18:12	1
Bromomethane	ND		0.500	ug/L			06/07/23 18:12	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 18:12	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 18:12	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 18:12	1
Chloroethane	ND		0.500	ug/L			06/07/23 18:12	1
Chloroform	ND		0.500	ug/L			06/07/23 18:12	1
Chloromethane	ND		0.500	ug/L			06/07/23 18:12	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 18:12	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 18:12	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 18:12	1
Dibromomethane	ND		0.500	ug/L			06/07/23 18:12	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 18:12	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 18:12	1
Ethyl ether	ND		0.500	ug/L			06/07/23 18:12	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 18:12	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 18:12	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Inf_FD

Lab Sample ID: 620-11894-6

Date Collected: 05/31/23 15:32

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 18:12	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 18:12	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 18:12	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 18:12	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 18:12	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 18:12	1
Naphthalene	ND		0.500	ug/L			06/07/23 18:12	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 18:12	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 18:12	1
o-Xylene	ND		0.500	ug/L			06/07/23 18:12	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 18:12	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 18:12	1
Styrene	ND		0.500	ug/L			06/07/23 18:12	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 18:12	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 18:12	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 18:12	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 18:12	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 18:12	1
Toluene	ND		0.500	ug/L			06/07/23 18:12	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 18:12	1
Trichloroethene	ND		0.500	ug/L			06/07/23 18:12	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 18:12	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 18:12	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	103		80 - 120		06/07/23 18:12	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/07/23 18:12	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 685 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-7

Date Collected: 05/31/23 16:20

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 18:35	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 18:35	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 18:35	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 18:35	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 18:35	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 18:35	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 18:35	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 18:35	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 18:35	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 18:35	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 18:35	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 18:35	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 18:35	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:35	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 18:35	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 18:35	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 18:35	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:35	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 18:35	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:35	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 18:35	1
2-Butanone	ND		5.00	ug/L			06/07/23 18:35	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 18:35	1
2-Hexanone	ND		5.00	ug/L			06/07/23 18:35	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 18:35	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 18:35	1
Acetone	ND		10.0	ug/L			06/07/23 18:35	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 18:35	1
Benzene	ND		0.500	ug/L			06/07/23 18:35	1
Bromobenzene	ND		0.500	ug/L			06/07/23 18:35	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 18:35	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 18:35	1
Bromoform	ND		0.500	ug/L			06/07/23 18:35	1
Bromomethane	ND		0.500	ug/L			06/07/23 18:35	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 18:35	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 18:35	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 18:35	1
Chloroethane	ND		0.500	ug/L			06/07/23 18:35	1
Chloroform	ND		0.500	ug/L			06/07/23 18:35	1
Chloromethane	ND		0.500	ug/L			06/07/23 18:35	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 18:35	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 18:35	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 18:35	1
Dibromomethane	ND		0.500	ug/L			06/07/23 18:35	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 18:35	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 18:35	1
Ethyl ether	ND		0.500	ug/L			06/07/23 18:35	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 18:35	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 18:35	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 685 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-7

Date Collected: 05/31/23 16:20

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 18:35	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 18:35	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 18:35	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 18:35	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 18:35	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 18:35	1
Naphthalene	ND		0.500	ug/L			06/07/23 18:35	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 18:35	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 18:35	1
o-Xylene	ND		0.500	ug/L			06/07/23 18:35	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 18:35	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 18:35	1
Styrene	ND		0.500	ug/L			06/07/23 18:35	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 18:35	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 18:35	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 18:35	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 18:35	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 18:35	1
Toluene	ND		0.500	ug/L			06/07/23 18:35	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 18:35	1
Trichloroethene	ND		0.500	ug/L			06/07/23 18:35	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 18:35	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 18:35	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120		06/07/23 18:35	1
4-Bromofluorobenzene (Surr)	86		80 - 120		06/07/23 18:35	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 685 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-8

Date Collected: 05/31/23 16:21

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 18:59	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 18:59	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 18:59	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 18:59	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 18:59	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 18:59	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 18:59	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 18:59	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 18:59	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 18:59	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 18:59	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 18:59	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 18:59	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:59	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 18:59	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 18:59	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 18:59	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:59	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 18:59	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 18:59	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 18:59	1
2-Butanone	ND		5.00	ug/L			06/07/23 18:59	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 18:59	1
2-Hexanone	ND		5.00	ug/L			06/07/23 18:59	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 18:59	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 18:59	1
Acetone	ND		10.0	ug/L			06/07/23 18:59	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 18:59	1
Benzene	ND		0.500	ug/L			06/07/23 18:59	1
Bromobenzene	ND		0.500	ug/L			06/07/23 18:59	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 18:59	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 18:59	1
Bromoform	ND		0.500	ug/L			06/07/23 18:59	1
Bromomethane	ND		0.500	ug/L			06/07/23 18:59	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 18:59	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 18:59	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 18:59	1
Chloroethane	ND		0.500	ug/L			06/07/23 18:59	1
Chloroform	ND		0.500	ug/L			06/07/23 18:59	1
Chloromethane	ND		0.500	ug/L			06/07/23 18:59	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 18:59	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 18:59	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 18:59	1
Dibromomethane	ND		0.500	ug/L			06/07/23 18:59	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 18:59	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 18:59	1
Ethyl ether	ND		0.500	ug/L			06/07/23 18:59	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 18:59	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 18:59	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 685 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-8

Date Collected: 05/31/23 16:21

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 18:59	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 18:59	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 18:59	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 18:59	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 18:59	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 18:59	1
Naphthalene	ND		0.500	ug/L			06/07/23 18:59	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 18:59	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 18:59	1
o-Xylene	ND		0.500	ug/L			06/07/23 18:59	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 18:59	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 18:59	1
Styrene	ND		0.500	ug/L			06/07/23 18:59	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 18:59	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 18:59	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 18:59	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 18:59	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 18:59	1
Toluene	ND		0.500	ug/L			06/07/23 18:59	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 18:59	1
Trichloroethene	ND		0.500	ug/L			06/07/23 18:59	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 18:59	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 18:59	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	103		80 - 120		06/07/23 18:59	1
4-Bromofluorobenzene (Surr)	85		80 - 120		06/07/23 18:59	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 685 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-9

Date Collected: 05/31/23 16:22

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 19:23	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 19:23	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 19:23	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 19:23	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 19:23	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 19:23	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 19:23	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 19:23	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 19:23	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 19:23	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 19:23	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 19:23	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 19:23	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 19:23	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 19:23	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 19:23	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 19:23	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 19:23	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 19:23	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 19:23	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 19:23	1
2-Butanone	ND		5.00	ug/L			06/07/23 19:23	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 19:23	1
2-Hexanone	ND		5.00	ug/L			06/07/23 19:23	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 19:23	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 19:23	1
Acetone	ND		10.0	ug/L			06/07/23 19:23	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 19:23	1
Benzene	ND		0.500	ug/L			06/07/23 19:23	1
Bromobenzene	ND		0.500	ug/L			06/07/23 19:23	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 19:23	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 19:23	1
Bromoform	ND		0.500	ug/L			06/07/23 19:23	1
Bromomethane	ND		0.500	ug/L			06/07/23 19:23	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 19:23	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 19:23	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 19:23	1
Chloroethane	ND		0.500	ug/L			06/07/23 19:23	1
Chloroform	ND		0.500	ug/L			06/07/23 19:23	1
Chloromethane	ND		0.500	ug/L			06/07/23 19:23	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 19:23	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 19:23	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 19:23	1
Dibromomethane	ND		0.500	ug/L			06/07/23 19:23	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 19:23	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 19:23	1
Ethyl ether	ND		0.500	ug/L			06/07/23 19:23	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 19:23	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 19:23	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 685 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-9

Date Collected: 05/31/23 16:22

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 19:23	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 19:23	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 19:23	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 19:23	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 19:23	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 19:23	1
Naphthalene	ND		0.500	ug/L			06/07/23 19:23	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 19:23	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 19:23	1
o-Xylene	ND		0.500	ug/L			06/07/23 19:23	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 19:23	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 19:23	1
Styrene	ND		0.500	ug/L			06/07/23 19:23	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 19:23	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 19:23	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 19:23	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 19:23	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 19:23	1
Toluene	ND		0.500	ug/L			06/07/23 19:23	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 19:23	1
Trichloroethene	ND		0.500	ug/L			06/07/23 19:23	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 19:23	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 19:23	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	105		80 - 120		06/07/23 19:23	1
4-Bromofluorobenzene (Surr)	85		80 - 120		06/07/23 19:23	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 455 North Rd

Lab Sample ID: 620-11894-10

Date Collected: 05/31/23 17:10

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 19:47	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 19:47	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 19:47	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 19:47	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 19:47	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 19:47	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 19:47	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 19:47	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 19:47	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 19:47	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 19:47	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 19:47	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 19:47	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 19:47	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 19:47	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 19:47	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 19:47	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 19:47	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 19:47	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 19:47	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 19:47	1
2-Butanone	ND		5.00	ug/L			06/07/23 19:47	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 19:47	1
2-Hexanone	ND		5.00	ug/L			06/07/23 19:47	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 19:47	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 19:47	1
Acetone	ND		10.0	ug/L			06/07/23 19:47	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 19:47	1
Benzene	ND		0.500	ug/L			06/07/23 19:47	1
Bromobenzene	ND		0.500	ug/L			06/07/23 19:47	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 19:47	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 19:47	1
Bromoform	ND		0.500	ug/L			06/07/23 19:47	1
Bromomethane	ND		0.500	ug/L			06/07/23 19:47	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 19:47	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 19:47	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 19:47	1
Chloroethane	ND		0.500	ug/L			06/07/23 19:47	1
Chloroform	ND		0.500	ug/L			06/07/23 19:47	1
Chloromethane	ND		0.500	ug/L			06/07/23 19:47	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 19:47	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 19:47	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 19:47	1
Dibromomethane	ND		0.500	ug/L			06/07/23 19:47	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 19:47	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 19:47	1
Ethyl ether	ND		0.500	ug/L			06/07/23 19:47	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 19:47	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 19:47	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 455 North Rd

Lab Sample ID: 620-11894-10

Date Collected: 05/31/23 17:10

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 19:47	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 19:47	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 19:47	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 19:47	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 19:47	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 19:47	1
Naphthalene	ND		0.500	ug/L			06/07/23 19:47	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 19:47	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 19:47	1
o-Xylene	ND		0.500	ug/L			06/07/23 19:47	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 19:47	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 19:47	1
Styrene	ND		0.500	ug/L			06/07/23 19:47	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 19:47	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 19:47	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 19:47	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 19:47	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 19:47	1
Toluene	ND		0.500	ug/L			06/07/23 19:47	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 19:47	1
Trichloroethene	ND		0.500	ug/L			06/07/23 19:47	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 19:47	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 19:47	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 19:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120		06/07/23 19:47	1
4-Bromofluorobenzene (Surr)	84		80 - 120		06/07/23 19:47	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: TB-53123

Lab Sample ID: 620-11894-11

Date Collected: 05/31/23 18:00

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 17:00	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 17:00	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 17:00	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 17:00	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 17:00	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 17:00	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 17:00	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 17:00	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 17:00	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 17:00	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 17:00	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 17:00	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 17:00	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:00	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 17:00	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 17:00	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 17:00	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:00	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 17:00	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 17:00	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 17:00	1
2-Butanone	ND		5.00	ug/L			06/07/23 17:00	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 17:00	1
2-Hexanone	ND		5.00	ug/L			06/07/23 17:00	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 17:00	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 17:00	1
Acetone	ND		10.0	ug/L			06/07/23 17:00	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 17:00	1
Benzene	ND		0.500	ug/L			06/07/23 17:00	1
Bromobenzene	ND		0.500	ug/L			06/07/23 17:00	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 17:00	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 17:00	1
Bromoform	ND		0.500	ug/L			06/07/23 17:00	1
Bromomethane	ND		0.500	ug/L			06/07/23 17:00	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 17:00	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 17:00	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 17:00	1
Chloroethane	ND		0.500	ug/L			06/07/23 17:00	1
Chloroform	ND		0.500	ug/L			06/07/23 17:00	1
Chloromethane	ND		0.500	ug/L			06/07/23 17:00	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 17:00	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 17:00	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 17:00	1
Dibromomethane	ND		0.500	ug/L			06/07/23 17:00	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 17:00	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 17:00	1
Ethyl ether	ND		0.500	ug/L			06/07/23 17:00	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 17:00	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 17:00	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: TB-53123

Lab Sample ID: 620-11894-11

Date Collected: 05/31/23 18:00

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 17:00	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 17:00	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 17:00	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 17:00	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 17:00	1
Methylene Chloride	0.605		0.500	ug/L			06/07/23 17:00	1
Naphthalene	ND		0.500	ug/L			06/07/23 17:00	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 17:00	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 17:00	1
o-Xylene	ND		0.500	ug/L			06/07/23 17:00	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 17:00	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 17:00	1
Styrene	ND		0.500	ug/L			06/07/23 17:00	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 17:00	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 17:00	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 17:00	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 17:00	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 17:00	1
Toluene	ND		0.500	ug/L			06/07/23 17:00	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 17:00	1
Trichloroethene	ND		0.500	ug/L			06/07/23 17:00	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 17:00	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 17:00	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120		06/07/23 17:00	1
4-Bromofluorobenzene (Surr)	85		80 - 120		06/07/23 17:00	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4D

Lab Sample ID: 620-11894-12

Date Collected: 05/30/23 14:20

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 01:32	1
Acetone	ND		10.0	ug/L			06/13/23 01:32	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 01:32	1
Benzene	ND		1.00	ug/L			06/13/23 01:32	1
Bromobenzene	ND		1.00	ug/L			06/13/23 01:32	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 01:32	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 01:32	1
Bromoform	ND	*	1.00	ug/L			06/13/23 01:32	1
Bromomethane	ND		2.00	ug/L			06/13/23 01:32	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 01:32	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 01:32	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 01:32	1
Chlorobenzene	ND	+	1.00	ug/L			06/13/23 01:32	1
Chloroethane	ND		2.00	ug/L			06/13/23 01:32	1
Chloroform	ND		1.00	ug/L			06/13/23 01:32	1
Chloromethane	ND		2.00	ug/L			06/13/23 01:32	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 01:32	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 01:32	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 01:32	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 01:32	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 01:32	1
Dibromomethane	ND		1.00	ug/L			06/13/23 01:32	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:32	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:32	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:32	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 01:32	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 01:32	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 01:32	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 01:32	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 01:32	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 01:32	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 01:32	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 01:32	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 01:32	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 01:32	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 01:32	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 01:32	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 01:32	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 01:32	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 01:32	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 01:32	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 01:32	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 01:32	1
Naphthalene	ND		2.00	ug/L			06/13/23 01:32	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4D

Lab Sample ID: 620-11894-12

Date Collected: 05/30/23 14:20

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
Styrene	ND		1.00	ug/L			06/13/23 01:32	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 01:32	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 01:32	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 01:32	1
Toluene	ND		1.00	ug/L			06/13/23 01:32	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:32	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:32	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:32	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 01:32	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 01:32	1
Trichloroethene	ND		1.00	ug/L			06/13/23 01:32	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 01:32	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 01:32	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 01:32	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 01:32	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 01:32	1
o-Xylene	ND		1.00	ug/L			06/13/23 01:32	1
Tetrahydrofuran	ND		2.00	ug/L			06/13/23 01:32	1
Ethyl ether	ND		1.00	ug/L			06/13/23 01:32	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 01:32	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 01:32	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 01:32	1
tert-Butanol	ND		10.0	ug/L			06/13/23 01:32	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 01:32	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 01:32	1
Ethanol	ND		200	ug/L			06/13/23 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		06/13/23 01:32	1
Toluene-d8 (Surr)	97		70 - 130		06/13/23 01:32	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 130		06/13/23 01:32	1
Dibromofluoromethane (Surr)	119		70 - 130		06/13/23 01:32	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		7.50	mg/L			06/20/23 18:48	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00575		0.00400	mg/L		06/07/23 15:35	06/08/23 16:42	1
Cadmium	ND		0.00250	mg/L		06/07/23 15:35	06/08/23 16:42	1
Chromium	0.0165		0.00500	mg/L		06/07/23 15:35	06/08/23 16:42	1
Copper	0.0432		0.00500	mg/L		06/07/23 15:35	06/08/23 16:42	1
Iron	13.8		0.0500	mg/L		06/07/23 15:35	06/08/23 16:42	1
Lead	0.0545		0.00750	mg/L		06/07/23 15:35	06/08/23 16:42	1
Manganese	0.542		0.00500	mg/L		06/07/23 15:35	06/08/23 16:42	1
Nickel	0.0181		0.00500	mg/L		06/07/23 15:35	06/08/23 16:42	1
Sodium	7.18		0.750	mg/L		06/07/23 15:35	06/08/23 16:42	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4D
 Date Collected: 05/30/23 14:20
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-12
 Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0521		0.0250	mg/L		06/07/23 15:35	06/08/23 16:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:33	06/08/23 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	173		75.0	mg/L			06/08/23 11:43	1



Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4S

Lab Sample ID: 620-11894-13

Date Collected: 05/30/23 16:25

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 01:58	1
Acetone	ND		10.0	ug/L			06/13/23 01:58	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 01:58	1
Benzene	3.22		1.00	ug/L			06/13/23 01:58	1
Bromobenzene	ND		1.00	ug/L			06/13/23 01:58	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 01:58	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 01:58	1
Bromoform	ND	*	1.00	ug/L			06/13/23 01:58	1
Bromomethane	ND		2.00	ug/L			06/13/23 01:58	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 01:58	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 01:58	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 01:58	1
Chlorobenzene	2.79	*+	1.00	ug/L			06/13/23 01:58	1
Chloroethane	ND		2.00	ug/L			06/13/23 01:58	1
Chloroform	ND		1.00	ug/L			06/13/23 01:58	1
Chloromethane	ND		2.00	ug/L			06/13/23 01:58	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 01:58	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 01:58	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 01:58	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 01:58	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 01:58	1
Dibromomethane	ND		1.00	ug/L			06/13/23 01:58	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:58	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 01:58	1
1,4-Dichlorobenzene	1.47		1.00	ug/L			06/13/23 01:58	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 01:58	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 01:58	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 01:58	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 01:58	1
cis-1,2-Dichloroethene	1.08		1.00	ug/L			06/13/23 01:58	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 01:58	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 01:58	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 01:58	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 01:58	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 01:58	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 01:58	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 01:58	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 01:58	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 01:58	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 01:58	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 01:58	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 01:58	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 01:58	1
Naphthalene	ND		2.00	ug/L			06/13/23 01:58	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4S

Lab Sample ID: 620-11894-13

Date Collected: 05/30/23 16:25

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
Styrene	ND		1.00	ug/L			06/13/23 01:58	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 01:58	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 01:58	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 01:58	1
Toluene	ND		1.00	ug/L			06/13/23 01:58	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:58	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:58	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 01:58	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 01:58	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 01:58	1
Trichloroethene	ND		1.00	ug/L			06/13/23 01:58	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 01:58	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 01:58	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 01:58	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 01:58	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 01:58	1
o-Xylene	ND		1.00	ug/L			06/13/23 01:58	1
Tetrahydrofuran	11.9		2.00	ug/L			06/13/23 01:58	1
Ethyl ether	11.0		1.00	ug/L			06/13/23 01:58	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 01:58	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 01:58	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 01:58	1
tert-Butanol	ND		10.0	ug/L			06/13/23 01:58	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 01:58	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 01:58	1
Ethanol	ND		200	ug/L			06/13/23 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		06/13/23 01:58	1
Toluene-d8 (Surr)	98		70 - 130		06/13/23 01:58	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		06/13/23 01:58	1
Dibromofluoromethane (Surr)	119		70 - 130		06/13/23 01:58	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		7.50	mg/L			06/21/23 09:41	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.386		0.00800	mg/L		06/07/23 17:57	06/08/23 14:14	1
Cadmium	ND		0.00500	mg/L		06/07/23 17:57	06/08/23 14:14	1
Chromium	ND		0.0100	mg/L		06/07/23 17:57	06/08/23 14:14	1
Copper	ND		0.0100	mg/L		06/07/23 17:57	06/08/23 14:14	1
Iron	33.5		0.100	mg/L		06/07/23 17:57	06/08/23 14:14	1
Lead	ND		0.0150	mg/L		06/07/23 17:57	06/08/23 14:14	1
Manganese	0.325		0.0100	mg/L		06/07/23 17:57	06/08/23 14:14	1
Nickel	0.0735		0.0100	mg/L		06/07/23 17:57	06/08/23 14:14	1
Sodium	33.5		1.50	mg/L		06/07/23 17:57	06/08/23 14:14	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4S

Lab Sample ID: 620-11894-13

Date Collected: 05/30/23 16:25

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0500	mg/L		06/07/23 17:57	06/08/23 14:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:33	06/08/23 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 11:56	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: EB-053023

Lab Sample ID: 620-11894-14

Date Collected: 05/30/23 17:45

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 02:24	1
Acetone	ND		10.0	ug/L			06/13/23 02:24	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 02:24	1
Benzene	ND		1.00	ug/L			06/13/23 02:24	1
Bromobenzene	ND		1.00	ug/L			06/13/23 02:24	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 02:24	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 02:24	1
Bromoform	ND	*-	1.00	ug/L			06/13/23 02:24	1
Bromomethane	ND		2.00	ug/L			06/13/23 02:24	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 02:24	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 02:24	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 02:24	1
Chlorobenzene	ND	*+	1.00	ug/L			06/13/23 02:24	1
Chloroethane	ND		2.00	ug/L			06/13/23 02:24	1
Chloroform	ND		1.00	ug/L			06/13/23 02:24	1
Chloromethane	ND		2.00	ug/L			06/13/23 02:24	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 02:24	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 02:24	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 02:24	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 02:24	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 02:24	1
Dibromomethane	ND		1.00	ug/L			06/13/23 02:24	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 02:24	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 02:24	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 02:24	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 02:24	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 02:24	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 02:24	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 02:24	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 02:24	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 02:24	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 02:24	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 02:24	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 02:24	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 02:24	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 02:24	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 02:24	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 02:24	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 02:24	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 02:24	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 02:24	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 02:24	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 02:24	1
Naphthalene	ND		2.00	ug/L			06/13/23 02:24	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: EB-053023

Lab Sample ID: 620-11894-14

Date Collected: 05/30/23 17:45

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
Styrene	ND		1.00	ug/L			06/13/23 02:24	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 02:24	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 02:24	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 02:24	1
Toluene	ND		1.00	ug/L			06/13/23 02:24	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 02:24	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 02:24	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 02:24	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 02:24	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 02:24	1
Trichloroethene	ND		1.00	ug/L			06/13/23 02:24	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 02:24	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 02:24	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 02:24	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 02:24	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 02:24	1
o-Xylene	ND		1.00	ug/L			06/13/23 02:24	1
Tetrahydrofuran	3.11		2.00	ug/L			06/13/23 02:24	1
Ethyl ether	ND		1.00	ug/L			06/13/23 02:24	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 02:24	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 02:24	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 02:24	1
tert-Butanol	ND		10.0	ug/L			06/13/23 02:24	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 02:24	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 02:24	1
Ethanol	ND		200	ug/L			06/13/23 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		06/13/23 02:24	1
Toluene-d8 (Surr)	98		70 - 130		06/13/23 02:24	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 130		06/13/23 02:24	1
Dibromofluoromethane (Surr)	122		70 - 130		06/13/23 02:24	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	mg/L			06/21/23 11:37	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		06/08/23 15:32	06/09/23 15:11	1
Cadmium	ND		0.00500	mg/L		06/08/23 15:32	06/09/23 15:11	1
Chromium	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:11	1
Copper	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:11	1
Iron	ND		0.100	mg/L		06/08/23 15:32	06/09/23 15:11	1
Lead	ND		0.0150	mg/L		06/08/23 15:32	06/09/23 15:11	1
Manganese	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:11	1
Nickel	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:11	1
Sodium	ND		1.50	mg/L		06/08/23 15:32	06/09/23 15:11	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: EB-053023

Lab Sample ID: 620-11894-14

Date Collected: 05/30/23 17:45

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0500	mg/L		06/08/23 15:32	06/09/23 15:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:33	06/08/23 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 11:58	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-1R

Lab Sample ID: 620-11894-15

Date Collected: 05/30/23 16:31

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 02:51	1
Acetone	ND		10.0	ug/L			06/13/23 02:51	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 02:51	1
Benzene	ND		1.00	ug/L			06/13/23 02:51	1
Bromobenzene	ND		1.00	ug/L			06/13/23 02:51	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 02:51	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 02:51	1
Bromoform	ND	*	1.00	ug/L			06/13/23 02:51	1
Bromomethane	ND		2.00	ug/L			06/13/23 02:51	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 02:51	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 02:51	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 02:51	1
Chlorobenzene	ND	+	1.00	ug/L			06/13/23 02:51	1
Chloroethane	ND		2.00	ug/L			06/13/23 02:51	1
Chloroform	ND		1.00	ug/L			06/13/23 02:51	1
Chloromethane	ND		2.00	ug/L			06/13/23 02:51	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 02:51	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 02:51	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 02:51	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 02:51	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 02:51	1
Dibromomethane	ND		1.00	ug/L			06/13/23 02:51	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 02:51	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 02:51	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 02:51	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 02:51	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 02:51	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 02:51	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 02:51	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 02:51	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 02:51	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 02:51	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 02:51	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 02:51	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 02:51	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 02:51	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 02:51	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 02:51	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 02:51	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 02:51	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 02:51	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 02:51	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 02:51	1
Naphthalene	ND		2.00	ug/L			06/13/23 02:51	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-1R

Lab Sample ID: 620-11894-15

Date Collected: 05/30/23 16:31

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
Styrene	ND		1.00	ug/L			06/13/23 02:51	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 02:51	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 02:51	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 02:51	1
Toluene	ND		1.00	ug/L			06/13/23 02:51	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 02:51	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 02:51	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 02:51	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 02:51	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 02:51	1
Trichloroethene	ND		1.00	ug/L			06/13/23 02:51	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 02:51	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 02:51	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 02:51	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 02:51	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 02:51	1
o-Xylene	ND		1.00	ug/L			06/13/23 02:51	1
Tetrahydrofuran	ND		2.00	ug/L			06/13/23 02:51	1
Ethyl ether	ND		1.00	ug/L			06/13/23 02:51	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 02:51	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 02:51	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 02:51	1
tert-Butanol	ND		10.0	ug/L			06/13/23 02:51	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 02:51	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 02:51	1
Ethanol	ND		200	ug/L			06/13/23 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		06/13/23 02:51	1
Toluene-d8 (Surr)	97		70 - 130		06/13/23 02:51	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 130		06/13/23 02:51	1
Dibromofluoromethane (Surr)	119		70 - 130		06/13/23 02:51	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		7.50	mg/L			06/21/23 10:39	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		06/08/23 15:32	06/09/23 15:17	1
Cadmium	ND		0.00500	mg/L		06/08/23 15:32	06/09/23 15:17	1
Chromium	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:17	1
Copper	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:17	1
Iron	1.40		0.100	mg/L		06/08/23 15:32	06/09/23 15:17	1
Lead	ND		0.0150	mg/L		06/08/23 15:32	06/09/23 15:17	1
Manganese	0.125		0.0100	mg/L		06/08/23 15:32	06/09/23 15:17	1
Nickel	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:17	1
Sodium	1.88		1.50	mg/L		06/08/23 15:32	06/09/23 15:17	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-1R

Lab Sample ID: 620-11894-15

Date Collected: 05/30/23 16:31

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0500	mg/L		06/08/23 15:32	06/09/23 15:17	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:34	06/08/23 08:23	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 11:59	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D

Lab Sample ID: 620-11894-16

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 21:49	1
Acetone	ND		10.0	ug/L			06/13/23 21:49	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 21:49	1
Benzene	1.45		1.00	ug/L			06/13/23 21:49	1
Bromobenzene	ND		1.00	ug/L			06/13/23 21:49	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 21:49	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 21:49	1
Bromoform	ND	*	1.00	ug/L			06/13/23 21:49	1
Bromomethane	ND		2.00	ug/L			06/13/23 21:49	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 21:49	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 21:49	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 21:49	1
Chlorobenzene	ND	*+	1.00	ug/L			06/13/23 21:49	1
Chloroethane	ND		2.00	ug/L			06/13/23 21:49	1
Chloroform	ND		1.00	ug/L			06/13/23 21:49	1
Chloromethane	ND		2.00	ug/L			06/13/23 21:49	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 21:49	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 21:49	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 21:49	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 21:49	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 21:49	1
Dibromomethane	ND		1.00	ug/L			06/13/23 21:49	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 21:49	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 21:49	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 21:49	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 21:49	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 21:49	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 21:49	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 21:49	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 21:49	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 21:49	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 21:49	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 21:49	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 21:49	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 21:49	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 21:49	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 21:49	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 21:49	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 21:49	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 21:49	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 21:49	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 21:49	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 21:49	1
Naphthalene	ND		2.00	ug/L			06/13/23 21:49	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D

Lab Sample ID: 620-11894-16

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
Styrene	ND		1.00	ug/L			06/13/23 21:49	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 21:49	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 21:49	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 21:49	1
Toluene	ND		1.00	ug/L			06/13/23 21:49	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 21:49	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 21:49	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 21:49	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 21:49	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 21:49	1
Trichloroethene	ND		1.00	ug/L			06/13/23 21:49	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 21:49	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 21:49	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 21:49	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 21:49	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 21:49	1
o-Xylene	ND		1.00	ug/L			06/13/23 21:49	1
Tetrahydrofuran	35.9		2.00	ug/L			06/13/23 21:49	1
Ethyl ether	13.8		1.00	ug/L			06/13/23 21:49	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 21:49	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 21:49	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 21:49	1
tert-Butanol	ND		10.0	ug/L			06/13/23 21:49	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 21:49	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 21:49	1
Ethanol	ND		200	ug/L			06/13/23 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		06/13/23 21:49	1
Toluene-d8 (Surr)	98		70 - 130		06/13/23 21:49	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		06/13/23 21:49	1
Dibromofluoromethane (Surr)	116		70 - 130		06/13/23 21:49	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.3	F1	15.0	mg/L			06/22/23 17:50	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0148		0.00800	mg/L		06/08/23 15:32	06/09/23 15:35	1
Cadmium	ND		0.00500	mg/L		06/08/23 15:32	06/09/23 15:35	1
Chromium	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:35	1
Copper	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:35	1
Iron	3.52		0.100	mg/L		06/08/23 15:32	06/09/23 15:35	1
Lead	ND		0.0150	mg/L		06/08/23 15:32	06/09/23 15:35	1
Manganese	2.30		0.0100	mg/L		06/08/23 15:32	06/09/23 15:35	1
Nickel	0.0360		0.0100	mg/L		06/08/23 15:32	06/09/23 15:35	1
Sodium	75.4		1.50	mg/L		06/08/23 15:32	06/09/23 15:35	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D
Date Collected: 05/31/23 13:15
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0500	mg/L		06/08/23 15:32	06/09/23 15:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:34	06/08/23 08:25	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 12:00	1



Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 22:16	1
Acetone	ND		10.0	ug/L			06/13/23 22:16	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 22:16	1
Benzene	1.49		1.00	ug/L			06/13/23 22:16	1
Bromobenzene	ND		1.00	ug/L			06/13/23 22:16	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 22:16	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 22:16	1
Bromoform	ND	*	1.00	ug/L			06/13/23 22:16	1
Bromomethane	ND		2.00	ug/L			06/13/23 22:16	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 22:16	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 22:16	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 22:16	1
Chlorobenzene	ND	+	1.00	ug/L			06/13/23 22:16	1
Chloroethane	ND		2.00	ug/L			06/13/23 22:16	1
Chloroform	ND		1.00	ug/L			06/13/23 22:16	1
Chloromethane	ND		2.00	ug/L			06/13/23 22:16	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 22:16	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 22:16	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 22:16	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 22:16	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 22:16	1
Dibromomethane	ND		1.00	ug/L			06/13/23 22:16	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 22:16	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 22:16	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 22:16	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 22:16	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 22:16	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 22:16	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 22:16	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 22:16	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 22:16	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 22:16	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 22:16	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 22:16	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 22:16	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 22:16	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 22:16	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 22:16	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 22:16	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 22:16	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 22:16	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 22:16	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 22:16	1
Naphthalene	ND		2.00	ug/L			06/13/23 22:16	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
Styrene	ND		1.00	ug/L			06/13/23 22:16	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 22:16	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 22:16	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 22:16	1
Toluene	ND		1.00	ug/L			06/13/23 22:16	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 22:16	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 22:16	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 22:16	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 22:16	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 22:16	1
Trichloroethene	ND		1.00	ug/L			06/13/23 22:16	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 22:16	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 22:16	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 22:16	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 22:16	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 22:16	1
o-Xylene	ND		1.00	ug/L			06/13/23 22:16	1
Tetrahydrofuran	41.0		2.00	ug/L			06/13/23 22:16	1
Ethyl ether	13.3		1.00	ug/L			06/13/23 22:16	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 22:16	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 22:16	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 22:16	1
tert-Butanol	ND		10.0	ug/L			06/13/23 22:16	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 22:16	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 22:16	1
Ethanol	ND		200	ug/L			06/13/23 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		06/13/23 22:16	1
Toluene-d8 (Surr)	97		70 - 130		06/13/23 22:16	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		06/13/23 22:16	1
Dibromofluoromethane (Surr)	116		70 - 130		06/13/23 22:16	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5	F1	15.0	mg/L			06/22/23 16:07	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0131		0.00800	mg/L		06/08/23 15:32	06/09/23 15:41	1
Cadmium	ND		0.00500	mg/L		06/08/23 15:32	06/09/23 15:41	1
Chromium	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:41	1
Copper	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 15:41	1
Iron	3.30		0.100	mg/L		06/08/23 15:32	06/09/23 15:41	1
Lead	ND		0.0150	mg/L		06/08/23 15:32	06/09/23 15:41	1
Manganese	2.28		0.0100	mg/L		06/08/23 15:32	06/09/23 15:41	1
Nickel	0.0340		0.0100	mg/L		06/08/23 15:32	06/09/23 15:41	1
Sodium	73.5		1.50	mg/L		06/08/23 15:32	06/09/23 15:41	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D-FD

Lab Sample ID: 620-11894-17

Date Collected: 05/31/23 13:15

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0500	mg/L		06/08/23 15:32	06/09/23 15:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:34	06/08/23 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 12:06	1



Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3S

Lab Sample ID: 620-11894-18

Date Collected: 05/31/23 11:20

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 22:42	1
Acetone	ND		10.0	ug/L			06/13/23 22:42	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 22:42	1
Benzene	ND		1.00	ug/L			06/13/23 22:42	1
Bromobenzene	ND		1.00	ug/L			06/13/23 22:42	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 22:42	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 22:42	1
Bromoform	ND	*	1.00	ug/L			06/13/23 22:42	1
Bromomethane	ND		2.00	ug/L			06/13/23 22:42	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 22:42	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 22:42	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 22:42	1
Chlorobenzene	1.74	+	1.00	ug/L			06/13/23 22:42	1
Chloroethane	ND		2.00	ug/L			06/13/23 22:42	1
Chloroform	ND		1.00	ug/L			06/13/23 22:42	1
Chloromethane	ND		2.00	ug/L			06/13/23 22:42	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 22:42	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 22:42	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 22:42	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 22:42	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 22:42	1
Dibromomethane	ND		1.00	ug/L			06/13/23 22:42	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 22:42	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 22:42	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 22:42	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 22:42	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 22:42	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 22:42	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 22:42	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 22:42	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 22:42	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 22:42	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 22:42	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 22:42	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 22:42	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 22:42	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 22:42	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 22:42	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 22:42	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 22:42	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 22:42	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 22:42	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 22:42	1
Naphthalene	ND		2.00	ug/L			06/13/23 22:42	1

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Client Sample Results

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3S

Lab Sample ID: 620-11894-18

Date Collected: 05/31/23 11:20

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
Styrene	ND		1.00	ug/L			06/13/23 22:42	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 22:42	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 22:42	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 22:42	1
Toluene	ND		1.00	ug/L			06/13/23 22:42	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 22:42	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 22:42	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 22:42	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 22:42	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 22:42	1
Trichloroethene	ND		1.00	ug/L			06/13/23 22:42	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 22:42	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 22:42	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 22:42	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 22:42	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 22:42	1
o-Xylene	ND		1.00	ug/L			06/13/23 22:42	1
Tetrahydrofuran	8.79		2.00	ug/L			06/13/23 22:42	1
Ethyl ether	3.48		1.00	ug/L			06/13/23 22:42	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 22:42	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 22:42	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 22:42	1
tert-Butanol	ND		10.0	ug/L			06/13/23 22:42	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 22:42	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 22:42	1
Ethanol	ND		200	ug/L			06/13/23 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		06/13/23 22:42	1
Toluene-d8 (Surr)	95		70 - 130		06/13/23 22:42	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		06/13/23 22:42	1
Dibromofluoromethane (Surr)	117		70 - 130		06/13/23 22:42	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.6		7.50	mg/L			06/21/23 11:13	5

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		06/08/23 16:08	06/09/23 16:57	1
Cadmium	ND		0.00500	mg/L		06/08/23 16:08	06/09/23 16:57	1
Chromium	ND		0.0100	mg/L		06/08/23 16:08	06/09/23 16:57	1
Copper	ND		0.0100	mg/L		06/08/23 16:08	06/09/23 16:57	1
Iron	0.375		0.100	mg/L		06/08/23 16:08	06/09/23 16:57	1
Lead	ND		0.0150	mg/L		06/08/23 16:08	06/09/23 16:57	1
Manganese	2.95		0.0100	mg/L		06/08/23 16:08	06/09/23 16:57	1
Nickel	ND		0.0100	mg/L		06/08/23 16:08	06/09/23 16:57	1
Sodium	23.8		1.50	mg/L		06/08/23 16:08	06/09/23 16:57	1

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3S
Date Collected: 05/31/23 11:20
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0500	mg/L		06/08/23 16:08	06/09/23 16:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:34	06/08/23 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			06/08/23 12:07	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 152 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-19

Date Collected: 05/31/23 14:47

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 20:11	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 20:11	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 20:11	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 20:11	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 20:11	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 20:11	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 20:11	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 20:11	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 20:11	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 20:11	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 20:11	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 20:11	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 20:11	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:11	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 20:11	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 20:11	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 20:11	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:11	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 20:11	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:11	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 20:11	1
2-Butanone	ND		5.00	ug/L			06/07/23 20:11	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 20:11	1
2-Hexanone	ND		5.00	ug/L			06/07/23 20:11	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 20:11	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 20:11	1
Acetone	ND		10.0	ug/L			06/07/23 20:11	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 20:11	1
Benzene	ND		0.500	ug/L			06/07/23 20:11	1
Bromobenzene	ND		0.500	ug/L			06/07/23 20:11	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 20:11	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 20:11	1
Bromoform	ND		0.500	ug/L			06/07/23 20:11	1
Bromomethane	ND		0.500	ug/L			06/07/23 20:11	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 20:11	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 20:11	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 20:11	1
Chloroethane	ND		0.500	ug/L			06/07/23 20:11	1
Chloroform	ND		0.500	ug/L			06/07/23 20:11	1
Chloromethane	ND		0.500	ug/L			06/07/23 20:11	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 20:11	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 20:11	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 20:11	1
Dibromomethane	ND		0.500	ug/L			06/07/23 20:11	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 20:11	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 20:11	1
Ethyl ether	ND		0.500	ug/L			06/07/23 20:11	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 20:11	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 20:11	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 152 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-19

Date Collected: 05/31/23 14:47

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 20:11	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 20:11	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 20:11	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 20:11	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 20:11	1
Methylene Chloride	5.19		0.500	ug/L			06/07/23 20:11	1
Naphthalene	ND		0.500	ug/L			06/07/23 20:11	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 20:11	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 20:11	1
o-Xylene	ND		0.500	ug/L			06/07/23 20:11	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 20:11	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 20:11	1
Styrene	ND		0.500	ug/L			06/07/23 20:11	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 20:11	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 20:11	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 20:11	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 20:11	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 20:11	1
Toluene	ND		0.500	ug/L			06/07/23 20:11	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 20:11	1
Trichloroethene	ND		0.500	ug/L			06/07/23 20:11	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 20:11	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 20:11	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120		06/07/23 20:11	1
4-Bromofluorobenzene (Surr)	88		80 - 120		06/07/23 20:11	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 152 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-20

Date Collected: 05/31/23 14:48

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 20:35	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 20:35	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 20:35	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 20:35	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 20:35	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 20:35	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 20:35	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 20:35	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 20:35	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 20:35	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 20:35	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 20:35	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 20:35	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:35	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 20:35	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 20:35	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 20:35	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:35	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 20:35	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:35	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 20:35	1
2-Butanone	ND		5.00	ug/L			06/07/23 20:35	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 20:35	1
2-Hexanone	ND		5.00	ug/L			06/07/23 20:35	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 20:35	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 20:35	1
Acetone	ND		10.0	ug/L			06/07/23 20:35	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 20:35	1
Benzene	ND		0.500	ug/L			06/07/23 20:35	1
Bromobenzene	ND		0.500	ug/L			06/07/23 20:35	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 20:35	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 20:35	1
Bromoform	ND		0.500	ug/L			06/07/23 20:35	1
Bromomethane	ND		0.500	ug/L			06/07/23 20:35	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 20:35	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 20:35	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 20:35	1
Chloroethane	ND		0.500	ug/L			06/07/23 20:35	1
Chloroform	ND		0.500	ug/L			06/07/23 20:35	1
Chloromethane	ND		0.500	ug/L			06/07/23 20:35	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 20:35	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 20:35	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 20:35	1
Dibromomethane	ND		0.500	ug/L			06/07/23 20:35	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 20:35	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 20:35	1
Ethyl ether	ND		0.500	ug/L			06/07/23 20:35	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 20:35	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 20:35	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 152 Forest Edge Rd-Mid

Lab Sample ID: 620-11894-20

Date Collected: 05/31/23 14:48

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 20:35	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 20:35	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 20:35	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 20:35	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 20:35	1
Methylene Chloride	4.08		0.500	ug/L			06/07/23 20:35	1
Naphthalene	ND		0.500	ug/L			06/07/23 20:35	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 20:35	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 20:35	1
o-Xylene	ND		0.500	ug/L			06/07/23 20:35	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 20:35	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 20:35	1
Styrene	ND		0.500	ug/L			06/07/23 20:35	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 20:35	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 20:35	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 20:35	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 20:35	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 20:35	1
Toluene	ND		0.500	ug/L			06/07/23 20:35	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 20:35	1
Trichloroethene	ND		0.500	ug/L			06/07/23 20:35	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 20:35	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 20:35	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120		06/07/23 20:35	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/07/23 20:35	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 152 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-21

Date Collected: 05/31/23 14:49

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 20:59	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 20:59	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 20:59	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 20:59	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 20:59	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 20:59	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 20:59	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 20:59	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 20:59	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 20:59	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 20:59	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 20:59	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 20:59	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:59	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 20:59	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 20:59	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 20:59	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:59	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 20:59	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 20:59	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 20:59	1
2-Butanone	ND		5.00	ug/L			06/07/23 20:59	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 20:59	1
2-Hexanone	ND		5.00	ug/L			06/07/23 20:59	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 20:59	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 20:59	1
Acetone	ND		10.0	ug/L			06/07/23 20:59	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 20:59	1
Benzene	ND		0.500	ug/L			06/07/23 20:59	1
Bromobenzene	ND		0.500	ug/L			06/07/23 20:59	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 20:59	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 20:59	1
Bromoform	ND		0.500	ug/L			06/07/23 20:59	1
Bromomethane	ND		0.500	ug/L			06/07/23 20:59	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 20:59	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 20:59	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 20:59	1
Chloroethane	ND		0.500	ug/L			06/07/23 20:59	1
Chloroform	ND		0.500	ug/L			06/07/23 20:59	1
Chloromethane	ND		0.500	ug/L			06/07/23 20:59	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 20:59	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 20:59	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 20:59	1
Dibromomethane	ND		0.500	ug/L			06/07/23 20:59	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 20:59	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 20:59	1
Ethyl ether	4.82		0.500	ug/L			06/07/23 20:59	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 20:59	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 20:59	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 152 Forest Edge Rd-Inf

Lab Sample ID: 620-11894-21

Date Collected: 05/31/23 14:49

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 20:59	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 20:59	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 20:59	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 20:59	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 20:59	1
Methylene Chloride	9.39		0.500	ug/L			06/07/23 20:59	1
Naphthalene	ND		0.500	ug/L			06/07/23 20:59	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 20:59	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 20:59	1
o-Xylene	ND		0.500	ug/L			06/07/23 20:59	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 20:59	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 20:59	1
Styrene	ND		0.500	ug/L			06/07/23 20:59	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 20:59	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 20:59	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 20:59	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 20:59	1
Tetrahydrofuran	14.0		7.00	ug/L			06/07/23 20:59	1
Toluene	ND		0.500	ug/L			06/07/23 20:59	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 20:59	1
Trichloroethene	ND		0.500	ug/L			06/07/23 20:59	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 20:59	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 20:59	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120		06/07/23 20:59	1
4-Bromofluorobenzene (Surr)	87		80 - 120		06/07/23 20:59	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-22

Date Collected: 05/31/23 15:30

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 21:23	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 21:23	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 21:23	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 21:23	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 21:23	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 21:23	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 21:23	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 21:23	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 21:23	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 21:23	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 21:23	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 21:23	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 21:23	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 21:23	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 21:23	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 21:23	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 21:23	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 21:23	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 21:23	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 21:23	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 21:23	1
2-Butanone	ND		5.00	ug/L			06/07/23 21:23	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 21:23	1
2-Hexanone	ND		5.00	ug/L			06/07/23 21:23	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 21:23	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 21:23	1
Acetone	ND		10.0	ug/L			06/07/23 21:23	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 21:23	1
Benzene	ND		0.500	ug/L			06/07/23 21:23	1
Bromobenzene	ND		0.500	ug/L			06/07/23 21:23	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 21:23	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 21:23	1
Bromoform	ND		0.500	ug/L			06/07/23 21:23	1
Bromomethane	ND		0.500	ug/L			06/07/23 21:23	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 21:23	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 21:23	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 21:23	1
Chloroethane	ND		0.500	ug/L			06/07/23 21:23	1
Chloroform	ND		0.500	ug/L			06/07/23 21:23	1
Chloromethane	ND		0.500	ug/L			06/07/23 21:23	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 21:23	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 21:23	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 21:23	1
Dibromomethane	ND		0.500	ug/L			06/07/23 21:23	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 21:23	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 21:23	1
Ethyl ether	ND		0.500	ug/L			06/07/23 21:23	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 21:23	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 21:23	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 56 Forest Edge Rd-Eff

Lab Sample ID: 620-11894-22

Date Collected: 05/31/23 15:30

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 21:23	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 21:23	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 21:23	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 21:23	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 21:23	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 21:23	1
Naphthalene	ND		0.500	ug/L			06/07/23 21:23	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 21:23	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 21:23	1
o-Xylene	ND		0.500	ug/L			06/07/23 21:23	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 21:23	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 21:23	1
Styrene	ND		0.500	ug/L			06/07/23 21:23	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 21:23	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 21:23	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 21:23	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 21:23	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 21:23	1
Toluene	ND		0.500	ug/L			06/07/23 21:23	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 21:23	1
Trichloroethene	ND		0.500	ug/L			06/07/23 21:23	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 21:23	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 21:23	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120		06/07/23 21:23	1
4-Bromofluorobenzene (Surr)	87		80 - 120		06/07/23 21:23	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: TB-053023

Lab Sample ID: 620-11894-23

Date Collected: 05/30/23 18:00

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/12/23 20:43	1
Acetone	ND		10.0	ug/L			06/12/23 20:43	1
Acrylonitrile	ND		0.500	ug/L			06/12/23 20:43	1
Benzene	ND		1.00	ug/L			06/12/23 20:43	1
Bromobenzene	ND		1.00	ug/L			06/12/23 20:43	1
Bromochloromethane	ND		1.00	ug/L			06/12/23 20:43	1
Bromodichloromethane	ND		0.500	ug/L			06/12/23 20:43	1
Bromoform	ND	*-	1.00	ug/L			06/12/23 20:43	1
Bromomethane	ND		2.00	ug/L			06/12/23 20:43	1
2-Butanone (MEK)	ND		2.00	ug/L			06/12/23 20:43	1
n-Butylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
sec-Butylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
tert-Butylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
Carbon disulfide	ND		2.00	ug/L			06/12/23 20:43	1
Carbon tetrachloride	ND		1.00	ug/L			06/12/23 20:43	1
Chlorobenzene	ND	*+	1.00	ug/L			06/12/23 20:43	1
Chloroethane	ND		2.00	ug/L			06/12/23 20:43	1
Chloroform	ND		1.00	ug/L			06/12/23 20:43	1
Chloromethane	ND		2.00	ug/L			06/12/23 20:43	1
2-Chlorotoluene	ND		1.00	ug/L			06/12/23 20:43	1
4-Chlorotoluene	ND		1.00	ug/L			06/12/23 20:43	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/12/23 20:43	1
Dibromochloromethane	ND		0.500	ug/L			06/12/23 20:43	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/12/23 20:43	1
Dibromomethane	ND		1.00	ug/L			06/12/23 20:43	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/12/23 20:43	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/12/23 20:43	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/12/23 20:43	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/12/23 20:43	1
1,1-Dichloroethane	ND		1.00	ug/L			06/12/23 20:43	1
1,2-Dichloroethane	ND		1.00	ug/L			06/12/23 20:43	1
1,1-Dichloroethene	ND		1.00	ug/L			06/12/23 20:43	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/12/23 20:43	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/12/23 20:43	1
1,2-Dichloropropane	ND		1.00	ug/L			06/12/23 20:43	1
1,3-Dichloropropane	ND		1.00	ug/L			06/12/23 20:43	1
2,2-Dichloropropane	ND		1.00	ug/L			06/12/23 20:43	1
1,1-Dichloropropene	ND		1.00	ug/L			06/12/23 20:43	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/12/23 20:43	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/12/23 20:43	1
Ethylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
Hexachlorobutadiene	ND		1.00	ug/L			06/12/23 20:43	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/12/23 20:43	1
Isopropylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
4-Isopropyltoluene	ND		1.00	ug/L			06/12/23 20:43	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/12/23 20:43	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/12/23 20:43	1
Methylene Chloride	ND		2.00	ug/L			06/12/23 20:43	1
Naphthalene	ND		2.00	ug/L			06/12/23 20:43	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: TB-053023

Lab Sample ID: 620-11894-23

Date Collected: 05/30/23 18:00

Matrix: Water

Date Received: 06/02/23 09:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
Styrene	ND		1.00	ug/L			06/12/23 20:43	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/12/23 20:43	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/12/23 20:43	1
Tetrachloroethene	ND		1.00	ug/L			06/12/23 20:43	1
Toluene	ND		1.00	ug/L			06/12/23 20:43	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/12/23 20:43	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/12/23 20:43	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/12/23 20:43	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/12/23 20:43	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/12/23 20:43	1
Trichloroethene	ND		1.00	ug/L			06/12/23 20:43	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/12/23 20:43	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/12/23 20:43	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/12/23 20:43	1
Vinyl chloride	ND		1.00	ug/L			06/12/23 20:43	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/12/23 20:43	1
o-Xylene	ND		1.00	ug/L			06/12/23 20:43	1
Tetrahydrofuran	ND		2.00	ug/L			06/12/23 20:43	1
Ethyl ether	ND		1.00	ug/L			06/12/23 20:43	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/12/23 20:43	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/12/23 20:43	1
di-Isopropyl ether	ND		1.00	ug/L			06/12/23 20:43	1
tert-Butanol	ND		10.0	ug/L			06/12/23 20:43	1
1,4-Dioxane	ND		50.0	ug/L			06/12/23 20:43	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/12/23 20:43	1
Ethanol	ND		200	ug/L			06/12/23 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		06/12/23 20:43	1
Toluene-d8 (Surr)	97		70 - 130		06/12/23 20:43	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		06/12/23 20:43	1
Dibromofluoromethane (Surr)	117		70 - 130		06/12/23 20:43	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 907 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-25

Date Collected: 06/01/23 09:42

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 21:46	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 21:46	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 21:46	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 21:46	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 21:46	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 21:46	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 21:46	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 21:46	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 21:46	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 21:46	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 21:46	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 21:46	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 21:46	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 21:46	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 21:46	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 21:46	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 21:46	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 21:46	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 21:46	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 21:46	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 21:46	1
2-Butanone	ND		5.00	ug/L			06/07/23 21:46	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 21:46	1
2-Hexanone	ND		5.00	ug/L			06/07/23 21:46	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 21:46	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 21:46	1
Acetone	ND		10.0	ug/L			06/07/23 21:46	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 21:46	1
Benzene	ND		0.500	ug/L			06/07/23 21:46	1
Bromobenzene	ND		0.500	ug/L			06/07/23 21:46	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 21:46	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 21:46	1
Bromoform	ND		0.500	ug/L			06/07/23 21:46	1
Bromomethane	ND		0.500	ug/L			06/07/23 21:46	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 21:46	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 21:46	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 21:46	1
Chloroethane	ND		0.500	ug/L			06/07/23 21:46	1
Chloroform	ND		0.500	ug/L			06/07/23 21:46	1
Chloromethane	ND		0.500	ug/L			06/07/23 21:46	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 21:46	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 21:46	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 21:46	1
Dibromomethane	ND		0.500	ug/L			06/07/23 21:46	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 21:46	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 21:46	1
Ethyl ether	ND		0.500	ug/L			06/07/23 21:46	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 21:46	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 21:46	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 907 Beecher Hill Rd-Eff

Lab Sample ID: 620-11894-25

Date Collected: 06/01/23 09:42

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 21:46	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 21:46	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 21:46	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 21:46	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 21:46	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 21:46	1
Naphthalene	ND		0.500	ug/L			06/07/23 21:46	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 21:46	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 21:46	1
o-Xylene	ND		0.500	ug/L			06/07/23 21:46	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 21:46	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 21:46	1
Styrene	ND		0.500	ug/L			06/07/23 21:46	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 21:46	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 21:46	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 21:46	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 21:46	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 21:46	1
Toluene	ND		0.500	ug/L			06/07/23 21:46	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 21:46	1
Trichloroethene	ND		0.500	ug/L			06/07/23 21:46	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 21:46	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 21:46	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120		06/07/23 21:46	1
4-Bromofluorobenzene (Surr)	85		80 - 120		06/07/23 21:46	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 907 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-26

Date Collected: 06/01/23 09:43

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 22:10	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 22:10	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 22:10	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 22:10	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 22:10	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 22:10	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 22:10	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 22:10	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 22:10	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 22:10	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 22:10	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 22:10	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 22:10	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 22:10	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 22:10	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 22:10	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 22:10	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 22:10	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 22:10	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 22:10	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 22:10	1
2-Butanone	ND		5.00	ug/L			06/07/23 22:10	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 22:10	1
2-Hexanone	ND		5.00	ug/L			06/07/23 22:10	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 22:10	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 22:10	1
Acetone	ND		10.0	ug/L			06/07/23 22:10	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 22:10	1
Benzene	ND		0.500	ug/L			06/07/23 22:10	1
Bromobenzene	ND		0.500	ug/L			06/07/23 22:10	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 22:10	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 22:10	1
Bromoform	ND		0.500	ug/L			06/07/23 22:10	1
Bromomethane	ND		0.500	ug/L			06/07/23 22:10	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 22:10	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 22:10	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 22:10	1
Chloroethane	ND		0.500	ug/L			06/07/23 22:10	1
Chloroform	ND		0.500	ug/L			06/07/23 22:10	1
Chloromethane	ND		0.500	ug/L			06/07/23 22:10	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 22:10	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 22:10	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 22:10	1
Dibromomethane	ND		0.500	ug/L			06/07/23 22:10	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 22:10	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 22:10	1
Ethyl ether	ND		0.500	ug/L			06/07/23 22:10	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 22:10	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 22:10	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 907 Beecher Hill Rd-Mid

Lab Sample ID: 620-11894-26

Date Collected: 06/01/23 09:43

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 22:10	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 22:10	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 22:10	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 22:10	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 22:10	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 22:10	1
Naphthalene	ND		0.500	ug/L			06/07/23 22:10	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 22:10	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 22:10	1
o-Xylene	ND		0.500	ug/L			06/07/23 22:10	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 22:10	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 22:10	1
Styrene	ND		0.500	ug/L			06/07/23 22:10	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 22:10	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 22:10	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 22:10	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 22:10	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 22:10	1
Toluene	ND		0.500	ug/L			06/07/23 22:10	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 22:10	1
Trichloroethene	ND		0.500	ug/L			06/07/23 22:10	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 22:10	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 22:10	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	105		80 - 120		06/07/23 22:10	1
4-Bromofluorobenzene (Surr)	86		80 - 120		06/07/23 22:10	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 907 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-27

Date Collected: 06/01/23 09:54

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 22:34	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 22:34	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 22:34	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 22:34	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 22:34	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 22:34	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 22:34	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 22:34	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 22:34	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 22:34	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 22:34	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 22:34	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 22:34	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 22:34	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 22:34	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 22:34	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 22:34	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 22:34	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 22:34	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 22:34	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 22:34	1
2-Butanone	ND		5.00	ug/L			06/07/23 22:34	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 22:34	1
2-Hexanone	ND		5.00	ug/L			06/07/23 22:34	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 22:34	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 22:34	1
Acetone	ND		10.0	ug/L			06/07/23 22:34	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 22:34	1
Benzene	ND		0.500	ug/L			06/07/23 22:34	1
Bromobenzene	ND		0.500	ug/L			06/07/23 22:34	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 22:34	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 22:34	1
Bromoform	ND		0.500	ug/L			06/07/23 22:34	1
Bromomethane	ND		0.500	ug/L			06/07/23 22:34	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 22:34	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 22:34	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 22:34	1
Chloroethane	ND		0.500	ug/L			06/07/23 22:34	1
Chloroform	ND		0.500	ug/L			06/07/23 22:34	1
Chloromethane	ND		0.500	ug/L			06/07/23 22:34	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 22:34	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 22:34	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 22:34	1
Dibromomethane	ND		0.500	ug/L			06/07/23 22:34	1
Dichlorodifluoromethane	2.83		0.500	ug/L			06/07/23 22:34	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 22:34	1
Ethyl ether	6.81		0.500	ug/L			06/07/23 22:34	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 22:34	1
Ethylbenzene	ND		0.500	ug/L			06/07/23 22:34	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 907 Beecher Hill Rd-Inf

Lab Sample ID: 620-11894-27

Date Collected: 06/01/23 09:54

Matrix: Drinking Water

Date Received: 06/02/23 09:15

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/07/23 22:34	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 22:34	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 22:34	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 22:34	1
Methyl tertiary butyl ether	0.810		0.500	ug/L			06/07/23 22:34	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 22:34	1
Naphthalene	ND		0.500	ug/L			06/07/23 22:34	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 22:34	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 22:34	1
o-Xylene	ND		0.500	ug/L			06/07/23 22:34	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 22:34	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 22:34	1
Styrene	ND		0.500	ug/L			06/07/23 22:34	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 22:34	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 22:34	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 22:34	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 22:34	1
Tetrahydrofuran	22.5		7.00	ug/L			06/07/23 22:34	1
Toluene	ND		0.500	ug/L			06/07/23 22:34	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 22:34	1
Trichloroethene	ND		0.500	ug/L			06/07/23 22:34	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 22:34	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 22:34	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120		06/07/23 22:34	1
4-Bromofluorobenzene (Surr)	85		80 - 120		06/07/23 22:34	1

Surrogate Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCZ (80-120)	BFB (80-120)
620-11894-4	56 Forest Edge Rd-Mid	106	89
620-11894-5	56 Forest Edge Rd-Inf	112	98
620-11894-6	56 Forest Edge Rd-Inf_FD	103	90
620-11894-7	685 Beecher Hill Rd-Eff	104	86
620-11894-8	685 Beecher Hill Rd-Mid	103	85
620-11894-9	685 Beecher Hill Rd-Inf	105	85
620-11894-10	455 North Rd	106	84
620-11894-11	TB-53123	102	85
620-11894-19	152 Forest Edge Rd-Eff	106	88
620-11894-20	152 Forest Edge Rd-Mid	104	90
620-11894-21	152 Forest Edge Rd-Inf	104	87
620-11894-22	56 Forest Edge Rd-Eff	106	87
620-11894-25	907 Beecher Hill Rd-Eff	104	85
620-11894-26	907 Beecher Hill Rd-Mid	105	86
620-11894-27	907 Beecher Hill Rd-Inf	104	85
LCS 410-383938/4	Lab Control Sample	108	100
MB 410-383938/6	Method Blank	102	86

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-130)	TOL (70-130)	DCA (70-130)	DBFM (70-130)
620-11894-1	MW-2S	95	95	109	118
620-11894-2	MW-2D	96	97	108	118
620-11894-12	MW-4D	97	97	110	119
620-11894-13	MW-4S	97	98	108	119
620-11894-14	EB-053023	98	98	109	122
620-11894-15	MW-1R	98	97	110	119
620-11894-16	MW-3D	97	98	107	116
620-11894-17	MW-3D-FD	97	97	107	116
620-11894-18	MW-3S	94	95	105	117
620-11894-23	TB-053023	97	97	108	117
LCS 620-23535/4	Lab Control Sample	99	98	104	109
LCS 620-23577/4	Lab Control Sample	98	96	102	106
LCSD 620-23535/5	Lab Control Sample Dup	98	98	104	108
LCSD 620-23577/5	Lab Control Sample Dup	97	97	103	108
MB 620-23535/7	Method Blank	98	96	108	119
MB 620-23577/7	Method Blank	98	96	107	118

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-383938/6
Matrix: Drinking Water
Analysis Batch: 383938

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 15:01	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/07/23 15:01	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/07/23 15:01	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/07/23 15:01	1
1,1-Dichloroethane	ND		0.500	ug/L			06/07/23 15:01	1
1,1-Dichloroethene	ND		0.500	ug/L			06/07/23 15:01	1
1,1-Dichloropropene	ND		0.500	ug/L			06/07/23 15:01	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/07/23 15:01	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/07/23 15:01	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/07/23 15:01	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/07/23 15:01	1
1,2-Dibromoethane	ND		0.500	ug/L			06/07/23 15:01	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/07/23 15:01	1
1,2-Dichloroethane	ND		0.500	ug/L			06/07/23 15:01	1
1,2-Dichloropropane	ND		0.500	ug/L			06/07/23 15:01	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/07/23 15:01	1
1,3-Dichloropropane	ND		0.500	ug/L			06/07/23 15:01	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/07/23 15:01	1
2,2-Dichloropropane	ND		0.500	ug/L			06/07/23 15:01	1
2-Butanone	ND		5.00	ug/L			06/07/23 15:01	1
2-Chlorotoluene	ND		0.500	ug/L			06/07/23 15:01	1
2-Hexanone	ND		5.00	ug/L			06/07/23 15:01	1
4-Chlorotoluene	ND		0.500	ug/L			06/07/23 15:01	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/07/23 15:01	1
Acetone	ND		10.0	ug/L			06/07/23 15:01	1
Acrylonitrile	ND		10.0	ug/L			06/07/23 15:01	1
Benzene	ND		0.500	ug/L			06/07/23 15:01	1
Bromobenzene	ND		0.500	ug/L			06/07/23 15:01	1
Bromochloromethane	ND		0.500	ug/L			06/07/23 15:01	1
Bromodichloromethane	ND		0.500	ug/L			06/07/23 15:01	1
Bromoform	ND		0.500	ug/L			06/07/23 15:01	1
Bromomethane	ND		0.500	ug/L			06/07/23 15:01	1
Carbon disulfide	ND		2.00	ug/L			06/07/23 15:01	1
Carbon tetrachloride	ND		0.500	ug/L			06/07/23 15:01	1
Chlorobenzene	ND		0.500	ug/L			06/07/23 15:01	1
Chloroethane	ND		0.500	ug/L			06/07/23 15:01	1
Chloroform	ND		0.500	ug/L			06/07/23 15:01	1
Chloromethane	ND		0.500	ug/L			06/07/23 15:01	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 15:01	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 15:01	1
Dibromochloromethane	ND		0.500	ug/L			06/07/23 15:01	1
Dibromomethane	ND		0.500	ug/L			06/07/23 15:01	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/07/23 15:01	1
di-Isopropyl ether	ND		0.500	ug/L			06/07/23 15:01	1
Ethyl ether	ND		0.500	ug/L			06/07/23 15:01	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/07/23 15:01	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-383938/6
Matrix: Drinking Water
Analysis Batch: 383938

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
Freon 113	ND		0.500	ug/L			06/07/23 15:01	1
Hexachlorobutadiene	ND		0.500	ug/L			06/07/23 15:01	1
Isopropylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
m&p-Xylene	ND		1.00	ug/L			06/07/23 15:01	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/07/23 15:01	1
Methylene Chloride	ND		0.500	ug/L			06/07/23 15:01	1
Naphthalene	ND		0.500	ug/L			06/07/23 15:01	1
n-Butylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
N-Propylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
o-Xylene	ND		0.500	ug/L			06/07/23 15:01	1
p-Isopropyltoluene	ND		0.500	ug/L			06/07/23 15:01	1
sec-Butylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
Styrene	ND		0.500	ug/L			06/07/23 15:01	1
t-Amyl methyl ether	ND		0.500	ug/L			06/07/23 15:01	1
t-Butyl alcohol	ND		25.0	ug/L			06/07/23 15:01	1
tert-Butylbenzene	ND		0.500	ug/L			06/07/23 15:01	1
Tetrachloroethene	ND		0.500	ug/L			06/07/23 15:01	1
Tetrahydrofuran	ND		7.00	ug/L			06/07/23 15:01	1
Toluene	ND		0.500	ug/L			06/07/23 15:01	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/07/23 15:01	1
Trichloroethene	ND		0.500	ug/L			06/07/23 15:01	1
Trichlorofluoromethane	ND		0.500	ug/L			06/07/23 15:01	1
Vinyl chloride	ND		0.500	ug/L			06/07/23 15:01	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/07/23 15:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120		06/07/23 15:01	1
4-Bromofluorobenzene (Surr)	86		80 - 120		06/07/23 15:01	1

Lab Sample ID: LCS 410-383938/4
Matrix: Drinking Water
Analysis Batch: 383938

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	5.412		ug/L		108	70 - 130
1,1,1-Trichloroethane	5.00	5.237		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.040		ug/L		101	70 - 130
1,1,2-Trichloroethane	5.00	5.026		ug/L		101	70 - 130
1,1-Dichloroethane	5.00	4.446		ug/L		89	70 - 130
1,1-Dichloroethene	5.00	4.741		ug/L		95	70 - 130
1,1-Dichloropropene	5.00	4.940		ug/L		99	70 - 130
1,2,3-Trichlorobenzene	5.00	4.387		ug/L		88	70 - 130
1,2,3-Trichloropropane	5.00	5.046		ug/L		101	70 - 130
1,2,4-Trichlorobenzene	5.00	4.412		ug/L		88	70 - 130
1,2,4-Trimethylbenzene	5.00	4.807		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.857		ug/L		97	70 - 130
1,2-Dibromoethane	5.00	5.051		ug/L		101	70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-383938/4
Matrix: Drinking Water
Analysis Batch: 383938

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	5.00	4.848		ug/L		97	70 - 130
1,2-Dichloroethane	5.00	5.024		ug/L		100	70 - 130
1,2-Dichloropropane	5.00	4.885		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	5.00	4.730		ug/L		95	70 - 130
1,3-Dichlorobenzene	5.00	4.853		ug/L		97	70 - 130
1,3-Dichloropropane	5.00	4.866		ug/L		97	70 - 130
1,4-Dichlorobenzene	5.00	5.190		ug/L		104	70 - 130
2,2-Dichloropropane	5.00	4.913		ug/L		98	70 - 130
2-Butanone	62.5	58.28		ug/L		93	70 - 130
2-Chlorotoluene	5.00	4.848		ug/L		97	70 - 130
2-Hexanone	62.5	59.15		ug/L		95	70 - 130
4-Chlorotoluene	5.00	4.930		ug/L		99	70 - 130
4-Methyl-2-pentanone	62.5	60.04		ug/L		96	70 - 130
Acetone	62.5	59.82		ug/L		96	70 - 130
Acrylonitrile	113	105.1		ug/L		93	70 - 130
Benzene	5.00	5.123		ug/L		102	70 - 130
Bromobenzene	5.00	5.048		ug/L		101	70 - 130
Bromochloromethane	5.00	5.252		ug/L		105	70 - 130
Bromodichloromethane	5.00	5.317		ug/L		106	70 - 130
Bromoform	5.00	5.487		ug/L		110	70 - 130
Bromomethane	2.00	1.851		ug/L		93	70 - 130
Carbon disulfide	5.00	4.754		ug/L		95	70 - 130
Carbon tetrachloride	5.00	5.371		ug/L		107	70 - 130
Chlorobenzene	5.00	4.873		ug/L		97	70 - 130
Chloroethane	2.00	1.827		ug/L		91	70 - 130
Chloroform	5.00	5.144		ug/L		103	70 - 130
Chloromethane	2.00	1.882		ug/L		94	70 - 130
cis-1,2-Dichloroethene	5.00	4.745		ug/L		95	70 - 130
cis-1,3-Dichloropropene	5.00	4.557		ug/L		91	70 - 130
Dibromochloromethane	5.00	5.441		ug/L		109	70 - 130
Dibromomethane	5.00	5.409		ug/L		108	70 - 130
Dichlorodifluoromethane	2.00	1.902		ug/L		95	70 - 130
di-Isopropyl ether	5.00	4.346		ug/L		87	70 - 130
Ethyl ether	5.00	4.762		ug/L		95	70 - 130
Ethyl t-butyl ether	5.00	4.343		ug/L		87	70 - 130
Ethylbenzene	5.00	4.750		ug/L		95	70 - 130
Freon 113	5.00	4.636		ug/L		93	70 - 130
Hexachlorobutadiene	5.00	4.990		ug/L		100	70 - 130
Isopropylbenzene	5.00	4.643		ug/L		93	70 - 130
m&p-Xylene	10.0	9.841		ug/L		98	70 - 130
Methyl tertiary butyl ether	5.00	4.447		ug/L		89	70 - 130
Methylene Chloride	5.00	4.725		ug/L		95	70 - 130
Naphthalene	5.00	4.068		ug/L		81	70 - 130
n-Butylbenzene	5.00	4.686		ug/L		94	70 - 130
N-Propylbenzene	5.00	4.751		ug/L		95	70 - 130
o-Xylene	5.00	4.584		ug/L		92	70 - 130
p-Isopropyltoluene	5.00	4.673		ug/L		93	70 - 130
sec-Butylbenzene	5.00	4.635		ug/L		93	70 - 130
Styrene	5.00	4.856		ug/L		97	70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-383938/4
Matrix: Drinking Water
Analysis Batch: 383938

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
t-Amyl methyl ether	5.00	4.327		ug/L		87	70 - 130
t-Butyl alcohol	50.0	53.75		ug/L		108	70 - 130
tert-Butylbenzene	5.00	4.371		ug/L		87	70 - 130
Tetrachloroethene	5.00	4.897		ug/L		98	70 - 130
Tetrahydrofuran	46.9	43.44		ug/L		93	70 - 130
Toluene	5.00	4.782		ug/L		96	70 - 130
trans-1,2-Dichloroethene	5.00	4.585		ug/L		92	70 - 130
Trichloroethene	5.00	4.702		ug/L		94	70 - 130
Trichlorofluoromethane	2.00	1.633		ug/L		82	70 - 130
Vinyl chloride	2.00	1.876		ug/L		94	70 - 130
trans-1,3-Dichloropropene	5.00	4.661		ug/L		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120

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

Lab Sample ID: MB 620-23535/7
Matrix: Water
Analysis Batch: 23535

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/12/23 20:17	1
Acetone	ND		10.0	ug/L			06/12/23 20:17	1
Acrylonitrile	ND		0.500	ug/L			06/12/23 20:17	1
Benzene	ND		1.00	ug/L			06/12/23 20:17	1
Bromobenzene	ND		1.00	ug/L			06/12/23 20:17	1
Bromochloromethane	ND		1.00	ug/L			06/12/23 20:17	1
Bromodichloromethane	ND		0.500	ug/L			06/12/23 20:17	1
Bromoform	ND		1.00	ug/L			06/12/23 20:17	1
Bromomethane	ND		2.00	ug/L			06/12/23 20:17	1
2-Butanone (MEK)	ND		2.00	ug/L			06/12/23 20:17	1
n-Butylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
sec-Butylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
tert-Butylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
Carbon disulfide	ND		2.00	ug/L			06/12/23 20:17	1
Carbon tetrachloride	ND		1.00	ug/L			06/12/23 20:17	1
Chlorobenzene	ND		1.00	ug/L			06/12/23 20:17	1
Chloroethane	ND		2.00	ug/L			06/12/23 20:17	1
Chloroform	ND		1.00	ug/L			06/12/23 20:17	1
Chloromethane	ND		2.00	ug/L			06/12/23 20:17	1
2-Chlorotoluene	ND		1.00	ug/L			06/12/23 20:17	1
4-Chlorotoluene	ND		1.00	ug/L			06/12/23 20:17	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/12/23 20:17	1
Dibromochloromethane	ND		0.500	ug/L			06/12/23 20:17	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/12/23 20:17	1
Dibromomethane	ND		1.00	ug/L			06/12/23 20:17	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: MB 620-23535/7
Matrix: Water
Analysis Batch: 23535

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.00	ug/L			06/12/23 20:17	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/12/23 20:17	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/12/23 20:17	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/12/23 20:17	1
1,1-Dichloroethane	ND		1.00	ug/L			06/12/23 20:17	1
1,2-Dichloroethane	ND		1.00	ug/L			06/12/23 20:17	1
1,1-Dichloroethene	ND		1.00	ug/L			06/12/23 20:17	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/12/23 20:17	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/12/23 20:17	1
1,2-Dichloropropane	ND		1.00	ug/L			06/12/23 20:17	1
1,3-Dichloropropane	ND		1.00	ug/L			06/12/23 20:17	1
2,2-Dichloropropane	ND		1.00	ug/L			06/12/23 20:17	1
1,1-Dichloropropene	ND		1.00	ug/L			06/12/23 20:17	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/12/23 20:17	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/12/23 20:17	1
Ethylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
Hexachlorobutadiene	ND		1.00	ug/L			06/12/23 20:17	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/12/23 20:17	1
Isopropylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
4-Isopropyltoluene	ND		1.00	ug/L			06/12/23 20:17	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/12/23 20:17	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/12/23 20:17	1
Methylene Chloride	ND		2.00	ug/L			06/12/23 20:17	1
Naphthalene	ND		2.00	ug/L			06/12/23 20:17	1
N-Propylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
Styrene	ND		1.00	ug/L			06/12/23 20:17	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/12/23 20:17	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/12/23 20:17	1
Tetrachloroethene	ND		1.00	ug/L			06/12/23 20:17	1
Toluene	ND		1.00	ug/L			06/12/23 20:17	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/12/23 20:17	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/12/23 20:17	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/12/23 20:17	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/12/23 20:17	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/12/23 20:17	1
Trichloroethene	ND		1.00	ug/L			06/12/23 20:17	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/12/23 20:17	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/12/23 20:17	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/12/23 20:17	1
Vinyl chloride	ND		1.00	ug/L			06/12/23 20:17	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/12/23 20:17	1
o-Xylene	ND		1.00	ug/L			06/12/23 20:17	1
Tetrahydrofuran	ND		2.00	ug/L			06/12/23 20:17	1
Ethyl ether	ND		1.00	ug/L			06/12/23 20:17	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/12/23 20:17	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/12/23 20:17	1
di-Isopropyl ether	ND		1.00	ug/L			06/12/23 20:17	1
tert-Butanol	ND		10.0	ug/L			06/12/23 20:17	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: MB 620-23535/7
Matrix: Water
Analysis Batch: 23535

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		50.0	ug/L			06/12/23 20:17	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/12/23 20:17	1
Ethanol	ND		200	ug/L			06/12/23 20:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		06/12/23 20:17	1
Toluene-d8 (Surr)	96		70 - 130		06/12/23 20:17	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		06/12/23 20:17	1
Dibromofluoromethane (Surr)	119		70 - 130		06/12/23 20:17	1

Lab Sample ID: LCS 620-23535/4
Matrix: Water
Analysis Batch: 23535

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-Trichlorotrifluoroethane (Freon 113)	20.0	23.45		ug/L		117	85 - 124
Acetone	20.0	24.44		ug/L		122	14 - 133
Acrylonitrile	20.0	22.08		ug/L		110	62 - 134
Benzene	20.0	21.67		ug/L		108	86 - 111
Bromobenzene	20.0	20.10		ug/L		101	82 - 120
Bromochloromethane	20.0	23.77		ug/L		119	83 - 123
Bromodichloromethane	20.0	21.43		ug/L		107	83 - 137
Bromoform	20.0	16.54	*-	ug/L		83	91 - 137
Bromomethane	20.0	20.55		ug/L		103	29 - 148
2-Butanone (MEK)	20.0	17.78		ug/L		89	10 - 200
n-Butylbenzene	20.0	21.66		ug/L		108	85 - 138
sec-Butylbenzene	20.0	20.73		ug/L		104	75 - 118
tert-Butylbenzene	20.0	19.49		ug/L		97	85 - 122
Carbon disulfide	20.0	23.20		ug/L		116	69 - 150
Carbon tetrachloride	20.0	23.04		ug/L		115	84 - 123
Chlorobenzene	20.0	23.82	*+	ug/L		119	93 - 115
Chloroethane	20.0	23.64		ug/L		118	56 - 155
Chloroform	20.0	21.65		ug/L		108	84 - 116
Chloromethane	20.0	24.19		ug/L		121	45 - 138
2-Chlorotoluene	20.0	21.44		ug/L		107	88 - 116
4-Chlorotoluene	20.0	20.61		ug/L		103	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	16.44		ug/L		82	70 - 139
Dibromochloromethane	20.0	19.74		ug/L		99	83 - 132
1,2-Dibromoethane (EDB)	20.0	21.66		ug/L		108	82 - 125
Dibromomethane	20.0	23.03		ug/L		115	80 - 125
1,2-Dichlorobenzene	20.0	22.78		ug/L		114	84 - 128
1,3-Dichlorobenzene	20.0	21.02		ug/L		105	85 - 120
1,4-Dichlorobenzene	20.0	22.15		ug/L		111	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	25.86		ug/L		129	36 - 131
1,1-Dichloroethane	20.0	22.78		ug/L		114	81 - 120
1,2-Dichloroethane	20.0	22.62		ug/L		113	82 - 116
1,1-Dichloroethene	20.0	22.40		ug/L		112	83 - 120

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: LCS 620-23535/4
Matrix: Water
Analysis Batch: 23535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	20.0	23.78		ug/L		119	81 - 124
trans-1,2-Dichloroethene	20.0	23.62		ug/L		118	81 - 127
1,2-Dichloropropane	20.0	23.62		ug/L		118	76 - 132
1,3-Dichloropropane	20.0	20.94		ug/L		105	74 - 122
2,2-Dichloropropane	20.0	18.86		ug/L		94	77 - 130
1,1-Dichloropropene	20.0	19.46		ug/L		97	81 - 115
cis-1,3-Dichloropropene	20.0	18.91		ug/L		95	74 - 129
trans-1,3-Dichloropropene	20.0	18.24		ug/L		91	78 - 126
Ethylbenzene	20.0	21.78		ug/L		109	89 - 117
Hexachlorobutadiene	20.0	18.53		ug/L		93	77 - 118
2-Hexanone (MBK)	20.0	18.35		ug/L		92	37 - 123
Isopropylbenzene	20.0	20.86		ug/L		104	83 - 117
4-Isopropyltoluene	20.0	20.39		ug/L		102	83 - 124
Methyl tert-butyl ether	20.0	18.96		ug/L		95	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	17.43		ug/L		87	59 - 118
Methylene Chloride	20.0	21.97		ug/L		110	75 - 121
Naphthalene	20.0	20.69		ug/L		103	67 - 123
N-Propylbenzene	20.0	22.59		ug/L		113	84 - 128
Styrene	20.0	20.28		ug/L		101	78 - 127
1,1,1,2-Tetrachloroethane	20.0	19.98		ug/L		100	91 - 118
1,1,2,2-Tetrachloroethane	20.0	23.93		ug/L		120	77 - 129
Tetrachloroethene	20.0	19.93		ug/L		100	85 - 116
Toluene	20.0	21.25		ug/L		106	88 - 109
1,2,3-Trichlorobenzene	20.0	20.28		ug/L		101	67 - 134
1,2,4-Trichlorobenzene	20.0	19.70		ug/L		99	78 - 133
1,3,5-Trichlorobenzene	20.0	20.51		ug/L		103	77 - 127
1,1,1-Trichloroethane	20.0	20.52		ug/L		103	83 - 124
1,1,2-Trichloroethane	20.0	23.64		ug/L		118	84 - 132
Trichloroethene	20.0	21.05		ug/L		105	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	21.59		ug/L		108	82 - 126
1,2,3-Trichloropropane	20.0	20.88		ug/L		104	77 - 124
1,2,4-Trimethylbenzene	20.0	20.40		ug/L		102	89 - 126
1,3,5-Trimethylbenzene	20.0	20.57		ug/L		103	89 - 125
Vinyl chloride	20.0	22.67		ug/L		113	62 - 130
m-Xylene & p-Xylene	40.0	43.93		ug/L		110	85 - 123
o-Xylene	20.0	22.23		ug/L		111	85 - 119
Tetrahydrofuran	20.0	19.70		ug/L		99	60 - 133
Ethyl ether	20.0	20.88		ug/L		104	69 - 122
Tert-amyl methyl ether	20.0	18.23		ug/L		91	50 - 140
Ethyl tert-butyl ether	20.0	18.24		ug/L		91	60 - 131
di-Isopropyl ether	20.0	19.28		ug/L		96	67 - 125
tert-Butanol	200	214.4		ug/L		107	50 - 169
1,4-Dioxane	200	233.1		ug/L		117	28 - 150
trans-1,4-Dichloro-2-butene	20.0	18.56		ug/L		93	48 - 153
Ethanol	400	380.8		ug/L		95	47 - 170

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: LCS 620-23535/4
Matrix: Water
Analysis Batch: 23535

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	109		70 - 130

Lab Sample ID: LCSD 620-23535/5
Matrix: Water
Analysis Batch: 23535

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-Trichlorotrifluoroethane (Freon 113)	20.0	23.20		ug/L		116	85 - 124	1	20
Acetone	20.0	22.35		ug/L		112	14 - 133	9	20
Acrylonitrile	20.0	21.71		ug/L		109	62 - 134	2	20
Benzene	20.0	21.28		ug/L		106	86 - 111	2	20
Bromobenzene	20.0	19.73		ug/L		99	82 - 120	2	20
Bromochloromethane	20.0	22.01		ug/L		110	83 - 123	8	20
Bromodichloromethane	20.0	20.48		ug/L		102	83 - 137	5	20
Bromoform	20.0	16.10	*-	ug/L		81	91 - 137	3	20
Bromomethane	20.0	20.56		ug/L		103	29 - 148	0	20
2-Butanone (MEK)	20.0	17.91		ug/L		90	10 - 200	1	20
n-Butylbenzene	20.0	21.21		ug/L		106	85 - 138	2	20
sec-Butylbenzene	20.0	20.22		ug/L		101	75 - 118	3	20
tert-Butylbenzene	20.0	19.08		ug/L		95	85 - 122	2	20
Carbon disulfide	20.0	23.47		ug/L		117	69 - 150	1	20
Carbon tetrachloride	20.0	22.66		ug/L		113	84 - 123	2	20
Chlorobenzene	20.0	23.58	*+	ug/L		118	93 - 115	1	20
Chloroethane	20.0	22.54		ug/L		113	56 - 155	5	20
Chloroform	20.0	20.83		ug/L		104	84 - 116	4	20
Chloromethane	20.0	24.72		ug/L		124	45 - 138	2	20
2-Chlorotoluene	20.0	21.03		ug/L		105	88 - 116	2	20
4-Chlorotoluene	20.0	20.23		ug/L		101	81 - 128	2	20
1,2-Dibromo-3-Chloropropane	20.0	15.97		ug/L		80	70 - 139	3	20
Dibromochloromethane	20.0	19.54		ug/L		98	83 - 132	1	20
1,2-Dibromoethane (EDB)	20.0	21.67		ug/L		108	82 - 125	0	20
Dibromomethane	20.0	23.18		ug/L		116	80 - 125	1	20
1,2-Dichlorobenzene	20.0	22.22		ug/L		111	84 - 128	3	20
1,3-Dichlorobenzene	20.0	20.46		ug/L		102	85 - 120	3	20
1,4-Dichlorobenzene	20.0	22.03		ug/L		110	86 - 116	1	20
Dichlorodifluoromethane (Freon 12)	20.0	25.19		ug/L		126	36 - 131	3	20
1,1-Dichloroethane	20.0	23.50		ug/L		118	81 - 120	3	20
1,2-Dichloroethane	20.0	22.14		ug/L		111	82 - 116	2	20
1,1-Dichloroethene	20.0	22.80		ug/L		114	83 - 120	2	20
cis-1,2-Dichloroethene	20.0	21.77		ug/L		109	81 - 124	9	20
trans-1,2-Dichloroethene	20.0	22.05		ug/L		110	81 - 127	7	20
1,2-Dichloropropane	20.0	23.22		ug/L		116	76 - 132	2	20
1,3-Dichloropropane	20.0	20.76		ug/L		104	74 - 122	1	20
2,2-Dichloropropane	20.0	18.48		ug/L		92	77 - 130	2	20

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: LCSD 620-23535/5
Matrix: Water
Analysis Batch: 23535

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-Dichloropropene	20.0	19.22		ug/L		96	81 - 115	1	20
cis-1,3-Dichloropropene	20.0	18.63		ug/L		93	74 - 129	1	20
trans-1,3-Dichloropropene	20.0	18.10		ug/L		91	78 - 126	1	20
Ethylbenzene	20.0	21.31		ug/L		107	89 - 117	2	20
Hexachlorobutadiene	20.0	18.03		ug/L		90	77 - 118	3	20
2-Hexanone (MBK)	20.0	17.67		ug/L		88	37 - 123	4	20
Isopropylbenzene	20.0	20.47		ug/L		102	83 - 117	2	20
4-Isopropyltoluene	20.0	20.03		ug/L		100	83 - 124	2	20
Methyl tert-butyl ether	20.0	18.75		ug/L		94	70 - 126	1	20
4-Methyl-2-pentanone (MIBK)	20.0	17.39		ug/L		87	59 - 118	0	20
Methylene Chloride	20.0	22.05		ug/L		110	75 - 121	0	20
Naphthalene	20.0	20.41		ug/L		102	67 - 123	1	20
N-Propylbenzene	20.0	21.94		ug/L		110	84 - 128	3	20
Styrene	20.0	20.17		ug/L		101	78 - 127	1	20
1,1,1,2-Tetrachloroethane	20.0	19.71		ug/L		99	91 - 118	1	20
1,1,2,2-Tetrachloroethane	20.0	23.25		ug/L		116	77 - 129	3	20
Tetrachloroethene	20.0	19.65		ug/L		98	85 - 116	1	20
Toluene	20.0	20.92		ug/L		105	88 - 109	2	20
1,2,3-Trichlorobenzene	20.0	19.83		ug/L		99	67 - 134	2	20
1,2,4-Trichlorobenzene	20.0	19.42		ug/L		97	78 - 133	1	20
1,3,5-Trichlorobenzene	20.0	20.18		ug/L		101	77 - 127	2	20
1,1,1-Trichloroethane	20.0	20.31		ug/L		102	83 - 124	1	20
1,1,2-Trichloroethane	20.0	23.47		ug/L		117	84 - 132	1	20
Trichloroethene	20.0	20.80		ug/L		104	74 - 118	1	20
Trichlorofluoromethane (Freon 11)	20.0	21.39		ug/L		107	82 - 126	1	20
1,2,3-Trichloropropane	20.0	20.30		ug/L		102	77 - 124	3	20
1,2,4-Trimethylbenzene	20.0	19.79		ug/L		99	89 - 126	3	20
1,3,5-Trimethylbenzene	20.0	19.94		ug/L		100	89 - 125	3	20
Vinyl chloride	20.0	22.01		ug/L		110	62 - 130	3	20
m-Xylene & p-Xylene	40.0	42.57		ug/L		106	85 - 123	3	20
o-Xylene	20.0	21.92		ug/L		110	85 - 119	1	20
Tetrahydrofuran	20.0	18.91		ug/L		95	60 - 133	4	20
Ethyl ether	20.0	20.50		ug/L		103	69 - 122	2	20
Tert-amyl methyl ether	20.0	18.00		ug/L		90	50 - 140	1	20
Ethyl tert-butyl ether	20.0	18.12		ug/L		91	60 - 131	1	20
di-Isopropyl ether	20.0	19.17		ug/L		96	67 - 125	1	20
tert-Butanol	200	207.8		ug/L		104	50 - 169	3	20
1,4-Dioxane	200	241.9		ug/L		121	28 - 150	4	20
trans-1,4-Dichloro-2-butene	20.0	17.87		ug/L		89	48 - 153	4	20
Ethanol	400	377.0		ug/L		94	47 - 170	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Toluene-d8 (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: MB 620-23577/7
Matrix: Water
Analysis Batch: 23577

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/13/23 20:57	1
Acetone	ND		10.0	ug/L			06/13/23 20:57	1
Acrylonitrile	ND		0.500	ug/L			06/13/23 20:57	1
Benzene	ND		1.00	ug/L			06/13/23 20:57	1
Bromobenzene	ND		1.00	ug/L			06/13/23 20:57	1
Bromochloromethane	ND		1.00	ug/L			06/13/23 20:57	1
Bromodichloromethane	ND		0.500	ug/L			06/13/23 20:57	1
Bromoform	ND		1.00	ug/L			06/13/23 20:57	1
Bromomethane	ND		2.00	ug/L			06/13/23 20:57	1
2-Butanone (MEK)	ND		2.00	ug/L			06/13/23 20:57	1
n-Butylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
sec-Butylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
tert-Butylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
Carbon disulfide	ND		2.00	ug/L			06/13/23 20:57	1
Carbon tetrachloride	ND		1.00	ug/L			06/13/23 20:57	1
Chlorobenzene	ND		1.00	ug/L			06/13/23 20:57	1
Chloroethane	ND		2.00	ug/L			06/13/23 20:57	1
Chloroform	ND		1.00	ug/L			06/13/23 20:57	1
Chloromethane	ND		2.00	ug/L			06/13/23 20:57	1
2-Chlorotoluene	ND		1.00	ug/L			06/13/23 20:57	1
4-Chlorotoluene	ND		1.00	ug/L			06/13/23 20:57	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/13/23 20:57	1
Dibromochloromethane	ND		0.500	ug/L			06/13/23 20:57	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/13/23 20:57	1
Dibromomethane	ND		1.00	ug/L			06/13/23 20:57	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/13/23 20:57	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/13/23 20:57	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/13/23 20:57	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/13/23 20:57	1
1,1-Dichloroethane	ND		1.00	ug/L			06/13/23 20:57	1
1,2-Dichloroethane	ND		1.00	ug/L			06/13/23 20:57	1
1,1-Dichloroethene	ND		1.00	ug/L			06/13/23 20:57	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 20:57	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/13/23 20:57	1
1,2-Dichloropropane	ND		1.00	ug/L			06/13/23 20:57	1
1,3-Dichloropropane	ND		1.00	ug/L			06/13/23 20:57	1
2,2-Dichloropropane	ND		1.00	ug/L			06/13/23 20:57	1
1,1-Dichloropropene	ND		1.00	ug/L			06/13/23 20:57	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 20:57	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/13/23 20:57	1
Ethylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
Hexachlorobutadiene	ND		1.00	ug/L			06/13/23 20:57	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/13/23 20:57	1
Isopropylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
4-Isopropyltoluene	ND		1.00	ug/L			06/13/23 20:57	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/13/23 20:57	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/13/23 20:57	1
Methylene Chloride	ND		2.00	ug/L			06/13/23 20:57	1

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: MB 620-23577/7
Matrix: Water
Analysis Batch: 23577

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.00	ug/L			06/13/23 20:57	1
N-Propylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
Styrene	ND		1.00	ug/L			06/13/23 20:57	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/13/23 20:57	1
1,1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/13/23 20:57	1
Tetrachloroethene	ND		1.00	ug/L			06/13/23 20:57	1
Toluene	ND		1.00	ug/L			06/13/23 20:57	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/13/23 20:57	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/13/23 20:57	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/13/23 20:57	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/13/23 20:57	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/13/23 20:57	1
Trichloroethene	ND		1.00	ug/L			06/13/23 20:57	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/13/23 20:57	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/13/23 20:57	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/13/23 20:57	1
Vinyl chloride	ND		1.00	ug/L			06/13/23 20:57	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/13/23 20:57	1
o-Xylene	ND		1.00	ug/L			06/13/23 20:57	1
Tetrahydrofuran	ND		2.00	ug/L			06/13/23 20:57	1
Ethyl ether	ND		1.00	ug/L			06/13/23 20:57	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/13/23 20:57	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/13/23 20:57	1
di-Isopropyl ether	ND		1.00	ug/L			06/13/23 20:57	1
tert-Butanol	ND		10.0	ug/L			06/13/23 20:57	1
1,4-Dioxane	ND		50.0	ug/L			06/13/23 20:57	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/13/23 20:57	1
Ethanol	ND		200	ug/L			06/13/23 20:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		06/13/23 20:57	1
Toluene-d8 (Surr)	96		70 - 130		06/13/23 20:57	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		06/13/23 20:57	1
Dibromofluoromethane (Surr)	118		70 - 130		06/13/23 20:57	1

Lab Sample ID: LCS 620-23577/4
Matrix: Water
Analysis Batch: 23577

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-Trichlorotrifluoroethane (Freon 113)	20.0	22.92		ug/L		115	85 - 124
Acetone	20.0	23.31		ug/L		117	14 - 133
Acrylonitrile	20.0	21.42		ug/L		107	62 - 134
Benzene	20.0	21.64		ug/L		108	86 - 111
Bromobenzene	20.0	19.72		ug/L		99	82 - 120
Bromochloromethane	20.0	23.52		ug/L		118	83 - 123
Bromodichloromethane	20.0	20.71		ug/L		104	83 - 137

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: LCS 620-23577/4
Matrix: Water
Analysis Batch: 23577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform	20.0	16.08	*-	ug/L		80	91 - 137
Bromomethane	20.0	19.91		ug/L		100	29 - 148
2-Butanone (MEK)	20.0	16.89		ug/L		84	10 - 200
n-Butylbenzene	20.0	20.96		ug/L		105	85 - 138
sec-Butylbenzene	20.0	20.04		ug/L		100	75 - 118
tert-Butylbenzene	20.0	18.74		ug/L		94	85 - 122
Carbon disulfide	20.0	22.07		ug/L		110	69 - 150
Carbon tetrachloride	20.0	22.08		ug/L		110	84 - 123
Chlorobenzene	20.0	23.51	*+	ug/L		118	93 - 115
Chloroethane	20.0	21.35		ug/L		107	56 - 155
Chloroform	20.0	22.95		ug/L		115	84 - 116
Chloromethane	20.0	24.72		ug/L		124	45 - 138
2-Chlorotoluene	20.0	21.06		ug/L		105	88 - 116
4-Chlorotoluene	20.0	20.33		ug/L		102	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	15.86		ug/L		79	70 - 139
Dibromochloromethane	20.0	18.78		ug/L		94	83 - 132
1,2-Dibromoethane (EDB)	20.0	21.11		ug/L		106	82 - 125
Dibromomethane	20.0	23.72		ug/L		119	80 - 125
1,2-Dichlorobenzene	20.0	22.46		ug/L		112	84 - 128
1,3-Dichlorobenzene	20.0	20.55		ug/L		103	85 - 120
1,4-Dichlorobenzene	20.0	22.24		ug/L		111	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	25.09		ug/L		125	36 - 131
1,1-Dichloroethane	20.0	23.80		ug/L		119	81 - 120
1,2-Dichloroethane	20.0	22.35		ug/L		112	82 - 116
1,1-Dichloroethene	20.0	22.60		ug/L		113	83 - 120
cis-1,2-Dichloroethene	20.0	22.58		ug/L		113	81 - 124
trans-1,2-Dichloroethene	20.0	23.19		ug/L		116	81 - 127
1,2-Dichloropropane	20.0	23.11		ug/L		116	76 - 132
1,3-Dichloropropane	20.0	20.41		ug/L		102	74 - 122
2,2-Dichloropropane	20.0	18.15		ug/L		91	77 - 130
1,1-Dichloropropene	20.0	18.80		ug/L		94	81 - 115
cis-1,3-Dichloropropene	20.0	18.18		ug/L		91	74 - 129
trans-1,3-Dichloropropene	20.0	17.79		ug/L		89	78 - 126
Ethylbenzene	20.0	21.57		ug/L		108	89 - 117
Hexachlorobutadiene	20.0	17.54		ug/L		88	77 - 118
2-Hexanone (MBK)	20.0	17.30		ug/L		86	37 - 123
Isopropylbenzene	20.0	20.53		ug/L		103	83 - 117
4-Isopropyltoluene	20.0	19.85		ug/L		99	83 - 124
Methyl tert-butyl ether	20.0	18.37		ug/L		92	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	16.91		ug/L		85	59 - 118
Methylene Chloride	20.0	21.87		ug/L		109	75 - 121
Naphthalene	20.0	20.30		ug/L		101	67 - 123
N-Propylbenzene	20.0	22.09		ug/L		110	84 - 128
Styrene	20.0	20.24		ug/L		101	78 - 127
1,1,1,2-Tetrachloroethane	20.0	19.65		ug/L		98	91 - 118
1,1,1,2,2-Tetrachloroethane	20.0	23.14		ug/L		116	77 - 129
Tetrachloroethene	20.0	19.36		ug/L		97	85 - 116
Toluene	20.0	20.77		ug/L		104	88 - 109

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: LCS 620-23577/4
Matrix: Water
Analysis Batch: 23577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	20.0	19.68		ug/L		98	67 - 134
1,2,4-Trichlorobenzene	20.0	19.31		ug/L		97	78 - 133
1,3,5-Trichlorobenzene	20.0	20.12		ug/L		101	77 - 127
1,1,1-Trichloroethane	20.0	19.90		ug/L		100	83 - 124
1,1,2-Trichloroethane	20.0	23.15		ug/L		116	84 - 132
Trichloroethene	20.0	20.54		ug/L		103	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	20.08		ug/L		100	82 - 126
1,2,3-Trichloropropane	20.0	20.16		ug/L		101	77 - 124
1,2,4-Trimethylbenzene	20.0	20.00		ug/L		100	89 - 126
1,3,5-Trimethylbenzene	20.0	20.10		ug/L		101	89 - 125
Vinyl chloride	20.0	22.58		ug/L		113	62 - 130
m-Xylene & p-Xylene	40.0	43.28		ug/L		108	85 - 123
o-Xylene	20.0	22.04		ug/L		110	85 - 119
Tetrahydrofuran	20.0	19.61		ug/L		98	60 - 133
Ethyl ether	20.0	20.33		ug/L		102	69 - 122
Tert-amyl methyl ether	20.0	17.60		ug/L		88	50 - 140
Ethyl tert-butyl ether	20.0	17.68		ug/L		88	60 - 131
di-Isopropyl ether	20.0	18.86		ug/L		94	67 - 125
tert-Butanol	200	203.0		ug/L		102	50 - 169
1,4-Dioxane	200	238.0		ug/L		119	28 - 150
trans-1,4-Dichloro-2-butene	20.0	17.09		ug/L		85	48 - 153
Ethanol	400	443.4		ug/L		111	47 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Toluene-d8 (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130

Lab Sample ID: LCSD 620-23577/5
Matrix: Water
Analysis Batch: 23577

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-Trichlorotrifluoroethane (Freon 113)	20.0	22.43		ug/L		112	85 - 124	2	20
Acetone	20.0	22.45		ug/L		112	14 - 133	4	20
Acrylonitrile	20.0	20.15		ug/L		101	62 - 134	6	20
Benzene	20.0	20.91		ug/L		105	86 - 111	3	20
Bromobenzene	20.0	19.36		ug/L		97	82 - 120	2	20
Bromochloromethane	20.0	23.03		ug/L		115	83 - 123	2	20
Bromodichloromethane	20.0	20.22		ug/L		101	83 - 137	2	20
Bromoform	20.0	15.82	*	ug/L		79	91 - 137	2	20
Bromomethane	20.0	20.53		ug/L		103	29 - 148	3	20
2-Butanone (MEK)	20.0	18.91		ug/L		95	10 - 200	11	20
n-Butylbenzene	20.0	20.49		ug/L		102	85 - 138	2	20
sec-Butylbenzene	20.0	19.67		ug/L		98	75 - 118	2	20
tert-Butylbenzene	20.0	18.37		ug/L		92	85 - 122	2	20

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: LCSD 620-23577/5
Matrix: Water
Analysis Batch: 23577

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide	20.0	22.85		ug/L		114	69 - 150	3	20
Carbon tetrachloride	20.0	21.76		ug/L		109	84 - 123	1	20
Chlorobenzene	20.0	23.31	*+	ug/L		117	93 - 115	1	20
Chloroethane	20.0	21.56		ug/L		108	56 - 155	1	20
Chloroform	20.0	22.51		ug/L		113	84 - 116	2	20
Chloromethane	20.0	25.38		ug/L		127	45 - 138	3	20
2-Chlorotoluene	20.0	20.52		ug/L		103	88 - 116	3	20
4-Chlorotoluene	20.0	19.82		ug/L		99	81 - 128	3	20
1,2-Dibromo-3-Chloropropane	20.0	15.65		ug/L		78	70 - 139	1	20
Dibromochloromethane	20.0	18.63		ug/L		93	83 - 132	1	20
1,2-Dibromoethane (EDB)	20.0	20.87		ug/L		104	82 - 125	1	20
Dibromomethane	20.0	23.61		ug/L		118	80 - 125	0	20
1,2-Dichlorobenzene	20.0	22.02		ug/L		110	84 - 128	2	20
1,3-Dichlorobenzene	20.0	20.18		ug/L		101	85 - 120	2	20
1,4-Dichlorobenzene	20.0	21.75		ug/L		109	86 - 116	2	20
Dichlorodifluoromethane (Freon 12)	20.0	24.63		ug/L		123	36 - 131	2	20
1,1-Dichloroethane	20.0	23.65		ug/L		118	81 - 120	1	20
1,2-Dichloroethane	20.0	21.50		ug/L		108	82 - 116	4	20
1,1-Dichloroethene	20.0	22.39		ug/L		112	83 - 120	1	20
cis-1,2-Dichloroethene	20.0	21.99		ug/L		110	81 - 124	3	20
trans-1,2-Dichloroethene	20.0	21.71		ug/L		109	81 - 127	7	20
1,2-Dichloropropane	20.0	22.83		ug/L		114	76 - 132	1	20
1,3-Dichloropropane	20.0	20.12		ug/L		101	74 - 122	1	20
2,2-Dichloropropane	20.0	17.75		ug/L		89	77 - 130	2	20
1,1-Dichloropropene	20.0	18.92		ug/L		95	81 - 115	1	20
cis-1,3-Dichloropropene	20.0	18.20		ug/L		91	74 - 129	0	20
trans-1,3-Dichloropropene	20.0	17.49		ug/L		87	78 - 126	2	20
Ethylbenzene	20.0	21.19		ug/L		106	89 - 117	2	20
Hexachlorobutadiene	20.0	17.26		ug/L		86	77 - 118	2	20
2-Hexanone (MBK)	20.0	17.47		ug/L		87	37 - 123	1	20
Isopropylbenzene	20.0	20.08		ug/L		100	83 - 117	2	20
4-Isopropyltoluene	20.0	19.73		ug/L		99	83 - 124	1	20
Methyl tert-butyl ether	20.0	18.32		ug/L		92	70 - 126	0	20
4-Methyl-2-pentanone (MIBK)	20.0	16.83		ug/L		84	59 - 118	0	20
Methylene Chloride	20.0	23.08		ug/L		115	75 - 121	5	20
Naphthalene	20.0	19.89		ug/L		99	67 - 123	2	20
N-Propylbenzene	20.0	21.90		ug/L		110	84 - 128	1	20
Styrene	20.0	19.95		ug/L		100	78 - 127	1	20
1,1,1,2-Tetrachloroethane	20.0	19.37		ug/L		97	91 - 118	1	20
1,1,1,2,2-Tetrachloroethane	20.0	22.69		ug/L		113	77 - 129	2	20
Tetrachloroethene	20.0	19.18		ug/L		96	85 - 116	1	20
Toluene	20.0	20.74		ug/L		104	88 - 109	0	20
1,2,3-Trichlorobenzene	20.0	19.42		ug/L		97	67 - 134	1	20
1,2,4-Trichlorobenzene	20.0	18.81		ug/L		94	78 - 133	3	20
1,3,5-Trichlorobenzene	20.0	19.51		ug/L		98	77 - 127	3	20
1,1,1-Trichloroethane	20.0	19.60		ug/L		98	83 - 124	2	20
1,1,2-Trichloroethane	20.0	22.69		ug/L		113	84 - 132	2	20
Trichloroethene	20.0	19.94		ug/L		100	74 - 118	3	20

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

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

Lab Sample ID: LCSD 620-23577/5
Matrix: Water
Analysis Batch: 23577

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 (Freon 11)	20.0	20.41		ug/L		102	82 - 126	2	20
1,2,3-Trichloropropane	20.0	20.04		ug/L		100	77 - 124	1	20
1,2,4-Trimethylbenzene	20.0	19.53		ug/L		98	89 - 126	2	20
1,3,5-Trimethylbenzene	20.0	19.61		ug/L		98	89 - 125	2	20
Vinyl chloride	20.0	21.87		ug/L		109	62 - 130	3	20
m-Xylene & p-Xylene	40.0	42.40		ug/L		106	85 - 123	2	20
o-Xylene	20.0	21.55		ug/L		108	85 - 119	2	20
Tetrahydrofuran	20.0	19.36		ug/L		97	60 - 133	1	20
Ethyl ether	20.0	20.29		ug/L		101	69 - 122	0	20
Tert-amyl methyl ether	20.0	17.84		ug/L		89	50 - 140	1	20
Ethyl tert-butyl ether	20.0	17.60		ug/L		88	60 - 131	0	20
di-Isopropyl ether	20.0	18.56		ug/L		93	67 - 125	2	20
tert-Butanol	200	212.7		ug/L		106	50 - 169	5	20
1,4-Dioxane	200	238.6		ug/L		119	28 - 150	0	20
trans-1,4-Dichloro-2-butene	20.0	17.28		ug/L		86	48 - 153	1	20
Ethanol	400	424.2		ug/L		106	47 - 170	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Toluene-d8 (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-387675/42
Matrix: Water
Analysis Batch: 387675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	mg/L			06/17/23 00:40	1

Lab Sample ID: LCS 410-387675/40
Matrix: Water
Analysis Batch: 387675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.962		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-387675/41
Matrix: Water
Analysis Batch: 387675

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	3.00	2.972		mg/L		99	90 - 110	0	20

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 410-388303/5
Matrix: Water
Analysis Batch: 388303

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	mg/L			06/19/23 11:32	1

Lab Sample ID: LCS 410-388303/3
Matrix: Water
Analysis Batch: 388303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.930		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-388303/4
Matrix: Water
Analysis Batch: 388303

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	3.00	2.922		mg/L		97	90 - 110	0	20

Lab Sample ID: MB 410-388360/5
Matrix: Water
Analysis Batch: 388360

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	mg/L			06/19/23 17:15	1

Lab Sample ID: LCS 410-388360/3
Matrix: Water
Analysis Batch: 388360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	3.036		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-388360/4
Matrix: Water
Analysis Batch: 388360

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	3.00	3.039		mg/L		101	90 - 110	0	20

Lab Sample ID: MB 410-388432/5
Matrix: Water
Analysis Batch: 388432

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	mg/L			06/20/23 12:49	1

Lab Sample ID: LCS 410-388432/3
Matrix: Water
Analysis Batch: 388432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.949		mg/L		98	90 - 110

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: LCSD 410-388432/4
Matrix: Water
Analysis Batch: 388432

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	3.00	2.945		mg/L		98	90 - 110	0	20

Lab Sample ID: MB 410-388879/5
Matrix: Water
Analysis Batch: 388879

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	mg/L			06/21/23 08:20	1

Lab Sample ID: LCS 410-388879/3
Matrix: Water
Analysis Batch: 388879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.929		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-388879/4
Matrix: Water
Analysis Batch: 388879

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	3.00	2.959		mg/L		99	90 - 110	1	20

Lab Sample ID: 620-11894-13 MS
Matrix: Water
Analysis Batch: 388879

Client Sample ID: MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.4		10.0	24.92		mg/L		96	90 - 110

Lab Sample ID: 620-11894-13 DU
Matrix: Water
Analysis Batch: 388879

Client Sample ID: MW-4S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	15.4		15.53		mg/L		1	15

Lab Sample ID: MB 410-389437/5
Matrix: Water
Analysis Batch: 389437

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.50	mg/L			06/22/23 11:43	1

Lab Sample ID: LCS 410-389437/3
Matrix: Water
Analysis Batch: 389437

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.00	2.800		mg/L		93	90 - 110

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: LCSD 410-389437/4
Matrix: Water
Analysis Batch: 389437

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	3.00	2.906		mg/L		97	90 - 110	4	20

Lab Sample ID: 620-11894-16 MS
Matrix: Water
Analysis Batch: 389437

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	38.3	F1	20.0	72.50	E F1	mg/L		171	90 - 110

Lab Sample ID: 620-11894-17 MS
Matrix: Water
Analysis Batch: 389437

Client Sample ID: MW-3D-FD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	39.5	F1	20.0	72.98	E F1	mg/L		167	90 - 110

Lab Sample ID: 620-11894-16 DU
Matrix: Water
Analysis Batch: 389437

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	38.3	F1		38.21		mg/L		0.3	15

Lab Sample ID: 620-11894-17 DU
Matrix: Water
Analysis Batch: 389437

Client Sample ID: MW-3D-FD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	39.5	F1		39.52		mg/L		0.08	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-23374/1-A
Matrix: Water
Analysis Batch: 23440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23374

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00400	mg/L		06/07/23 15:35	06/08/23 14:19	1
Cadmium	ND		0.00250	mg/L		06/07/23 15:35	06/08/23 14:19	1
Chromium	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 14:19	1
Copper	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 14:19	1
Iron	ND		0.0500	mg/L		06/07/23 15:35	06/08/23 14:19	1
Lead	ND		0.00750	mg/L		06/07/23 15:35	06/08/23 14:19	1
Manganese	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 14:19	1
Nickel	ND		0.00500	mg/L		06/07/23 15:35	06/08/23 14:19	1
Sodium	ND		0.750	mg/L		06/07/23 15:35	06/08/23 14:19	1
Zinc	ND		0.0250	mg/L		06/07/23 15:35	06/08/23 14:19	1

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 620-23374/2-A
Matrix: Water
Analysis Batch: 23440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.25	1.188		mg/L		95	80 - 120
Cadmium	1.25	1.224		mg/L		98	80 - 120
Chromium	1.25	1.200		mg/L		96	80 - 120
Copper	1.25	1.217		mg/L		97	80 - 120
Iron	1.25	1.234		mg/L		99	80 - 120
Lead	1.25	1.222		mg/L		98	80 - 120
Manganese	1.25	1.269		mg/L		102	80 - 120
Nickel	1.25	1.196		mg/L		96	80 - 120
Sodium	3.75	3.583		mg/L		96	80 - 120
Zinc	1.25	1.235		mg/L		99	80 - 120

Lab Sample ID: LCSD 620-23374/3-A
Matrix: Water
Analysis Batch: 23440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23374

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1.25	1.184		mg/L		95	80 - 120	0	20
Cadmium	1.25	1.210		mg/L		97	80 - 120	1	20
Chromium	1.25	1.177		mg/L		94	80 - 120	2	20
Copper	1.25	1.192		mg/L		95	80 - 120	2	20
Iron	1.25	1.228		mg/L		98	80 - 120	1	20
Lead	1.25	1.210		mg/L		97	80 - 120	1	20
Manganese	1.25	1.244		mg/L		99	80 - 120	2	20
Nickel	1.25	1.188		mg/L		95	80 - 120	1	20
Sodium	3.75	3.573		mg/L		95	80 - 120	0	20
Zinc	1.25	1.224		mg/L		98	80 - 120	1	20

Lab Sample ID: MB 620-23385/1-A
Matrix: Water
Analysis Batch: 23440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23385

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		06/07/23 17:57	06/08/23 11:24	1
Cadmium	ND		0.00500	mg/L		06/07/23 17:57	06/08/23 11:24	1
Chromium	ND		0.0100	mg/L		06/07/23 17:57	06/08/23 11:24	1
Copper	ND		0.0100	mg/L		06/07/23 17:57	06/08/23 11:24	1
Iron	ND		0.100	mg/L		06/07/23 17:57	06/08/23 11:24	1
Lead	ND		0.0150	mg/L		06/07/23 17:57	06/08/23 11:24	1
Manganese	ND		0.0100	mg/L		06/07/23 17:57	06/08/23 11:24	1
Nickel	ND		0.0100	mg/L		06/07/23 17:57	06/08/23 11:24	1
Sodium	ND		1.50	mg/L		06/07/23 17:57	06/08/23 11:24	1
Zinc	ND		0.0500	mg/L		06/07/23 17:57	06/08/23 11:24	1

Lab Sample ID: LCS 620-23385/2-A
Matrix: Water
Analysis Batch: 23440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.50	2.420		mg/L		97	80 - 120

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 620-23385/2-A
Matrix: Water
Analysis Batch: 23440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	2.50	2.407		mg/L		96	80 - 120
Chromium	2.50	2.336		mg/L		93	80 - 120
Copper	2.50	2.389		mg/L		96	80 - 120
Iron	2.50	2.403		mg/L		96	80 - 120
Lead	2.50	2.413		mg/L		97	80 - 120
Manganese	2.50	2.403		mg/L		96	80 - 120
Nickel	2.50	2.374		mg/L		95	80 - 120
Sodium	7.50	7.250		mg/L		97	80 - 120
Zinc	2.50	2.427		mg/L		97	80 - 120

Lab Sample ID: LCSD 620-23385/3-A
Matrix: Water
Analysis Batch: 23440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23385

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.50	2.415		mg/L		97	80 - 120	0	20
Cadmium	2.50	2.418		mg/L		97	80 - 120	0	20
Chromium	2.50	2.348		mg/L		94	80 - 120	1	20
Copper	2.50	2.401		mg/L		96	80 - 120	1	20
Iron	2.50	2.425		mg/L		97	80 - 120	1	20
Lead	2.50	2.421		mg/L		97	80 - 120	0	20
Manganese	2.50	2.424		mg/L		97	80 - 120	1	20
Nickel	2.50	2.376		mg/L		95	80 - 120	0	20
Sodium	7.50	7.290		mg/L		97	80 - 120	1	20
Zinc	2.50	2.434		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 620-23429/1-A
Matrix: Water
Analysis Batch: 23479

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23429

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		06/08/23 15:32	06/09/23 12:56	1
Cadmium	ND		0.00500	mg/L		06/08/23 15:32	06/09/23 12:56	1
Chromium	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 12:56	1
Copper	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 12:56	1
Iron	ND		0.100	mg/L		06/08/23 15:32	06/09/23 12:56	1
Lead	ND		0.0150	mg/L		06/08/23 15:32	06/09/23 12:56	1
Manganese	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 12:56	1
Nickel	ND		0.0100	mg/L		06/08/23 15:32	06/09/23 12:56	1
Sodium	ND		1.50	mg/L		06/08/23 15:32	06/09/23 12:56	1
Zinc	ND		0.0500	mg/L		06/08/23 15:32	06/09/23 12:56	1

Lab Sample ID: LCS 620-23429/29-A
Matrix: Water
Analysis Batch: 23479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23429

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.50	2.401		mg/L		96	80 - 120
Cadmium	2.50	2.608		mg/L		104	80 - 120

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 620-23429/29-A
Matrix: Water
Analysis Batch: 23479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23429

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	2.50	2.363		mg/L		95	80 - 120
Copper	2.50	2.418		mg/L		97	80 - 120
Iron	2.50	2.506		mg/L		100	80 - 120
Lead	2.50	2.568		mg/L		103	80 - 120
Manganese	2.50	2.504		mg/L		100	80 - 120
Nickel	2.50	2.465		mg/L		99	80 - 120
Sodium	7.50	7.489		mg/L		100	80 - 120
Zinc	2.50	2.566		mg/L		103	80 - 120

Lab Sample ID: LCS 620-23429/2-A
Matrix: Water
Analysis Batch: 23479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23429

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.50	2.446		mg/L		98	80 - 120
Cadmium	2.50	2.642		mg/L		106	80 - 120
Chromium	2.50	2.401		mg/L		96	80 - 120
Copper	2.50	2.452		mg/L		98	80 - 120
Iron	2.50	2.541		mg/L		102	80 - 120
Lead	2.50	2.602		mg/L		104	80 - 120
Manganese	2.50	2.547		mg/L		102	80 - 120
Nickel	2.50	2.500		mg/L		100	80 - 120
Sodium	7.50	7.584		mg/L		101	80 - 120
Zinc	2.50	2.606		mg/L		104	80 - 120

Lab Sample ID: LCS 620-23429/30-A
Matrix: Water
Analysis Batch: 23479

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23429

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.50	2.453		mg/L		98	80 - 120
Cadmium	2.50	2.663		mg/L		107	80 - 120
Chromium	2.50	2.418		mg/L		97	80 - 120
Copper	2.50	2.472		mg/L		99	80 - 120
Iron	2.50	2.562		mg/L		102	80 - 120
Lead	2.50	2.622		mg/L		105	80 - 120
Manganese	2.50	2.559		mg/L		102	80 - 120
Nickel	2.50	2.517		mg/L		101	80 - 120
Sodium	7.50	7.611		mg/L		101	80 - 120
Zinc	2.50	2.621		mg/L		105	80 - 120

Lab Sample ID: LCSD 620-23429/3-A
Matrix: Water
Analysis Batch: 23479

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23429

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.50	2.417		mg/L		97	80 - 120	1	20
Cadmium	2.50	2.622		mg/L		105	80 - 120	1	20
Chromium	2.50	2.391		mg/L		96	80 - 120	0	20

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 620-23429/3-A
 Matrix: Water
 Analysis Batch: 23479

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 23429

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	2.50	2.438		mg/L		98	80 - 120	1	20
Iron	2.50	2.533		mg/L		101	80 - 120	0	20
Lead	2.50	2.581		mg/L		103	80 - 120	1	20
Manganese	2.50	2.530		mg/L		101	80 - 120	1	20
Nickel	2.50	2.479		mg/L		99	80 - 120	1	20
Sodium	7.50	7.527		mg/L		100	80 - 120	1	20
Zinc	2.50	2.583		mg/L		103	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 620-23291/1-A
 Matrix: Water
 Analysis Batch: 23391

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 23291

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/06/23 08:33	06/08/23 07:31	1

Lab Sample ID: LCS 620-23291/2-A
 Matrix: Water
 Analysis Batch: 23391

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 23291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.004881		mg/L		98	85 - 115

Lab Sample ID: LCSD 620-23291/3-A
 Matrix: Water
 Analysis Batch: 23391

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 23291

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00500	0.004707		mg/L		94	85 - 115	4	20

Lab Sample ID: 620-11894-1 MS
 Matrix: Water
 Analysis Batch: 23391

Client Sample ID: MW-2S
 Prep Type: Total/NA
 Prep Batch: 23291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00500	0.004875		mg/L		97	80 - 120

Lab Sample ID: 620-11894-1 MSD
 Matrix: Water
 Analysis Batch: 23391

Client Sample ID: MW-2S
 Prep Type: Total/NA
 Prep Batch: 23291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.004785		mg/L		96	80 - 120	2	20

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method: 410.4 - COD

Lab Sample ID: MB 410-384685/4
Matrix: Water
Analysis Batch: 384685

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/08/23 10:32	1

Lab Sample ID: LCS 410-384685/5
Matrix: Water
Analysis Batch: 384685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	499.9		mg/L		100	90 - 110

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

GC/MS VOA

Analysis Batch: 23535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	8260C	
620-11894-2	MW-2D	Total/NA	Water	8260C	
620-11894-12	MW-4D	Total/NA	Water	8260C	
620-11894-13	MW-4S	Total/NA	Water	8260C	
620-11894-14	EB-053023	Total/NA	Water	8260C	
620-11894-15	MW-1R	Total/NA	Water	8260C	
620-11894-23	TB-053023	Total/NA	Water	8260C	
MB 620-23535/7	Method Blank	Total/NA	Water	8260C	
LCS 620-23535/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-23535/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 23577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-16	MW-3D	Total/NA	Water	8260C	
620-11894-17	MW-3D-FD	Total/NA	Water	8260C	
620-11894-18	MW-3S	Total/NA	Water	8260C	
MB 620-23577/7	Method Blank	Total/NA	Water	8260C	
LCS 620-23577/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-23577/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 383938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-4	56 Forest Edge Rd-Mid	Total/NA	Drinking Water	524.2	
620-11894-5	56 Forest Edge Rd-Inf	Total/NA	Drinking Water	524.2	
620-11894-6	56 Forest Edge Rd-Inf_FD	Total/NA	Drinking Water	524.2	
620-11894-7	685 Beecher Hill Rd-Eff	Total/NA	Drinking Water	524.2	
620-11894-8	685 Beecher Hill Rd-Mid	Total/NA	Drinking Water	524.2	
620-11894-9	685 Beecher Hill Rd-Inf	Total/NA	Drinking Water	524.2	
620-11894-10	455 North Rd	Total/NA	Drinking Water	524.2	
620-11894-11	TB-53123	Total/NA	Drinking Water	524.2	
620-11894-19	152 Forest Edge Rd-Eff	Total/NA	Drinking Water	524.2	
620-11894-20	152 Forest Edge Rd-Mid	Total/NA	Drinking Water	524.2	
620-11894-21	152 Forest Edge Rd-Inf	Total/NA	Drinking Water	524.2	
620-11894-22	56 Forest Edge Rd-Eff	Total/NA	Drinking Water	524.2	
620-11894-25	907 Beecher Hill Rd-Eff	Total/NA	Drinking Water	524.2	
620-11894-26	907 Beecher Hill Rd-Mid	Total/NA	Drinking Water	524.2	
620-11894-27	907 Beecher Hill Rd-Inf	Total/NA	Drinking Water	524.2	
MB 410-383938/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-383938/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

HPLC/IC

Analysis Batch: 387675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-387675/42	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-387675/40	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-387675/41	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	EPA 300.0 R2.1	

Eurofins New England

QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

HPLC/IC (Continued)

Analysis Batch: 388303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-388303/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-388303/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-388303/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-2	MW-2D	Total/NA	Water	EPA 300.0 R2.1	
MB 410-388360/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-388360/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-388360/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-12	MW-4D	Total/NA	Water	EPA 300.0 R2.1	
MB 410-388432/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-388432/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-388432/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 388879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-13	MW-4S	Total/NA	Water	EPA 300.0 R2.1	
620-11894-14	EB-053023	Total/NA	Water	EPA 300.0 R2.1	
620-11894-15	MW-1R	Total/NA	Water	EPA 300.0 R2.1	
620-11894-18	MW-3S	Total/NA	Water	EPA 300.0 R2.1	
MB 410-388879/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-388879/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-388879/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
620-11894-13 MS	MW-4S	Total/NA	Water	EPA 300.0 R2.1	
620-11894-13 DU	MW-4S	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 389437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-16	MW-3D	Total/NA	Water	EPA 300.0 R2.1	
620-11894-17	MW-3D-FD	Total/NA	Water	EPA 300.0 R2.1	
MB 410-389437/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-389437/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-389437/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
620-11894-16 MS	MW-3D	Total/NA	Water	EPA 300.0 R2.1	
620-11894-17 MS	MW-3D-FD	Total/NA	Water	EPA 300.0 R2.1	
620-11894-16 DU	MW-3D	Total/NA	Water	EPA 300.0 R2.1	
620-11894-17 DU	MW-3D-FD	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 23291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	7470A	
620-11894-2	MW-2D	Total/NA	Water	7470A	
620-11894-12	MW-4D	Total/NA	Water	7470A	
620-11894-13	MW-4S	Total/NA	Water	7470A	
620-11894-14	EB-053023	Total/NA	Water	7470A	

Eurofins New England

QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Metals (Continued)

Prep Batch: 23291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-15	MW-1R	Total/NA	Water	7470A	
620-11894-16	MW-3D	Total/NA	Water	7470A	
620-11894-17	MW-3D-FD	Total/NA	Water	7470A	
620-11894-18	MW-3S	Total/NA	Water	7470A	
MB 620-23291/1-A	Method Blank	Total/NA	Water	7470A	
LCS 620-23291/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 620-23291/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
620-11894-1 MS	MW-2S	Total/NA	Water	7470A	
620-11894-1 MSD	MW-2S	Total/NA	Water	7470A	

Prep Batch: 23374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	3005A	
620-11894-2	MW-2D	Total/NA	Water	3005A	
620-11894-12	MW-4D	Total/NA	Water	3005A	
MB 620-23374/1-A	Method Blank	Total/NA	Water	3005A	
LCS 620-23374/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 620-23374/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Prep Batch: 23385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-13	MW-4S	Total/NA	Water	3005A	
MB 620-23385/1-A	Method Blank	Total/NA	Water	3005A	
LCS 620-23385/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 620-23385/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 23391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	7470A	23291
620-11894-2	MW-2D	Total/NA	Water	7470A	23291
620-11894-12	MW-4D	Total/NA	Water	7470A	23291
620-11894-13	MW-4S	Total/NA	Water	7470A	23291
620-11894-14	EB-053023	Total/NA	Water	7470A	23291
620-11894-15	MW-1R	Total/NA	Water	7470A	23291
620-11894-16	MW-3D	Total/NA	Water	7470A	23291
620-11894-17	MW-3D-FD	Total/NA	Water	7470A	23291
620-11894-18	MW-3S	Total/NA	Water	7470A	23291
MB 620-23291/1-A	Method Blank	Total/NA	Water	7470A	23291
LCS 620-23291/2-A	Lab Control Sample	Total/NA	Water	7470A	23291
LCSD 620-23291/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	23291
620-11894-1 MS	MW-2S	Total/NA	Water	7470A	23291
620-11894-1 MSD	MW-2S	Total/NA	Water	7470A	23291

Prep Batch: 23429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-14	EB-053023	Total/NA	Water	3005A	
620-11894-15	MW-1R	Total/NA	Water	3005A	
620-11894-16	MW-3D	Total/NA	Water	3005A	
620-11894-17	MW-3D-FD	Total/NA	Water	3005A	
620-11894-18	MW-3S	Total/NA	Water	3005A	
MB 620-23429/1-A	Method Blank	Total/NA	Water	3005A	

Eurofins New England

QC Association Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Metals (Continued)

Prep Batch: 23429 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 620-23429/29-A	Lab Control Sample	Total/NA	Water	3005A	
LCS 620-23429/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCS 620-23429/30-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 620-23429/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 23440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	6010D	23374
620-11894-2	MW-2D	Total/NA	Water	6010D	23374
620-11894-12	MW-4D	Total/NA	Water	6010D	23374
620-11894-13	MW-4S	Total/NA	Water	6010D	23385
MB 620-23374/1-A	Method Blank	Total/NA	Water	6010D	23374
MB 620-23385/1-A	Method Blank	Total/NA	Water	6010D	23385
LCS 620-23374/2-A	Lab Control Sample	Total/NA	Water	6010D	23374
LCS 620-23385/2-A	Lab Control Sample	Total/NA	Water	6010D	23385
LCSD 620-23374/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	23374
LCSD 620-23385/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	23385

Analysis Batch: 23479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-23429/1-A	Method Blank	Total/NA	Water	6010D	23429
LCS 620-23429/29-A	Lab Control Sample	Total/NA	Water	6010D	23429
LCS 620-23429/2-A	Lab Control Sample	Total/NA	Water	6010D	23429
LCS 620-23429/30-A	Lab Control Sample	Total/NA	Water	6010D	23429
LCSD 620-23429/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	23429

Analysis Batch: 23512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-14	EB-053023	Total/NA	Water	6010D	23429
620-11894-15	MW-1R	Total/NA	Water	6010D	23429
620-11894-16	MW-3D	Total/NA	Water	6010D	23429
620-11894-17	MW-3D-FD	Total/NA	Water	6010D	23429
620-11894-18	MW-3S	Total/NA	Water	6010D	23429

General Chemistry

Analysis Batch: 384685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-11894-1	MW-2S	Total/NA	Water	410.4	
620-11894-2	MW-2D	Total/NA	Water	410.4	
620-11894-12	MW-4D	Total/NA	Water	410.4	
620-11894-13	MW-4S	Total/NA	Water	410.4	
620-11894-14	EB-053023	Total/NA	Water	410.4	
620-11894-15	MW-1R	Total/NA	Water	410.4	
620-11894-16	MW-3D	Total/NA	Water	410.4	
620-11894-17	MW-3D-FD	Total/NA	Water	410.4	
620-11894-18	MW-3S	Total/NA	Water	410.4	
MB 410-384685/4	Method Blank	Total/NA	Water	410.4	
LCS 410-384685/5	Lab Control Sample	Total/NA	Water	410.4	

Lab Chronicle

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-2S

Date Collected: 05/30/23 11:32

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23535	CLR	EET NE	06/13/23 00:39
Total/NA	Analysis	EPA 300.0 R2.1		5	388303	L4QM	ELLE	06/19/23 23:06
Total/NA	Prep	3005A			23374	DWC	EET NE	06/07/23 15:35
Total/NA	Analysis	6010D		1	23440	JPC	EET NE	06/08/23 16:30
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:33
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:05
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 11:35

Client Sample ID: MW-2D

Date Collected: 05/30/23 14:00

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23535	CLR	EET NE	06/13/23 01:05
Total/NA	Analysis	EPA 300.0 R2.1		5	388360	L4QM	ELLE	06/19/23 19:21
Total/NA	Prep	3005A			23374	DWC	EET NE	06/07/23 15:35
Total/NA	Analysis	6010D		1	23440	JPC	EET NE	06/08/23 16:36
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:33
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:15
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 11:42

Client Sample ID: 56 Forest Edge Rd-Mid

Date Collected: 05/31/23 15:31

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 17:24

Client Sample ID: 56 Forest Edge Rd-Inf

Date Collected: 05/31/23 15:32

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 17:48

Client Sample ID: 56 Forest Edge Rd-Inf_FD

Date Collected: 05/31/23 15:32

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 18:12

Lab Chronicle

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 685 Beecher Hill Rd-Eff
 Date Collected: 05/31/23 16:20
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-7
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 18:35

Client Sample ID: 685 Beecher Hill Rd-Mid
 Date Collected: 05/31/23 16:21
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-8
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 18:59

Client Sample ID: 685 Beecher Hill Rd-Inf
 Date Collected: 05/31/23 16:22
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-9
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 19:23

Client Sample ID: 455 North Rd
 Date Collected: 05/31/23 17:10
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-10
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 19:47

Client Sample ID: TB-53123
 Date Collected: 05/31/23 18:00
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-11
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 17:00

Client Sample ID: MW-4D
 Date Collected: 05/30/23 14:20
 Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-12
 Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23535	CLR	EET NE	06/13/23 01:32
Total/NA	Analysis	EPA 300.0 R2.1		5	388432	W7FX	ELLE	06/20/23 18:48
Total/NA	Prep	3005A			23374	DWC	EET NE	06/07/23 15:35
Total/NA	Analysis	6010D		1	23440	JPC	EET NE	06/08/23 16:42
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:33
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:17
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 11:43

Lab Chronicle

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-4S
Date Collected: 05/30/23 16:25
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23535	CLR	EET NE	06/13/23 01:58
Total/NA	Analysis	EPA 300.0 R2.1		5	388879	L4QM	ELLE	06/21/23 09:41
Total/NA	Prep	3005A			23385	DWC	EET NE	06/07/23 17:57
Total/NA	Analysis	6010D		1	23440	JPC	EET NE	06/08/23 14:14
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:33
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:19
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 11:56

Client Sample ID: EB-053023
Date Collected: 05/30/23 17:45
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23535	CLR	EET NE	06/13/23 02:24
Total/NA	Analysis	EPA 300.0 R2.1		1	388879	L4QM	ELLE	06/21/23 11:37
Total/NA	Prep	3005A			23429	DWC	EET NE	06/08/23 15:32
Total/NA	Analysis	6010D		1	23512	PRB	EET NE	06/09/23 15:11
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:33
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:21
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 11:58

Client Sample ID: MW-1R
Date Collected: 05/30/23 16:31
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23535	CLR	EET NE	06/13/23 02:51
Total/NA	Analysis	EPA 300.0 R2.1		5	388879	L4QM	ELLE	06/21/23 10:39
Total/NA	Prep	3005A			23429	DWC	EET NE	06/08/23 15:32
Total/NA	Analysis	6010D		1	23512	PRB	EET NE	06/09/23 15:17
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:34
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:23
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 11:59

Client Sample ID: MW-3D
Date Collected: 05/31/23 13:15
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23577	CLR	EET NE	06/13/23 21:49
Total/NA	Analysis	EPA 300.0 R2.1		10	389437	L4QM	ELLE	06/22/23 17:50
Total/NA	Prep	3005A			23429	DWC	EET NE	06/08/23 15:32
Total/NA	Analysis	6010D		1	23512	PRB	EET NE	06/09/23 15:35

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: MW-3D

Date Collected: 05/31/23 13:15

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:34
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:25
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 12:00

Client Sample ID: MW-3D-FD

Date Collected: 05/31/23 13:15

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23577	CLR	EET NE	06/13/23 22:16
Total/NA	Analysis	EPA 300.0 R2.1		10	389437	L4QM	ELLE	06/22/23 16:07
Total/NA	Prep	3005A			23429	DWC	EET NE	06/08/23 15:32
Total/NA	Analysis	6010D		1	23512	PRB	EET NE	06/09/23 15:41
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:34
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:26
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 12:06

Client Sample ID: MW-3S

Date Collected: 05/31/23 11:20

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23577	CLR	EET NE	06/13/23 22:42
Total/NA	Analysis	EPA 300.0 R2.1		5	388879	L4QM	ELLE	06/21/23 11:13
Total/NA	Prep	3005A			23429	DWC	EET NE	06/08/23 16:08
Total/NA	Analysis	6010D		1	23512	PRB	EET NE	06/09/23 16:57
Total/NA	Prep	7470A			23291	PRB	EET NE	06/06/23 08:34
Total/NA	Analysis	7470A		1	23391	PRB	EET NE	06/08/23 08:28
Total/NA	Analysis	410.4		1	384685	USAE	ELLE	06/08/23 12:07

Client Sample ID: 152 Forest Edge Rd-Eff

Date Collected: 05/31/23 14:47

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-19

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 20:11

Client Sample ID: 152 Forest Edge Rd-Mid

Date Collected: 05/31/23 14:48

Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-20

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 20:35

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Client Sample ID: 152 Forest Edge Rd-Inf
Date Collected: 05/31/23 14:49
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-21
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 20:59

Client Sample ID: 56 Forest Edge Rd-Eff
Date Collected: 05/31/23 15:30
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-22
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 21:23

Client Sample ID: TB-053023
Date Collected: 05/30/23 18:00
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	23535	CLR	EET NE	06/12/23 20:43

Client Sample ID: 907 Beecher Hill Rd-Eff
Date Collected: 06/01/23 09:42
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-25
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 21:46

Client Sample ID: 907 Beecher Hill Rd-Mid
Date Collected: 06/01/23 09:43
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-26
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 22:10

Client Sample ID: 907 Beecher Hill Rd-Inf
Date Collected: 06/01/23 09:54
Date Received: 06/02/23 09:15

Lab Sample ID: 620-11894-27
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	383938	UJML	ELLE	06/07/23 22:34

Laboratory References:

EET NE = Eurofins New England, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Laboratory: Eurofins New England

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0722	06-30-24
Maine	State	RI00100	04-17-23 *
Massachusetts	State	M-RI907	06-30-23
New Hampshire	NELAP	2240	08-03-23
New Jersey	NELAP	RI008	06-30-23
New York	NELAP	11393	04-01-24
Rhode Island	State	LAI00368	12-31-23

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
410.4		Water	Chemical Oxygen Demand
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	di-Isopropyl ether
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl t-butyl ether
524.2		Drinking Water	Freon 113
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	t-Amyl methyl ether
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	Tetrahydrofuran

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE
8260C	Volatile Organic Compounds by GC/MS	SW846	EET NE
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6010D	Metals (ICP)	SW846	EET NE
7470A	Mercury (CVAA)	SW846	EET NE
410.4	COD	EPA	ELLE
3005A	Preparation, Total Metals	SW846	EET NE
5030C	Purge and Trap	SW846	EET NE
7470A	Preparation, Mercury	SW846	EET NE

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET NE = Eurofins New England, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-11894-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-11894-1	MW-2S	Water	05/30/23 11:32	06/02/23 09:15
620-11894-2	MW-2D	Water	05/30/23 14:00	06/02/23 09:15
620-11894-4	56 Forest Edge Rd-Mid	Drinking Water	05/31/23 15:31	06/02/23 09:15
620-11894-5	56 Forest Edge Rd-Inf	Drinking Water	05/31/23 15:32	06/02/23 09:15
620-11894-6	56 Forest Edge Rd-Inf_FD	Drinking Water	05/31/23 15:32	06/02/23 09:15
620-11894-7	685 Beecher Hill Rd-Eff	Drinking Water	05/31/23 16:20	06/02/23 09:15
620-11894-8	685 Beecher Hill Rd-Mid	Drinking Water	05/31/23 16:21	06/02/23 09:15
620-11894-9	685 Beecher Hill Rd-Inf	Drinking Water	05/31/23 16:22	06/02/23 09:15
620-11894-10	455 North Rd	Drinking Water	05/31/23 17:10	06/02/23 09:15
620-11894-11	TB-53123	Drinking Water	05/31/23 18:00	06/02/23 09:15
620-11894-12	MW-4D	Water	05/30/23 14:20	06/02/23 09:15
620-11894-13	MW-4S	Water	05/30/23 16:25	06/02/23 09:15
620-11894-14	EB-053023	Water	05/30/23 17:45	06/02/23 09:15
620-11894-15	MW-1R	Water	05/30/23 16:31	06/02/23 09:15
620-11894-16	MW-3D	Water	05/31/23 13:15	06/02/23 09:15
620-11894-17	MW-3D-FD	Water	05/31/23 13:15	06/02/23 09:15
620-11894-18	MW-3S	Water	05/31/23 11:20	06/02/23 09:15
620-11894-19	152 Forest Edge Rd-Eff	Drinking Water	05/31/23 14:47	06/02/23 09:15
620-11894-20	152 Forest Edge Rd-Mid	Drinking Water	05/31/23 14:48	06/02/23 09:15
620-11894-21	152 Forest Edge Rd-Inf	Drinking Water	05/31/23 14:49	06/02/23 09:15
620-11894-22	56 Forest Edge Rd-Eff	Drinking Water	05/31/23 15:30	06/02/23 09:15
620-11894-23	TB-053023	Water	05/30/23 18:00	06/02/23 09:15
620-11894-25	907 Beecher Hill Rd-Eff	Drinking Water	06/01/23 09:42	06/02/23 09:15
620-11894-26	907 Beecher Hill Rd-Mid	Drinking Water	06/01/23 09:43	06/02/23 09:15
620-11894-27	907 Beecher Hill Rd-Inf	Drinking Water	06/01/23 09:54	06/02/23 09:15

OPLE RECEIVING
AMERICA
COMMUNITY DRIVE

VT 05401
ES US

ACTWGT: 48.00 LB MAN
CAD: 000890364/CAFE3621
DIMS: 24x14x16 IN

BILL RECIPIENT

Part # 150469-434 MTWY EXP 12/23

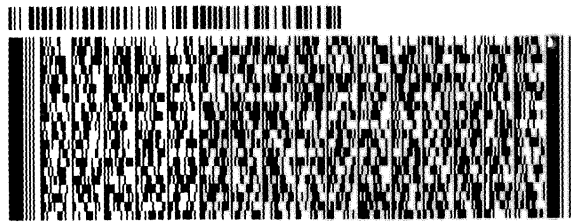
330

10:30
10:30
10:30

OPLE RECEIVING
ROFINS NEW ENGLAND
46 CAMP AVE

NORTH KINGSTOWN RI 02852

INV: REF: DEPT:
PO:



FedEx
Express



2 of 3

FRI - 02 JUN 10:30A
PRIORITY OVERNIGHT

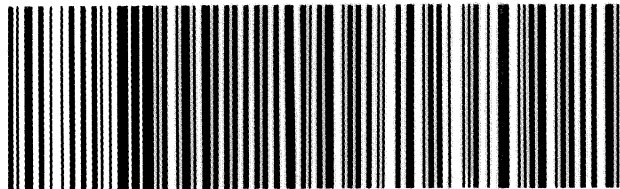
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Mstr# 6456 6136 6241

0201

XE NCOA

02852
RI-US PVD



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- 15

SAMPLE RECEIVING
TEST AMERICA
530 COMMUNITY DRIVE
SUITE 11
BURLINGTON, VT 05401
UNITED STATES US

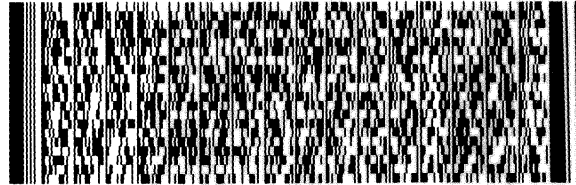
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CAD: 000890364/CAFE3621
DIMS: 24x14x16 IN
BILL RECIPIENT

Part # 159489-434 MTW EXP 12/23
VCS VTBOR CUB33

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

INU: REF: DEPT:
PO:



FedEx
Express



VCS VTBOR CUB33

3 of 3

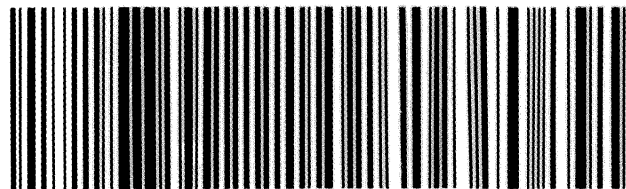
FRI - 02 JUN 10:30A
PRIORITY OVERNIGHT

MPS# 6456 6136 6263
0263

Mstr# 6456 6136 6241 0201

XE NCOA

02852
RI-US PVD



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler:	Lab PM	Carrier Tracking No(s)	COC No:																										
Client Contact: Shipping/Receiving		Phone:	Huntley, Agnes R		620-9824.2																										
Company: Eurofins Lancaster Laboratories Environm		Address: 2425 New Holland Pike,	E-Mail: Agnes.Huntley@et.eurofinsus.com	State of Origin: Vermont	Page: Page 2 of 3																										
Due Date Requested: 6/15/2023		TAT Requested (days):	Accreditations Required (See note). State - Vermont		Job #: 620-11894-2																										
City: Lancaster		State, Zip: PA, 17601	Analysis Requested																												
Phone: 717-656-2300(Tel)		PG #:																													
Email:		WO #:	<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>PFC_IDA/3535_PFC PFAS list of 24</td> <td>PRE_SCREEN_PPFA/PPAS_PreScn_W_P</td> <td>537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18</td> <td>PRE_SCREEN</td> <td rowspan="2">Total Number of containers</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24	PRE_SCREEN_PPFA/PPAS_PreScn_W_P	537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18	PRE_SCREEN	Total Number of containers																			
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24				PRE_SCREEN_PPFA/PPAS_PreScn_W_P	537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18	PRE_SCREEN	Total Number of containers																						
Project Name: Town of Hinesburg Landfill - Hinesburg.		Project #: 62000809	<table border="1"> <tr> <td>A - HCL</td> <td>M - Hexane</td> </tr> <tr> <td>B - NaOH</td> <td>N - None</td> </tr> <tr> <td>C - Zn Acetate</td> <td>O - AsNaO2</td> </tr> <tr> <td>D - Nitric Acid</td> <td>P - Na2O4S</td> </tr> <tr> <td>E - NaHSO4</td> <td>Q - Na2SO3</td> </tr> <tr> <td>F - MeOH</td> <td>R - Na2S2O3</td> </tr> <tr> <td>G - Amchlor</td> <td>S - H2SO4</td> </tr> <tr> <td>H - Ascorbic Acid</td> <td>T - TSP Dodecahydrate</td> </tr> <tr> <td>I - Ice</td> <td>U - Acetone</td> </tr> <tr> <td>J - DI Water</td> <td>V - MCAA</td> </tr> <tr> <td>K - EDTA</td> <td>W - pH 4-5</td> </tr> <tr> <td>L - EDA</td> <td>Y - Trizma</td> </tr> <tr> <td></td> <td>Z - other (specify)</td> </tr> </table>			A - HCL	M - Hexane	B - NaOH	N - None	C - Zn Acetate	O - AsNaO2	D - Nitric Acid	P - Na2O4S	E - NaHSO4	Q - Na2SO3	F - MeOH	R - Na2S2O3	G - Amchlor	S - H2SO4	H - Ascorbic Acid	T - TSP Dodecahydrate	I - Ice	U - Acetone	J - DI Water	V - MCAA	K - EDTA	W - pH 4-5	L - EDA	Y - Trizma		Z - other (specify)
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																														
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K - EDTA	W - pH 4-5																														
L - EDA	Y - Trizma																														
	Z - other (specify)																														
Site:		SSOW#:	Other:																												
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, D=dewater, BT=Tissue, A=Air)	Preservation Code:	Special Instructions/Note:																								
455 North Rd (620-11894-10)		5/31/23	17:10 Eastern		Drinking Water		5 VT VGES/MCL																								
TB-53123 (620-11894-11)		5/31/23	18:00 Eastern		Drinking Water		2																								
MW-4D (620-11894-12)		5/30/23	14:20 Eastern		Water	X X	2																								
MW-4S (620-11894-13)		5/30/23	16:25 Eastern		Water	X X	4																								
EB-053023 (620-11894-14)		5/30/23	17:45 Eastern		Water	X X	4																								
MW-1R (620-11894-15)		5/30/23	16:31 Eastern		Water	X X	4																								
MW-3D (620-11894-16)		5/31/23	13:15 Eastern		Water	X X	4																								
MW-3D-FD (620-11894-17)		5/31/23	13:15 Eastern		Water	X X	3																								
MW-3S (620-11894-18)		5/31/23	11:20 Eastern		Water	X X	4																								
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.</p>																															
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																												
Unconfirmed			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																												
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	Special Instructions/QC Requirements:																												
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:																											
Relinquished by: <i>[Signature]</i>		Date/Time: 6/11/23 17:40	Company: <i>[Signature]</i>	Received by: <i>[Signature]</i>																											
Relinquished by: <i>[Signature]</i>		Date/Time:	Company:	Received by: <i>[Signature]</i>																											
Relinquished by: <i>[Signature]</i>		Date/Time:	Company:	Received by: <i>[Signature]</i>																											
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																											



Eurofins New England
 646 Camp Ave
 North Kingstown, RI 02852
 Phone: 413-789-9018

Chain of Custody Record



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Client Information (Sub Contract Lab)		Sampler:	Lab PM: Huntley, Agnes R	Carrier Tracking No(s):	COC No: 620-9824.1							
Client Contact: Shipping/Receiving		Phone:	E-Mail: Agnes.Huntley@et.eurofinsus.com	State of Origin: Vermont	Page: Page 1 of 3							
Company: Eurofins Lancaster Laboratories Environm			Accreditations Required (See note): State - Vermont		Job #: 620-11894-1							
Address: 2425 New Holland Pike, City: Lancaster State, Zip PA, 17601 Phone: 717-656-2300(Tel) Email:		Due Date Requested: 6/15/2023 TAT Requested (days):	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 - Na2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:						
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:		Project #: 62000809 SSOW#										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4	300_ORGFM_28DI (MOD) Copy Analytes	524.2_Preserved (MOD) Regulated + THM's	Total Number of containers	Special Instructions/Note:
				Preservation Code:								
MW-2S (620-11894-1)		5/30/23	11:32 Eastern		Water		X	X				4
MW-2D (620-11894-2)		5/30/23	14:00 Eastern		Water		X	X				4
56 Forest Edge Rd-Mid (620-11894-4)		5/31/23	15:31 Eastern		Drinking Water				X			4
56 Forest Edge Rd-Inf (620-11894-5)		5/31/23	15:32 Eastern		Drinking Water				X			4
56 Forest Edge Rd-Inf_FD (620-11894-6)		5/31/23	15:32 Eastern		Drinking Water				X			5
685 Beecher Hill Rd-Eff (620-11894-7)		5/31/23	16:20 Eastern		Drinking Water				X			5
685 Beecher Hill Rd-Mid (620-11894-8)		5/31/23	16:21 Eastern		Drinking Water				X			5
685 Beecher Hill Rd-Inf (620-11894-9)		5/31/23	16:22 Eastern		Drinking Water				X			5
455 North Rd (620-11894-10)		5/31/23	17:10 Eastern		Drinking Water				X			5
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC</p>												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2			Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:						
Relinquished by: <i>[Signature]</i>		Date/Time: 6/2/23 15:40		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Date/Time:		Company:		
Relinquished by: <i>[Signature]</i>		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time:		Company:		
Relinquished by: <i>[Signature]</i>		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 6-5-23 0945		Company: <i>[Signature]</i>		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>RAW 1.3 - 5.3</i>								

Ver: 06/08/2021



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: Huntley, Agnes R		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-9824.2			
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofinsus.com		State of Origin: Vermont		Page: Page 2 of 3			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Vermont				Job #: 620-11894-1			
Address: 2425 New Holland Pike,		Due Date Requested: 6/15/2023		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:	
City: Lancaster		TAT Requested (days):									
State, Zip: PA, 17601		PO #:									
Phone: 717-656-2300(Tel)		WO #:									
Email:											
Project Name: Town of Hinesburg Landfill - Hinesburg,		Project #: 62000809		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers			
Site:		SSOW#:		410.4		300_ORGFM_280/ (MOD) Copy Analytes					
				524.2_Preserved/ (MOD) Regulated + THM's							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)			
								Preservation Code:			
TB-53123 (620-11894-11)		5/31/23		18:00 Eastern		Drinking Water		X			
MW-4D (620-11894-12)		5/30/23		14:20 Eastern		Water		X X			
MW-4S (620-11894-13)		5/30/23		16:25 Eastern		Water		X X			
EB-053023 (620-11894-14)		5/30/23		17:45 Eastern		Water		X X			
MW-1R (620-11894-15)		5/30/23		16:31 Eastern		Water		X X			
MW-3D (620-11894-16)		5/31/23		13:15 Eastern		Water		X X			
MW-3D-FD (620-11894-17)		5/31/23		13:15 Eastern		Water		X X			
MW-3S (620-11894-18)		5/31/23		11:20 Eastern		Water		X X			
152 Forest Edge Rd-Eff (620-11894-19)		5/31/23		14:47 Eastern		Drinking Water		X			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.											
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: 6/26/23 12:40		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Date/Time: _____			
Relinquished by: <i>[Signature]</i>		Date/Time: _____		Company: _____		Received by: <i>[Signature]</i>		Date/Time: _____			
Relinquished by: <i>[Signature]</i>		Date/Time: _____		Company: _____		Received by: <i>[Signature]</i>		Date/Time: 6-3-23 0945			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: Raw 1.3 - 5.3							

Ver: 06/08/2021



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-9824.3				
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofinsus.com		State of Origin: Vermont		Page: Page 3 of 3				
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note) State - Vermont				Job #: 620-11894-1				
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email:		Due Date Requested: 6/15/2023 TAT Requested (days):		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 Dodcahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify) Other:				
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:		Project #: 62000809 SSOW#:										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	410.4	300_ORGFM_28DI (MOD) Copy Analytes	524.2_Preserved/ (MOD) Regulated + THM's	Total Number of containers	Special Instructions/Note:
				Preservation Code:								
152 Forest Edge Rd-Mid (620-11894-20)		5/31/23	14:48 Eastern	Drinking Water					X			5
152 Forest Edge Rd-Inf (620-11894-21)		5/31/23	14:49 Eastern	Drinking Water					X			5
56 Forest Edge Rd-Eff (620-11894-22)		5/31/23	15:30 Eastern	Drinking Water					X			3
907 Beecher Hill Rd-Eff (620-11894-25)		6/1/23	09:42 Eastern	Drinking Water					X			3
907 Beecher Hill Rd-Mid (620-11894-26)		6/1/23	09:43 Eastern	Drinking Water					X			5
907 Beecher Hill Rd-Inf (620-11894-27)		6/1/23	09:54 Eastern	Drinking Water					X			4
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC</p>												
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:					
Relinquished by: <i>[Signature]</i>		Date/Time: 6/2/23 19:40		Company: <i>[Signature]</i>		Received by:		Date/Time:		Company:		
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time:		Company:		
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: 6-3-23 0945		Company: <i>[Signature]</i>		
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: Raw 1.3 - 5.3								

AK



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-11894-1

Login Number: 11894

List Number: 1

Creator: Makhoul, Elie

List Source: Eurofins New England

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	
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 <math><6\text{mm}</math> (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: Stone Environmental

Job Number: 620-11894-1

Login Number: 11894
List Number: 2
Creator: Kanagy, Nicholas

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 06/03/23 03:00 PM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (<=/6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (<=/6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



Sample Login Acknowledgement

Job 620-12778-1

Client Job Description: Town of Hinesburg Landfill - Hinesburg, Purchase Order #: 20211205 Work Order #: 20211205 Project Manager: Agnes R Huntley Job Due Date: 7/21/2023 Job TAT: 5 Days Max Deliverable Level: II Earliest Deliverable Due: 7/21/2023	Report To: Stone Environmental Katrina Mattice 535 Stone Cutters Way Montpelier, VT 05602 Bill To: Stone Environmental Accounts Payable 535 Stone Cutters Way Montpelier, VT 05602
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Login 620-12778

Sample Receipt: 7/14/2023 9:52:00 AM	Number of Coolers: 1
Method of Delivery: FedEx Priority Overnight	Cooler Temperature(s) (C°): 4.2;

Lab Sample #	Client Sample ID	Date Sampled	Matrix	Rpt Basis	Dry / Wet **
Method	Method Description / Work Location				
620-12778-1	152 Forest Edge - EFF	7/13/2023 11:00:00 AM	Drinking Water		
524.2_Preserved	Regulated + THM's / Eurofins Lancaster Laboratories Environment Testing, LLC			Total	Wet

* Method on-hold

** Wet/Dry indicates whether the reported results will be corrected for moisture content, and based on sample Wet weight or Dry weight.



ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Katrina Mattice
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 6/27/2023 9:30:46 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-12139-1

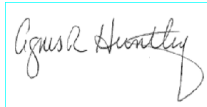
Eurofins New England

Job Notes

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

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

Authorization



Generated
6/27/2023 9:30:46 PM

Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)372-3482



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Definitions/Glossary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Glossary

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

Case Narrative

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Job ID: 620-12139-1

Laboratory: Eurofins New England

Narrative

**Job Narrative
620-12139-1**

Receipt

The samples were received on 6/15/2023 9:34 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 1.0° C.

GC/MS VOA

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

LCMS

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

Organic Prep

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
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- 12
- 13
- 14
- 15

Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 182 Forest Edge **Lab Sample ID: 620-12139-1**

No Detections.

Client Sample ID: 714 Beecher Hill **Lab Sample ID: 620-12139-2**

No Detections.

Client Sample ID: 206 Forest Edge **Lab Sample ID: 620-12139-3**

No Detections.

Client Sample ID: 206 Forest Edge-FD **Lab Sample ID: 620-12139-4**

No Detections.

Client Sample ID: 794 Beecher Hill **Lab Sample ID: 620-12139-5**

No Detections.

Client Sample ID: 413 North Rd **Lab Sample ID: 620-12139-6**

No Detections.

Client Sample ID: Trip Blank **Lab Sample ID: 620-12139-7**

No Detections.

Client Sample ID: 490 North Rd **Lab Sample ID: 620-12139-8**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins New England



Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 182 Forest Edge

Lab Sample ID: 620-12139-1

Date Collected: 06/14/23 09:55

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 10:22	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 10:22	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 10:22	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 10:22	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 10:22	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 10:22	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 10:22	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 10:22	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 10:22	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 10:22	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 10:22	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 10:22	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 10:22	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 10:22	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 10:22	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 10:22	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 10:22	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 10:22	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 10:22	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 10:22	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 10:22	1
2-Butanone	ND		5.00	ug/L			06/22/23 10:22	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 10:22	1
2-Hexanone	ND		5.00	ug/L			06/22/23 10:22	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 10:22	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 10:22	1
Acetone	ND		10.0	ug/L			06/22/23 10:22	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 10:22	1
Benzene	ND		0.500	ug/L			06/22/23 10:22	1
Bromobenzene	ND		0.500	ug/L			06/22/23 10:22	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 10:22	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 10:22	1
Bromoform	ND		0.500	ug/L			06/22/23 10:22	1
Bromomethane	ND		0.500	ug/L			06/22/23 10:22	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 10:22	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 10:22	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 10:22	1
Chloroethane	ND		0.500	ug/L			06/22/23 10:22	1
Chloroform	ND		0.500	ug/L			06/22/23 10:22	1
Chloromethane	ND		0.500	ug/L			06/22/23 10:22	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 10:22	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 10:22	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 10:22	1
Dibromomethane	ND		0.500	ug/L			06/22/23 10:22	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 10:22	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 10:22	1
Ethyl ether	ND		0.500	ug/L			06/22/23 10:22	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 10:22	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 10:22	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 182 Forest Edge

Lab Sample ID: 620-12139-1

Date Collected: 06/14/23 09:55

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 10:22	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 10:22	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 10:22	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 10:22	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 10:22	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 10:22	1
Naphthalene	ND		0.500	ug/L			06/22/23 10:22	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 10:22	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 10:22	1
o-Xylene	ND		0.500	ug/L			06/22/23 10:22	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 10:22	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 10:22	1
Styrene	ND		0.500	ug/L			06/22/23 10:22	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 10:22	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 10:22	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 10:22	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 10:22	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 10:22	1
Toluene	ND		0.500	ug/L			06/22/23 10:22	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 10:22	1
Trichloroethene	ND		0.500	ug/L			06/22/23 10:22	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 10:22	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 10:22	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 10:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120		06/22/23 10:22	1
4-Bromofluorobenzene (Surr)	104		80 - 120		06/22/23 10:22	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 714 Beecher Hill

Lab Sample ID: 620-12139-2

Date Collected: 06/14/23 10:28

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 10:46	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 10:46	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 10:46	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 10:46	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 10:46	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 10:46	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 10:46	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 10:46	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 10:46	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 10:46	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 10:46	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 10:46	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 10:46	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 10:46	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 10:46	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 10:46	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 10:46	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 10:46	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 10:46	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 10:46	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 10:46	1
2-Butanone	ND		5.00	ug/L			06/22/23 10:46	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 10:46	1
2-Hexanone	ND		5.00	ug/L			06/22/23 10:46	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 10:46	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 10:46	1
Acetone	ND		10.0	ug/L			06/22/23 10:46	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 10:46	1
Benzene	ND		0.500	ug/L			06/22/23 10:46	1
Bromobenzene	ND		0.500	ug/L			06/22/23 10:46	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 10:46	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 10:46	1
Bromoform	ND		0.500	ug/L			06/22/23 10:46	1
Bromomethane	ND		0.500	ug/L			06/22/23 10:46	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 10:46	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 10:46	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 10:46	1
Chloroethane	ND		0.500	ug/L			06/22/23 10:46	1
Chloroform	ND		0.500	ug/L			06/22/23 10:46	1
Chloromethane	ND		0.500	ug/L			06/22/23 10:46	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 10:46	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 10:46	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 10:46	1
Dibromomethane	ND		0.500	ug/L			06/22/23 10:46	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 10:46	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 10:46	1
Ethyl ether	ND		0.500	ug/L			06/22/23 10:46	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 10:46	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 10:46	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 714 Beecher Hill

Lab Sample ID: 620-12139-2

Date Collected: 06/14/23 10:28

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 10:46	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 10:46	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 10:46	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 10:46	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 10:46	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 10:46	1
Naphthalene	ND		0.500	ug/L			06/22/23 10:46	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 10:46	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 10:46	1
o-Xylene	ND		0.500	ug/L			06/22/23 10:46	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 10:46	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 10:46	1
Styrene	ND		0.500	ug/L			06/22/23 10:46	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 10:46	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 10:46	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 10:46	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 10:46	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 10:46	1
Toluene	ND		0.500	ug/L			06/22/23 10:46	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 10:46	1
Trichloroethene	ND		0.500	ug/L			06/22/23 10:46	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 10:46	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 10:46	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		06/22/23 10:46	1
4-Bromofluorobenzene (Surr)	107		80 - 120		06/22/23 10:46	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 206 Forest Edge

Lab Sample ID: 620-12139-3

Date Collected: 06/14/23 10:48

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 11:09	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 11:09	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 11:09	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 11:09	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 11:09	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 11:09	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 11:09	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 11:09	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 11:09	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 11:09	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 11:09	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 11:09	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 11:09	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:09	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 11:09	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 11:09	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 11:09	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:09	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 11:09	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:09	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 11:09	1
2-Butanone	ND		5.00	ug/L			06/22/23 11:09	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 11:09	1
2-Hexanone	ND		5.00	ug/L			06/22/23 11:09	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 11:09	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 11:09	1
Acetone	ND		10.0	ug/L			06/22/23 11:09	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 11:09	1
Benzene	ND		0.500	ug/L			06/22/23 11:09	1
Bromobenzene	ND		0.500	ug/L			06/22/23 11:09	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 11:09	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 11:09	1
Bromoform	ND		0.500	ug/L			06/22/23 11:09	1
Bromomethane	ND		0.500	ug/L			06/22/23 11:09	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 11:09	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 11:09	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 11:09	1
Chloroethane	ND		0.500	ug/L			06/22/23 11:09	1
Chloroform	ND		0.500	ug/L			06/22/23 11:09	1
Chloromethane	ND		0.500	ug/L			06/22/23 11:09	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 11:09	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 11:09	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 11:09	1
Dibromomethane	ND		0.500	ug/L			06/22/23 11:09	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 11:09	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 11:09	1
Ethyl ether	ND		0.500	ug/L			06/22/23 11:09	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 11:09	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 11:09	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 206 Forest Edge

Lab Sample ID: 620-12139-3

Date Collected: 06/14/23 10:48

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 11:09	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 11:09	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 11:09	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 11:09	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 11:09	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 11:09	1
Naphthalene	ND		0.500	ug/L			06/22/23 11:09	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 11:09	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 11:09	1
o-Xylene	ND		0.500	ug/L			06/22/23 11:09	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 11:09	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 11:09	1
Styrene	ND		0.500	ug/L			06/22/23 11:09	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 11:09	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 11:09	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 11:09	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 11:09	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 11:09	1
Toluene	ND		0.500	ug/L			06/22/23 11:09	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 11:09	1
Trichloroethene	ND		0.500	ug/L			06/22/23 11:09	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 11:09	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 11:09	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		06/22/23 11:09	1
4-Bromofluorobenzene (Surr)	104		80 - 120		06/22/23 11:09	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 206 Forest Edge-FD

Lab Sample ID: 620-12139-4

Date Collected: 06/14/23 10:48

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 11:33	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 11:33	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 11:33	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 11:33	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 11:33	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 11:33	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 11:33	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 11:33	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 11:33	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 11:33	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 11:33	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 11:33	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 11:33	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:33	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 11:33	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 11:33	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 11:33	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:33	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 11:33	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:33	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 11:33	1
2-Butanone	ND		5.00	ug/L			06/22/23 11:33	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 11:33	1
2-Hexanone	ND		5.00	ug/L			06/22/23 11:33	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 11:33	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 11:33	1
Acetone	ND		10.0	ug/L			06/22/23 11:33	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 11:33	1
Benzene	ND		0.500	ug/L			06/22/23 11:33	1
Bromobenzene	ND		0.500	ug/L			06/22/23 11:33	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 11:33	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 11:33	1
Bromoform	ND		0.500	ug/L			06/22/23 11:33	1
Bromomethane	ND		0.500	ug/L			06/22/23 11:33	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 11:33	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 11:33	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 11:33	1
Chloroethane	ND		0.500	ug/L			06/22/23 11:33	1
Chloroform	ND		0.500	ug/L			06/22/23 11:33	1
Chloromethane	ND		0.500	ug/L			06/22/23 11:33	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 11:33	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 11:33	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 11:33	1
Dibromomethane	ND		0.500	ug/L			06/22/23 11:33	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 11:33	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 11:33	1
Ethyl ether	ND		0.500	ug/L			06/22/23 11:33	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 11:33	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 11:33	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 206 Forest Edge-FD

Lab Sample ID: 620-12139-4

Date Collected: 06/14/23 10:48

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 11:33	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 11:33	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 11:33	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 11:33	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 11:33	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 11:33	1
Naphthalene	ND		0.500	ug/L			06/22/23 11:33	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 11:33	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 11:33	1
o-Xylene	ND		0.500	ug/L			06/22/23 11:33	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 11:33	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 11:33	1
Styrene	ND		0.500	ug/L			06/22/23 11:33	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 11:33	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 11:33	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 11:33	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 11:33	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 11:33	1
Toluene	ND		0.500	ug/L			06/22/23 11:33	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 11:33	1
Trichloroethene	ND		0.500	ug/L			06/22/23 11:33	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 11:33	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 11:33	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		06/22/23 11:33	1
4-Bromofluorobenzene (Surr)	106		80 - 120		06/22/23 11:33	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 794 Beecher Hill

Lab Sample ID: 620-12139-5

Date Collected: 06/14/23 11:40

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 11:57	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 11:57	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 11:57	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 11:57	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 11:57	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 11:57	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 11:57	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 11:57	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 11:57	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 11:57	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 11:57	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 11:57	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 11:57	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:57	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 11:57	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 11:57	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 11:57	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:57	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 11:57	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 11:57	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 11:57	1
2-Butanone	ND		5.00	ug/L			06/22/23 11:57	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 11:57	1
2-Hexanone	ND		5.00	ug/L			06/22/23 11:57	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 11:57	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 11:57	1
Acetone	ND		10.0	ug/L			06/22/23 11:57	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 11:57	1
Benzene	ND		0.500	ug/L			06/22/23 11:57	1
Bromobenzene	ND		0.500	ug/L			06/22/23 11:57	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 11:57	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 11:57	1
Bromoform	ND		0.500	ug/L			06/22/23 11:57	1
Bromomethane	ND		0.500	ug/L			06/22/23 11:57	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 11:57	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 11:57	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 11:57	1
Chloroethane	ND		0.500	ug/L			06/22/23 11:57	1
Chloroform	ND		0.500	ug/L			06/22/23 11:57	1
Chloromethane	ND		0.500	ug/L			06/22/23 11:57	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 11:57	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 11:57	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 11:57	1
Dibromomethane	ND		0.500	ug/L			06/22/23 11:57	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 11:57	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 11:57	1
Ethyl ether	ND		0.500	ug/L			06/22/23 11:57	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 11:57	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 11:57	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 794 Beecher Hill

Lab Sample ID: 620-12139-5

Date Collected: 06/14/23 11:40

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 11:57	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 11:57	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 11:57	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 11:57	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 11:57	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 11:57	1
Naphthalene	ND		0.500	ug/L			06/22/23 11:57	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 11:57	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 11:57	1
o-Xylene	ND		0.500	ug/L			06/22/23 11:57	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 11:57	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 11:57	1
Styrene	ND		0.500	ug/L			06/22/23 11:57	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 11:57	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 11:57	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 11:57	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 11:57	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 11:57	1
Toluene	ND		0.500	ug/L			06/22/23 11:57	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 11:57	1
Trichloroethene	ND		0.500	ug/L			06/22/23 11:57	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 11:57	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 11:57	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120		06/22/23 11:57	1
4-Bromofluorobenzene (Surr)	104		80 - 120		06/22/23 11:57	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 413 North Rd

Lab Sample ID: 620-12139-6

Date Collected: 06/14/23 12:08

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 12:21	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 12:21	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 12:21	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 12:21	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 12:21	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 12:21	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 12:21	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 12:21	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 12:21	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 12:21	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 12:21	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 12:21	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 12:21	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 12:21	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 12:21	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 12:21	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 12:21	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 12:21	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 12:21	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 12:21	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 12:21	1
2-Butanone	ND		5.00	ug/L			06/22/23 12:21	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 12:21	1
2-Hexanone	ND		5.00	ug/L			06/22/23 12:21	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 12:21	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 12:21	1
Acetone	ND		10.0	ug/L			06/22/23 12:21	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 12:21	1
Benzene	ND		0.500	ug/L			06/22/23 12:21	1
Bromobenzene	ND		0.500	ug/L			06/22/23 12:21	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 12:21	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 12:21	1
Bromoform	ND		0.500	ug/L			06/22/23 12:21	1
Bromomethane	ND		0.500	ug/L			06/22/23 12:21	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 12:21	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 12:21	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 12:21	1
Chloroethane	ND		0.500	ug/L			06/22/23 12:21	1
Chloroform	ND		0.500	ug/L			06/22/23 12:21	1
Chloromethane	ND		0.500	ug/L			06/22/23 12:21	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 12:21	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 12:21	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 12:21	1
Dibromomethane	ND		0.500	ug/L			06/22/23 12:21	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 12:21	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 12:21	1
Ethyl ether	ND		0.500	ug/L			06/22/23 12:21	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 12:21	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 12:21	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 413 North Rd

Lab Sample ID: 620-12139-6

Date Collected: 06/14/23 12:08

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 12:21	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 12:21	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 12:21	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 12:21	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 12:21	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 12:21	1
Naphthalene	ND		0.500	ug/L			06/22/23 12:21	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 12:21	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 12:21	1
o-Xylene	ND		0.500	ug/L			06/22/23 12:21	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 12:21	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 12:21	1
Styrene	ND		0.500	ug/L			06/22/23 12:21	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 12:21	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 12:21	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 12:21	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 12:21	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 12:21	1
Toluene	ND		0.500	ug/L			06/22/23 12:21	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 12:21	1
Trichloroethene	ND		0.500	ug/L			06/22/23 12:21	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 12:21	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 12:21	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120		06/22/23 12:21	1
4-Bromofluorobenzene (Surr)	105		80 - 120		06/22/23 12:21	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-12139-8

Date Collected: 06/14/23 08:00

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 13:09	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 13:09	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 13:09	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 13:09	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 13:09	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 13:09	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 13:09	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 13:09	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 13:09	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 13:09	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 13:09	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 13:09	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 13:09	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 13:09	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 13:09	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 13:09	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 13:09	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 13:09	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 13:09	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 13:09	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 13:09	1
2-Butanone	ND		5.00	ug/L			06/22/23 13:09	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 13:09	1
2-Hexanone	ND		5.00	ug/L			06/22/23 13:09	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 13:09	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 13:09	1
Acetone	ND		10.0	ug/L			06/22/23 13:09	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 13:09	1
Benzene	ND		0.500	ug/L			06/22/23 13:09	1
Bromobenzene	ND		0.500	ug/L			06/22/23 13:09	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 13:09	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 13:09	1
Bromoform	ND		0.500	ug/L			06/22/23 13:09	1
Bromomethane	ND		0.500	ug/L			06/22/23 13:09	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 13:09	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 13:09	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 13:09	1
Chloroethane	ND		0.500	ug/L			06/22/23 13:09	1
Chloroform	ND		0.500	ug/L			06/22/23 13:09	1
Chloromethane	ND		0.500	ug/L			06/22/23 13:09	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 13:09	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 13:09	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 13:09	1
Dibromomethane	ND		0.500	ug/L			06/22/23 13:09	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 13:09	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 13:09	1
Ethyl ether	ND		0.500	ug/L			06/22/23 13:09	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 13:09	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 13:09	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-12139-8

Date Collected: 06/14/23 08:00

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 13:09	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 13:09	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 13:09	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 13:09	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 13:09	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 13:09	1
Naphthalene	ND		0.500	ug/L			06/22/23 13:09	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 13:09	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 13:09	1
o-Xylene	ND		0.500	ug/L			06/22/23 13:09	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 13:09	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 13:09	1
Styrene	ND		0.500	ug/L			06/22/23 13:09	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 13:09	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 13:09	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 13:09	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 13:09	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 13:09	1
Toluene	ND		0.500	ug/L			06/22/23 13:09	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 13:09	1
Trichloroethene	ND		0.500	ug/L			06/22/23 13:09	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 13:09	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 13:09	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		06/22/23 13:09	1
4-Bromofluorobenzene (Surr)	105		80 - 120		06/22/23 13:09	1

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-12139-9

Date Collected: 06/14/23 12:46

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 12:45	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 12:45	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 12:45	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 12:45	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 12:45	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 12:45	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 12:45	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 12:45	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 12:45	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 12:45	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 12:45	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 12:45	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 12:45	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 12:45	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 12:45	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 12:45	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 12:45	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 12:45	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 12:45	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 12:45	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 12:45	1
2-Butanone	ND		5.00	ug/L			06/22/23 12:45	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 12:45	1
2-Hexanone	ND		5.00	ug/L			06/22/23 12:45	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 12:45	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 12:45	1
Acetone	ND		10.0	ug/L			06/22/23 12:45	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 12:45	1
Benzene	ND		0.500	ug/L			06/22/23 12:45	1
Bromobenzene	ND		0.500	ug/L			06/22/23 12:45	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 12:45	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 12:45	1
Bromoform	ND		0.500	ug/L			06/22/23 12:45	1
Bromomethane	ND		0.500	ug/L			06/22/23 12:45	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 12:45	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 12:45	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 12:45	1
Chloroethane	ND		0.500	ug/L			06/22/23 12:45	1
Chloroform	ND		0.500	ug/L			06/22/23 12:45	1
Chloromethane	ND		0.500	ug/L			06/22/23 12:45	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 12:45	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 12:45	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 12:45	1
Dibromomethane	ND		0.500	ug/L			06/22/23 12:45	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 12:45	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 12:45	1
Ethyl ether	ND		0.500	ug/L			06/22/23 12:45	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 12:45	1
Ethylbenzene	ND		0.500	ug/L			06/22/23 12:45	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-12139-9

Date Collected: 06/14/23 12:46

Matrix: Drinking Water

Date Received: 06/15/23 09:34

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/22/23 12:45	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 12:45	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 12:45	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 12:45	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 12:45	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 12:45	1
Naphthalene	ND		0.500	ug/L			06/22/23 12:45	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 12:45	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 12:45	1
o-Xylene	ND		0.500	ug/L			06/22/23 12:45	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 12:45	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 12:45	1
Styrene	ND		0.500	ug/L			06/22/23 12:45	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 12:45	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 12:45	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 12:45	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 12:45	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 12:45	1
Toluene	ND		0.500	ug/L			06/22/23 12:45	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 12:45	1
Trichloroethene	ND		0.500	ug/L			06/22/23 12:45	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 12:45	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 12:45	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	107		80 - 120		06/22/23 12:45	1
4-Bromofluorobenzene (Surr)	105		80 - 120		06/22/23 12:45	1

Surrogate Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCZ	BFB
		(80-120)	(80-120)
620-12139-1	182 Forest Edge	104	104
620-12139-2	714 Beecher Hill	109	107
620-12139-3	206 Forest Edge	110	104
620-12139-4	206 Forest Edge-FD	109	106
620-12139-5	794 Beecher Hill	108	104
620-12139-6	413 North Rd	108	105
620-12139-8	Trip Blank	110	105
620-12139-9	490 North Rd	107	105
LCS 410-389496/4	Lab Control Sample	106	105
MB 410-389496/6	Method Blank	106	106

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-389496/6
Matrix: Drinking Water
Analysis Batch: 389496

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 09:10	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/22/23 09:10	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/22/23 09:10	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/22/23 09:10	1
1,1-Dichloroethane	ND		0.500	ug/L			06/22/23 09:10	1
1,1-Dichloroethene	ND		0.500	ug/L			06/22/23 09:10	1
1,1-Dichloropropene	ND		0.500	ug/L			06/22/23 09:10	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/22/23 09:10	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/22/23 09:10	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/22/23 09:10	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/22/23 09:10	1
1,2-Dibromoethane	ND		0.500	ug/L			06/22/23 09:10	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/22/23 09:10	1
1,2-Dichloroethane	ND		0.500	ug/L			06/22/23 09:10	1
1,2-Dichloropropane	ND		0.500	ug/L			06/22/23 09:10	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/22/23 09:10	1
1,3-Dichloropropane	ND		0.500	ug/L			06/22/23 09:10	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/22/23 09:10	1
2,2-Dichloropropane	ND		0.500	ug/L			06/22/23 09:10	1
2-Butanone	ND		5.00	ug/L			06/22/23 09:10	1
2-Chlorotoluene	ND		0.500	ug/L			06/22/23 09:10	1
2-Hexanone	ND		5.00	ug/L			06/22/23 09:10	1
4-Chlorotoluene	ND		0.500	ug/L			06/22/23 09:10	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/22/23 09:10	1
Acetone	ND		10.0	ug/L			06/22/23 09:10	1
Acrylonitrile	ND		10.0	ug/L			06/22/23 09:10	1
Benzene	ND		0.500	ug/L			06/22/23 09:10	1
Bromobenzene	ND		0.500	ug/L			06/22/23 09:10	1
Bromochloromethane	ND		0.500	ug/L			06/22/23 09:10	1
Bromodichloromethane	ND		0.500	ug/L			06/22/23 09:10	1
Bromoform	ND		0.500	ug/L			06/22/23 09:10	1
Bromomethane	ND		0.500	ug/L			06/22/23 09:10	1
Carbon disulfide	ND		2.00	ug/L			06/22/23 09:10	1
Carbon tetrachloride	ND		0.500	ug/L			06/22/23 09:10	1
Chlorobenzene	ND		0.500	ug/L			06/22/23 09:10	1
Chloroethane	ND		0.500	ug/L			06/22/23 09:10	1
Chloroform	ND		0.500	ug/L			06/22/23 09:10	1
Chloromethane	ND		0.500	ug/L			06/22/23 09:10	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 09:10	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 09:10	1
Dibromochloromethane	ND		0.500	ug/L			06/22/23 09:10	1
Dibromomethane	ND		0.500	ug/L			06/22/23 09:10	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/22/23 09:10	1
di-Isopropyl ether	ND		0.500	ug/L			06/22/23 09:10	1
Ethyl ether	ND		0.500	ug/L			06/22/23 09:10	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/22/23 09:10	1

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-389496/6
Matrix: Drinking Water
Analysis Batch: 389496

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
Freon 113	ND		0.500	ug/L			06/22/23 09:10	1
Hexachlorobutadiene	ND		0.500	ug/L			06/22/23 09:10	1
Isopropylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
m&p-Xylene	ND		1.00	ug/L			06/22/23 09:10	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/22/23 09:10	1
Methylene Chloride	ND		0.500	ug/L			06/22/23 09:10	1
Naphthalene	ND		0.500	ug/L			06/22/23 09:10	1
n-Butylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
N-Propylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
o-Xylene	ND		0.500	ug/L			06/22/23 09:10	1
p-Isopropyltoluene	ND		0.500	ug/L			06/22/23 09:10	1
sec-Butylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
Styrene	ND		0.500	ug/L			06/22/23 09:10	1
t-Amyl methyl ether	ND		0.500	ug/L			06/22/23 09:10	1
t-Butyl alcohol	ND		25.0	ug/L			06/22/23 09:10	1
tert-Butylbenzene	ND		0.500	ug/L			06/22/23 09:10	1
Tetrachloroethene	ND		0.500	ug/L			06/22/23 09:10	1
Tetrahydrofuran	ND		7.00	ug/L			06/22/23 09:10	1
Toluene	ND		0.500	ug/L			06/22/23 09:10	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/22/23 09:10	1
Trichloroethene	ND		0.500	ug/L			06/22/23 09:10	1
Trichlorofluoromethane	ND		0.500	ug/L			06/22/23 09:10	1
Vinyl chloride	ND		0.500	ug/L			06/22/23 09:10	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/22/23 09:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120		06/22/23 09:10	1
4-Bromofluorobenzene (Surr)	106		80 - 120		06/22/23 09:10	1

Lab Sample ID: LCS 410-389496/4
Matrix: Drinking Water
Analysis Batch: 389496

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	5.524		ug/L		110	70 - 130
1,1,1-Trichloroethane	5.00	5.287		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.350		ug/L		107	70 - 130
1,1,2-Trichloroethane	5.00	5.016		ug/L		100	70 - 130
1,1-Dichloroethane	5.00	5.017		ug/L		100	70 - 130
1,1-Dichloroethene	5.00	5.203		ug/L		104	70 - 130
1,1-Dichloropropene	5.00	5.171		ug/L		103	70 - 130
1,2,3-Trichlorobenzene	5.00	5.797		ug/L		116	70 - 130
1,2,3-Trichloropropane	5.00	5.223		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	5.00	5.821		ug/L		116	70 - 130
1,2,4-Trimethylbenzene	5.00	5.513		ug/L		110	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	5.276		ug/L		106	70 - 130
1,2-Dibromoethane	5.00	5.170		ug/L		103	70 - 130

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QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-389496/4
Matrix: Drinking Water
Analysis Batch: 389496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	5.00	5.296		ug/L		106	70 - 130
1,2-Dichloroethane	5.00	4.828		ug/L		97	70 - 130
1,2-Dichloropropane	5.00	4.971		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	5.00	5.513		ug/L		110	70 - 130
1,3-Dichlorobenzene	5.00	5.350		ug/L		107	70 - 130
1,3-Dichloropropane	5.00	5.086		ug/L		102	70 - 130
1,4-Dichlorobenzene	5.00	5.742		ug/L		115	70 - 130
2,2-Dichloropropane	5.00	5.284		ug/L		106	70 - 130
2-Butanone	62.5	62.61		ug/L		100	70 - 130
2-Chlorotoluene	5.00	5.514		ug/L		110	70 - 130
2-Hexanone	62.5	62.81		ug/L		100	70 - 130
4-Chlorotoluene	5.00	5.798		ug/L		116	70 - 130
4-Methyl-2-pentanone	62.5	63.06		ug/L		101	70 - 130
Acetone	62.5	61.20		ug/L		98	70 - 130
Acrylonitrile	113	114.3		ug/L		102	70 - 130
Benzene	5.00	5.183		ug/L		104	70 - 130
Bromobenzene	5.00	5.572		ug/L		111	70 - 130
Bromochloromethane	5.00	5.145		ug/L		103	70 - 130
Bromodichloromethane	5.00	5.119		ug/L		102	70 - 130
Bromoform	5.00	5.354		ug/L		107	70 - 130
Bromomethane	2.00	2.023		ug/L		101	70 - 130
Carbon disulfide	5.00	4.778		ug/L		96	70 - 130
Carbon tetrachloride	5.00	5.179		ug/L		104	70 - 130
Chlorobenzene	5.00	5.309		ug/L		106	70 - 130
Chloroethane	2.00	2.116		ug/L		106	70 - 130
Chloroform	5.00	5.031		ug/L		101	70 - 130
Chloromethane	2.00	1.863		ug/L		93	70 - 130
cis-1,2-Dichloroethene	5.00	5.389		ug/L		108	70 - 130
cis-1,3-Dichloropropene	5.00	5.479		ug/L		110	70 - 130
Dibromochloromethane	5.00	5.255		ug/L		105	70 - 130
Dibromomethane	5.00	5.177		ug/L		104	70 - 130
Dichlorodifluoromethane	2.00	1.913		ug/L		96	70 - 130
di-Isopropyl ether	5.00	4.919		ug/L		98	70 - 130
Ethyl ether	5.00	5.227		ug/L		105	70 - 130
Ethyl t-butyl ether	5.00	5.040		ug/L		101	70 - 130
Ethylbenzene	5.00	5.305		ug/L		106	70 - 130
Freon 113	5.00	4.963		ug/L		99	70 - 130
Hexachlorobutadiene	5.00	5.918		ug/L		118	70 - 130
Isopropylbenzene	5.00	5.730		ug/L		115	70 - 130
m&p-Xylene	10.0	10.87		ug/L		109	70 - 130
Methyl tertiary butyl ether	5.00	4.844		ug/L		97	70 - 130
Methylene Chloride	5.00	5.075		ug/L		101	70 - 130
Naphthalene	5.00	5.551		ug/L		111	70 - 130
n-Butylbenzene	5.00	5.490		ug/L		110	70 - 130
N-Propylbenzene	5.00	5.547		ug/L		111	70 - 130
o-Xylene	5.00	5.370		ug/L		107	70 - 130
p-Isopropyltoluene	5.00	5.485		ug/L		110	70 - 130
sec-Butylbenzene	5.00	5.506		ug/L		110	70 - 130
Styrene	5.00	5.435		ug/L		109	70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-389496/4
Matrix: Drinking Water
Analysis Batch: 389496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
t-Amyl methyl ether	5.00	5.065		ug/L		101	70 - 130
t-Butyl alcohol	50.0	49.87		ug/L		100	70 - 130
tert-Butylbenzene	5.00	5.579		ug/L		112	70 - 130
Tetrachloroethene	5.00	5.238		ug/L		105	70 - 130
Tetrahydrofuran	46.9	44.33		ug/L		95	70 - 130
Toluene	5.00	5.152		ug/L		103	70 - 130
trans-1,2-Dichloroethene	5.00	4.999		ug/L		100	70 - 130
Trichloroethene	5.00	5.049		ug/L		101	70 - 130
Trichlorofluoromethane	2.00	2.071		ug/L		104	70 - 130
Vinyl chloride	2.00	1.981		ug/L		99	70 - 130
trans-1,3-Dichloropropene	5.00	5.112		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	105		80 - 120

QC Association Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

GC/MS VOA

Analysis Batch: 389496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-12139-1	182 Forest Edge	Total/NA	Drinking Water	524.2	
620-12139-2	714 Beecher Hill	Total/NA	Drinking Water	524.2	
620-12139-3	206 Forest Edge	Total/NA	Drinking Water	524.2	
620-12139-4	206 Forest Edge-FD	Total/NA	Drinking Water	524.2	
620-12139-5	794 Beecher Hill	Total/NA	Drinking Water	524.2	
620-12139-6	413 North Rd	Total/NA	Drinking Water	524.2	
620-12139-8	Trip Blank	Total/NA	Drinking Water	524.2	
620-12139-9	490 North Rd	Total/NA	Drinking Water	524.2	
MB 410-389496/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-389496/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 182 Forest Edge

Date Collected: 06/14/23 09:55

Date Received: 06/15/23 09:34

Lab Sample ID: 620-12139-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 10:22

Client Sample ID: 714 Beecher Hill

Date Collected: 06/14/23 10:28

Date Received: 06/15/23 09:34

Lab Sample ID: 620-12139-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 10:46

Client Sample ID: 206 Forest Edge

Date Collected: 06/14/23 10:48

Date Received: 06/15/23 09:34

Lab Sample ID: 620-12139-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 11:09

Client Sample ID: 206 Forest Edge-FD

Date Collected: 06/14/23 10:48

Date Received: 06/15/23 09:34

Lab Sample ID: 620-12139-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 11:33

Client Sample ID: 794 Beecher Hill

Date Collected: 06/14/23 11:40

Date Received: 06/15/23 09:34

Lab Sample ID: 620-12139-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 11:57

Client Sample ID: 413 North Rd

Date Collected: 06/14/23 12:08

Date Received: 06/15/23 09:34

Lab Sample ID: 620-12139-6

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 12:21

Client Sample ID: Trip Blank

Date Collected: 06/14/23 08:00

Date Received: 06/15/23 09:34

Lab Sample ID: 620-12139-8

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 13:09

Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-12139-9

Date Collected: 06/14/23 12:46

Matrix: Drinking Water

Date Received: 06/15/23 09:34

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Analysis	524.2		1	389496	UJML	ELLE	06/22/23 12:45

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	di-Isopropyl ether
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl t-butyl ether
524.2		Drinking Water	Freon 113
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	t-Amyl methyl ether
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	Tetrahydrofuran



Method Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12139-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-12139-1	182 Forest Edge	Drinking Water	06/14/23 09:55	06/15/23 09:34
620-12139-2	714 Beecher Hill	Drinking Water	06/14/23 10:28	06/15/23 09:34
620-12139-3	206 Forest Edge	Drinking Water	06/14/23 10:48	06/15/23 09:34
620-12139-4	206 Forest Edge-FD	Drinking Water	06/14/23 10:48	06/15/23 09:34
620-12139-5	794 Beecher Hill	Drinking Water	06/14/23 11:40	06/15/23 09:34
620-12139-6	413 North Rd	Drinking Water	06/14/23 12:08	06/15/23 09:34
620-12139-8	Trip Blank	Drinking Water	06/14/23 08:00	06/15/23 09:34
620-12139-9	490 North Rd	Drinking Water	06/14/23 12:46	06/15/23 09:34

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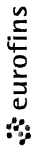
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620-12139 Chain of Custody

12139

Chain of Custody Record



Environment Testing

Sampler: Katrina Maitice Lab PM: Huntley, Agnes R Carrier Tracking No(s): 620-10701-1428 1		COC No: 620-10701-1428 1 Page: 1 of 4 Job #: 1	
Phone: 802 229 6434 E-Mail: Agnes.Huntley@et.eurofins.com		State of Origin: VT	
Company: Stone Environmental Address: 535 Stone Cutters Way City: Montpelier State, Zip: VT, 05602 Phone: 802-229-6434(Tel) Email: kmaitice@stone-env.com Project Name: Town of Hinesburg Landfill - 20211205 Site:		Analysis Requested 524.2 Preserved - (MOD) Regulated + THMs 524.2 Preserved - Regulated + THMs 537.1 DW - DW EPA 537.1 List of 18 Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No)	
Due Date Requested: TAT Requested (days): 15 days Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 20211205 WO #: 20211205 Project #: 62000809 SOW#:		Preservation Codes: M - Hexane N - None O - AshNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - Trizma Z - other (specify) Other:	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=soil, BT=tissue, A=air)		Special Instructions/Note: Total Number of containers	
7023 6/14 0955 G Drinking Water	182 Forest Edge 6/14 1028 G Drinking Water	206 Forest Edge 6/14 1048 G Drinking Water	206 Forest Edge - FD 6/14 1140 G Drinking Water
794 Beecher Hill 6/14 1208 G Drinking Water	413 North Rd 6/14 1206 G Drinking Water	413 North Rd - FRB 6/14 0800 G Drinking Water	Trip Blank 6/14 0800 G Drinking Water
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested I, II, III, IV, Other (specify) 11		Special Instructions/QC Requirements: equis 67 EPD	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: Katrina Maitice Date/Time: 6/14/23 21325 Company: Stone		Received by: [Signature] Date/Time: 6/14/23 1330 Company: ETA BURL	
Relinquished by: [Signature] Date/Time: 6/14/23 1700 Company: ETA BURL		Received by: [Signature] Date/Time: 6/15/23 934 Company: ENE	
Relinquished by:		Received by:	
Custody Seals Intact. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 1.2°C - 0.2 / 1.0 C	



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Part # 159469-434 M/TW EXP 09/24

ORIGIN ID:BTVA (802) 690-1990
 SAMPLE RECEIVING
 TEST AMERICA
 530 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 14JUN23
 ACTWGT: 53.40 LB MAN
 CAD: 000890364/CAFE3621
 DIMS: 24x14x16 IN

BILL RECIPIENT

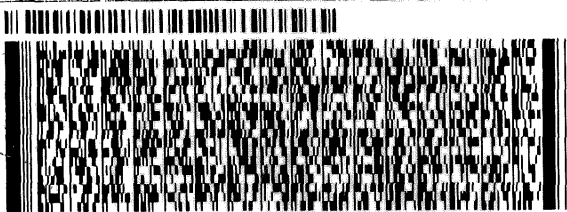
TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

REF:

INU
 PO:

DEPT:



FedEx
 Express



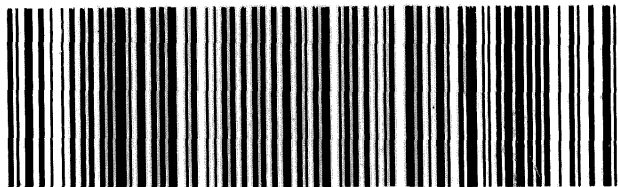
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THU - 15 JUN 10:30A
PRIORITY OVERNIGHT

TRK# **6527 5587 5330**
 0201

XE NCOA

02852
 RI--US **PVD**



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: Huntley, Agnes R	Lab PM: Huntley, Agnes R	Carrier Tracking No(s):	COC No: 620-10014.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Agnes.Huntley@et.eurofins.com	State of Origin: Vermont	Page: Page 1 of 1	Job #: 620-12139-1
Company: Eurofins Lancaster Laboratories Environm			Accreditations Required (See note): State - Vermont		Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email:
Due Date Requested: 6/28/2023 TAT Requested (days):			Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other:
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:					
Project #: 62000809 SSOW#:		Field Filtered Sample (Yes or No)		Total Number of containers	
Perform MS/MSD (Yes or No)		524.2_Preserved/ (MOD) Regulated + THM's		PRE_SCREEN	
537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18					
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)
Preservation Code					
182 Forest Edge (620-12139-1)	6/14/23	09:55 Eastern	Drinking Water	X	X
714 Beecher Hill (620-12139-2)	6/14/23	10:28 Eastern	Drinking Water	X	X
206 Forest Edge (620-12139-3)	6/14/23	10:48 Eastern	Drinking Water	X	X
206 Forest Edge-FD (620-12139-4)	6/14/23	10:48 Eastern	Drinking Water	X	X
794 Beecher Hill (620-12139-5)	6/14/23	11:40 Eastern	Drinking Water	X	X
413 North Rd (620-12139-6)	6/14/23	12:08 Eastern	Drinking Water	X	X
Trip Blank (620-12139-8)	6/14/23	08:00 Eastern	Drinking Water	X	X
490 North Rd (620-12139-9)	6/14/23	12:46 Eastern	Drinking Water	X	X X
Special Instructions/Note: VT VGES/MCL					
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.					
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Unconfirmed			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: <i>[Signature]</i>	Date/Time: 6/18/23 12:29	Company: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: <i>[Signature]</i>	Date/Time: 6-16-23 9:40	Company: <i>[Signature]</i>
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-2/23 2-16/23			

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Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-10014.1			
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofins.com		State of Origin: Vermont		Page: Page 1 of 1			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Vermont				Job #: 620-12139-2			
Address: 2425 New Holland Pike,		Due Date Requested: 7/20/2023		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)	
City: Lancaster		TAT Requested (days):									
State, Zip: PA, 17601		PO #:									
Phone: 717-656-2300(Tel)		WO #:									
Email:											
Project Name: Town of Hinesburg Landfill - Hinesburg,		Project #: 62000809		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers			
Site		SSOW#:		537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=waste, S=solid, O=waste/soil, BT=Tissue, A=Air)			
						Preservation Code		Special Instructions/Note:			
182 Forest Edge (620-12139-1)		6/14/23		09:55 Eastern		Drinking Water		X			
714 Beecher Hill (620-12139-2)		6/14/23		10:28 Eastern		Drinking Water		X			
206 Forest Edge (620-12139-3)		6/14/23		10:48 Eastern		Drinking Water		X			
206 Forest Edge-FD (620-12139-4)		6/14/23		10:48 Eastern		Drinking Water		X			
794 Beecher Hill (620-12139-5)		6/14/23		11:40 Eastern		Drinking Water		X			
413 North Rd (620-12139-6)		6/14/23		12:08 Eastern		Drinking Water		X			
413 North Rd-FRB (620-12139-7)		6/14/23		12:06 Eastern		Drinking Water		X			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2						
Special Instructions/QC Requirements:											
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: <i>[Signature]</i>			Date/Time: 6/15/23 17:29		Company: ENG		Received by: <i>[Signature]</i>				
Relinquished by: <i>[Signature]</i>			Date/Time:		Company:		Received by: <i>[Signature]</i>				
Relinquished by: <i>[Signature]</i>			Date/Time:		Company:		Received by: <i>[Signature]</i>				
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <i>6-16-23 940</i>						

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Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-12139-1

Login Number: 12139

List Number: 1

Creator: Makhoul, Elie

List Source: Eurofins New England

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	
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: Stone Environmental

Job Number: 620-12139-1

Login Number: 12139

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 06/16/23 01:12 PM

Creator: McCaskey, Jonathan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	False	Headspace greater than 6mm in diameter in some but not all containers



ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Katrina Mattice
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 7/18/2023 4:32:47 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-12778-1

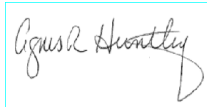
Eurofins New England

Job Notes

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

Authorization



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Authorized for release by
Agnes Huntley, Project Manager
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(401)372-3482



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Definitions/Glossary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Glossary

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

Case Narrative

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Job ID: 620-12778-1

Laboratory: Eurofins New England

Narrative

**Job Narrative
620-12778-1**

Comments

No additional comments.

Receipt

The sample was received on 7/14/2023 9:52 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2° C.

GC/MS VOA

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

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Detection Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-12778-1

No Detections.

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This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-12778-1

Date Collected: 07/13/23 11:00

Matrix: Drinking Water

Date Received: 07/14/23 09:52

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			07/17/23 22:05	1
1,1,1-Trichloroethane	ND		0.500	ug/L			07/17/23 22:05	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			07/17/23 22:05	1
1,1,2-Trichloroethane	ND		0.500	ug/L			07/17/23 22:05	1
1,1-Dichloroethane	ND		0.500	ug/L			07/17/23 22:05	1
1,1-Dichloroethene	ND		0.500	ug/L			07/17/23 22:05	1
1,1-Dichloropropene	ND		0.500	ug/L			07/17/23 22:05	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			07/17/23 22:05	1
1,2,3-Trichloropropane	ND		0.500	ug/L			07/17/23 22:05	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			07/17/23 22:05	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			07/17/23 22:05	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			07/17/23 22:05	1
1,2-Dibromoethane	ND		0.500	ug/L			07/17/23 22:05	1
1,2-Dichlorobenzene	ND		0.500	ug/L			07/17/23 22:05	1
1,2-Dichloroethane	ND		0.500	ug/L			07/17/23 22:05	1
1,2-Dichloropropane	ND		0.500	ug/L			07/17/23 22:05	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			07/17/23 22:05	1
1,3-Dichlorobenzene	ND		0.500	ug/L			07/17/23 22:05	1
1,3-Dichloropropane	ND		0.500	ug/L			07/17/23 22:05	1
1,4-Dichlorobenzene	ND		0.500	ug/L			07/17/23 22:05	1
2,2-Dichloropropane	ND		0.500	ug/L			07/17/23 22:05	1
2-Butanone	ND		5.00	ug/L			07/17/23 22:05	1
2-Chlorotoluene	ND		0.500	ug/L			07/17/23 22:05	1
2-Hexanone	ND		5.00	ug/L			07/17/23 22:05	1
4-Chlorotoluene	ND		0.500	ug/L			07/17/23 22:05	1
4-Methyl-2-pentanone	ND		5.00	ug/L			07/17/23 22:05	1
Acetone	ND		10.0	ug/L			07/17/23 22:05	1
Acrylonitrile	ND		10.0	ug/L			07/17/23 22:05	1
Benzene	ND		0.500	ug/L			07/17/23 22:05	1
Bromobenzene	ND		0.500	ug/L			07/17/23 22:05	1
Bromochloromethane	ND		0.500	ug/L			07/17/23 22:05	1
Bromodichloromethane	ND		0.500	ug/L			07/17/23 22:05	1
Bromoform	ND		0.500	ug/L			07/17/23 22:05	1
Bromomethane	ND		0.500	ug/L			07/17/23 22:05	1
Carbon disulfide	ND		2.00	ug/L			07/17/23 22:05	1
Carbon tetrachloride	ND		0.500	ug/L			07/17/23 22:05	1
Chlorobenzene	ND		0.500	ug/L			07/17/23 22:05	1
Chloroethane	ND		0.500	ug/L			07/17/23 22:05	1
Chloroform	ND		0.500	ug/L			07/17/23 22:05	1
Chloromethane	ND		0.500	ug/L			07/17/23 22:05	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			07/17/23 22:05	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			07/17/23 22:05	1
Dibromochloromethane	ND		0.500	ug/L			07/17/23 22:05	1
Dibromomethane	ND		0.500	ug/L			07/17/23 22:05	1
Dichlorodifluoromethane	ND		0.500	ug/L			07/17/23 22:05	1
di-Isopropyl ether	ND		0.500	ug/L			07/17/23 22:05	1
Ethyl ether	ND		0.500	ug/L			07/17/23 22:05	1
Ethyl t-butyl ether	ND		0.500	ug/L			07/17/23 22:05	1
Ethylbenzene	ND		0.500	ug/L			07/17/23 22:05	1

Eurofins New England

Client Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-12778-1

Date Collected: 07/13/23 11:00

Matrix: Drinking Water

Date Received: 07/14/23 09:52

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			07/17/23 22:05	1
Hexachlorobutadiene	ND		0.500	ug/L			07/17/23 22:05	1
Isopropylbenzene	ND		0.500	ug/L			07/17/23 22:05	1
m&p-Xylene	ND		1.00	ug/L			07/17/23 22:05	1
Methyl tertiary butyl ether	ND		0.500	ug/L			07/17/23 22:05	1
Methylene Chloride	ND		0.500	ug/L			07/17/23 22:05	1
Naphthalene	ND		0.500	ug/L			07/17/23 22:05	1
n-Butylbenzene	ND		0.500	ug/L			07/17/23 22:05	1
N-Propylbenzene	ND		0.500	ug/L			07/17/23 22:05	1
o-Xylene	ND		0.500	ug/L			07/17/23 22:05	1
p-Isopropyltoluene	ND		0.500	ug/L			07/17/23 22:05	1
sec-Butylbenzene	ND		0.500	ug/L			07/17/23 22:05	1
Styrene	ND		0.500	ug/L			07/17/23 22:05	1
t-Amyl methyl ether	ND		0.500	ug/L			07/17/23 22:05	1
t-Butyl alcohol	ND		25.0	ug/L			07/17/23 22:05	1
tert-Butylbenzene	ND		0.500	ug/L			07/17/23 22:05	1
Tetrachloroethene	ND		0.500	ug/L			07/17/23 22:05	1
Tetrahydrofuran	ND		7.00	ug/L			07/17/23 22:05	1
Toluene	ND		0.500	ug/L			07/17/23 22:05	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			07/17/23 22:05	1
Trichloroethene	ND		0.500	ug/L			07/17/23 22:05	1
Trichlorofluoromethane	ND		0.500	ug/L			07/17/23 22:05	1
Vinyl chloride	ND		0.500	ug/L			07/17/23 22:05	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			07/17/23 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	95		80 - 120		07/17/23 22:05	1
4-Bromofluorobenzene (Surr)	90		80 - 120		07/17/23 22:05	1

Surrogate Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCZ	BFB
		(80-120)	(80-120)
620-12778-1	152 Forest Edge - EFF	95	90
LCS 410-397672/4	Lab Control Sample	105	106
MB 410-397672/6	Method Blank	96	92

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-397672/6
Matrix: Drinking Water
Analysis Batch: 397672

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			07/17/23 18:11	1
1,1,1-Trichloroethane	ND		0.500	ug/L			07/17/23 18:11	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			07/17/23 18:11	1
1,1,2-Trichloroethane	ND		0.500	ug/L			07/17/23 18:11	1
1,1-Dichloroethane	ND		0.500	ug/L			07/17/23 18:11	1
1,1-Dichloroethene	ND		0.500	ug/L			07/17/23 18:11	1
1,1-Dichloropropene	ND		0.500	ug/L			07/17/23 18:11	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			07/17/23 18:11	1
1,2,3-Trichloropropane	ND		0.500	ug/L			07/17/23 18:11	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			07/17/23 18:11	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			07/17/23 18:11	1
1,2-Dibromoethane	ND		0.500	ug/L			07/17/23 18:11	1
1,2-Dichlorobenzene	ND		0.500	ug/L			07/17/23 18:11	1
1,2-Dichloroethane	ND		0.500	ug/L			07/17/23 18:11	1
1,2-Dichloropropane	ND		0.500	ug/L			07/17/23 18:11	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
1,3-Dichlorobenzene	ND		0.500	ug/L			07/17/23 18:11	1
1,3-Dichloropropane	ND		0.500	ug/L			07/17/23 18:11	1
1,4-Dichlorobenzene	ND		0.500	ug/L			07/17/23 18:11	1
2,2-Dichloropropane	ND		0.500	ug/L			07/17/23 18:11	1
2-Butanone	ND		5.00	ug/L			07/17/23 18:11	1
2-Chlorotoluene	ND		0.500	ug/L			07/17/23 18:11	1
2-Hexanone	ND		5.00	ug/L			07/17/23 18:11	1
4-Chlorotoluene	ND		0.500	ug/L			07/17/23 18:11	1
4-Methyl-2-pentanone	ND		5.00	ug/L			07/17/23 18:11	1
Acetone	ND		10.0	ug/L			07/17/23 18:11	1
Acrylonitrile	ND		10.0	ug/L			07/17/23 18:11	1
Benzene	ND		0.500	ug/L			07/17/23 18:11	1
Bromobenzene	ND		0.500	ug/L			07/17/23 18:11	1
Bromochloromethane	ND		0.500	ug/L			07/17/23 18:11	1
Bromodichloromethane	ND		0.500	ug/L			07/17/23 18:11	1
Bromoform	ND		0.500	ug/L			07/17/23 18:11	1
Bromomethane	ND		0.500	ug/L			07/17/23 18:11	1
Carbon disulfide	ND		2.00	ug/L			07/17/23 18:11	1
Carbon tetrachloride	ND		0.500	ug/L			07/17/23 18:11	1
Chlorobenzene	ND		0.500	ug/L			07/17/23 18:11	1
Chloroethane	ND		0.500	ug/L			07/17/23 18:11	1
Chloroform	ND		0.500	ug/L			07/17/23 18:11	1
Chloromethane	ND		0.500	ug/L			07/17/23 18:11	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			07/17/23 18:11	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			07/17/23 18:11	1
Dibromochloromethane	ND		0.500	ug/L			07/17/23 18:11	1
Dibromomethane	ND		0.500	ug/L			07/17/23 18:11	1
Dichlorodifluoromethane	ND		0.500	ug/L			07/17/23 18:11	1
di-Isopropyl ether	ND		0.500	ug/L			07/17/23 18:11	1
Ethyl ether	ND		0.500	ug/L			07/17/23 18:11	1
Ethyl t-butyl ether	ND		0.500	ug/L			07/17/23 18:11	1

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-397672/6
Matrix: Drinking Water
Analysis Batch: 397672

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
Freon 113	ND		0.500	ug/L			07/17/23 18:11	1
Hexachlorobutadiene	ND		0.500	ug/L			07/17/23 18:11	1
Isopropylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
m&p-Xylene	ND		1.00	ug/L			07/17/23 18:11	1
Methyl tertiary butyl ether	ND		0.500	ug/L			07/17/23 18:11	1
Methylene Chloride	ND		0.500	ug/L			07/17/23 18:11	1
Naphthalene	ND		0.500	ug/L			07/17/23 18:11	1
n-Butylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
N-Propylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
o-Xylene	ND		0.500	ug/L			07/17/23 18:11	1
p-Isopropyltoluene	ND		0.500	ug/L			07/17/23 18:11	1
sec-Butylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
Styrene	ND		0.500	ug/L			07/17/23 18:11	1
t-Amyl methyl ether	ND		0.500	ug/L			07/17/23 18:11	1
t-Butyl alcohol	ND		25.0	ug/L			07/17/23 18:11	1
tert-Butylbenzene	ND		0.500	ug/L			07/17/23 18:11	1
Tetrachloroethene	ND		0.500	ug/L			07/17/23 18:11	1
Tetrahydrofuran	ND		7.00	ug/L			07/17/23 18:11	1
Toluene	ND		0.500	ug/L			07/17/23 18:11	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			07/17/23 18:11	1
Trichloroethene	ND		0.500	ug/L			07/17/23 18:11	1
Trichlorofluoromethane	ND		0.500	ug/L			07/17/23 18:11	1
Vinyl chloride	ND		0.500	ug/L			07/17/23 18:11	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			07/17/23 18:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	96		80 - 120		07/17/23 18:11	1
4-Bromofluorobenzene (Surr)	92		80 - 120		07/17/23 18:11	1

Lab Sample ID: LCS 410-397672/4
Matrix: Drinking Water
Analysis Batch: 397672

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	4.455		ug/L		89	70 - 130
1,1,1-Trichloroethane	5.00	4.410		ug/L		88	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.122		ug/L		82	70 - 130
1,1,2-Trichloroethane	5.00	4.056		ug/L		81	70 - 130
1,1-Dichloroethane	5.00	4.208		ug/L		84	70 - 130
1,1-Dichloroethene	5.00	4.458		ug/L		89	70 - 130
1,1-Dichloropropene	5.00	4.426		ug/L		89	70 - 130
1,2,3-Trichlorobenzene	5.00	4.009		ug/L		80	70 - 130
1,2,3-Trichloropropane	5.00	4.188		ug/L		84	70 - 130
1,2,4-Trichlorobenzene	5.00	4.075		ug/L		81	70 - 130
1,2,4-Trimethylbenzene	5.00	4.473		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.149		ug/L		83	70 - 130
1,2-Dibromoethane	5.00	4.250		ug/L		85	70 - 130

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-397672/4
Matrix: Drinking Water
Analysis Batch: 397672

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	5.00	4.193		ug/L		84	70 - 130
1,2-Dichloroethane	5.00	4.139		ug/L		83	70 - 130
1,2-Dichloropropane	5.00	4.134		ug/L		83	70 - 130
1,3,5-Trimethylbenzene	5.00	4.451		ug/L		89	70 - 130
1,3-Dichlorobenzene	5.00	4.321		ug/L		86	70 - 130
1,3-Dichloropropane	5.00	4.134		ug/L		83	70 - 130
1,4-Dichlorobenzene	5.00	4.535		ug/L		91	70 - 130
2,2-Dichloropropane	5.00	4.554		ug/L		91	70 - 130
2-Butanone	62.5	53.29		ug/L		85	70 - 130
2-Chlorotoluene	5.00	4.354		ug/L		87	70 - 130
2-Hexanone	62.5	53.39		ug/L		85	70 - 130
4-Chlorotoluene	5.00	4.419		ug/L		88	70 - 130
4-Methyl-2-pentanone	62.5	53.22		ug/L		85	70 - 130
Acetone	62.5	52.89		ug/L		85	70 - 130
Acrylonitrile	113	95.12		ug/L		85	70 - 130
Benzene	5.00	4.381		ug/L		88	70 - 130
Bromobenzene	5.00	4.328		ug/L		87	70 - 130
Bromochloromethane	5.00	4.435		ug/L		89	70 - 130
Bromodichloromethane	5.00	4.286		ug/L		86	70 - 130
Bromoform	5.00	4.372		ug/L		87	70 - 130
Bromomethane	2.00	1.797		ug/L		90	70 - 130
Carbon disulfide	5.00	4.372		ug/L		87	70 - 130
Carbon tetrachloride	5.00	4.499		ug/L		90	70 - 130
Chlorobenzene	5.00	4.348		ug/L		87	70 - 130
Chloroethane	2.00	1.789		ug/L		89	70 - 130
Chloroform	5.00	4.262		ug/L		85	70 - 130
Chloromethane	2.00	1.650		ug/L		83	70 - 130
cis-1,2-Dichloroethene	5.00	4.463		ug/L		89	70 - 130
cis-1,3-Dichloropropene	5.00	4.047		ug/L		81	70 - 130
Dibromochloromethane	5.00	4.278		ug/L		86	70 - 130
Dibromomethane	5.00	4.262		ug/L		85	70 - 130
Dichlorodifluoromethane	2.00	1.615		ug/L		81	70 - 130
di-Isopropyl ether	5.00	4.140		ug/L		83	70 - 130
Ethyl ether	5.00	4.102		ug/L		82	70 - 130
Ethyl t-butyl ether	5.00	4.099		ug/L		82	70 - 130
Ethylbenzene	5.00	4.417		ug/L		88	70 - 130
Freon 113	5.00	4.292		ug/L		86	70 - 130
Hexachlorobutadiene	5.00	4.535		ug/L		91	70 - 130
Isopropylbenzene	5.00	4.381		ug/L		88	70 - 130
m&p-Xylene	10.0	8.930		ug/L		89	70 - 130
Methyl tertiary butyl ether	5.00	4.008		ug/L		80	70 - 130
Methylene Chloride	5.00	4.301		ug/L		86	70 - 130
Naphthalene	5.00	3.771		ug/L		75	70 - 130
n-Butylbenzene	5.00	4.329		ug/L		87	70 - 130
N-Propylbenzene	5.00	4.343		ug/L		87	70 - 130
o-Xylene	5.00	4.287		ug/L		86	70 - 130
p-Isopropyltoluene	5.00	4.486		ug/L		90	70 - 130
sec-Butylbenzene	5.00	4.339		ug/L		87	70 - 130
Styrene	5.00	4.464		ug/L		89	70 - 130

Eurofins New England

QC Sample Results

Client: Stone Environmental
 Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-397672/4
Matrix: Drinking Water
Analysis Batch: 397672

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
t-Amyl methyl ether	5.00	3.974		ug/L		79	70 - 130
t-Butyl alcohol	50.0	46.53		ug/L		93	70 - 130
tert-Butylbenzene	5.00	4.235		ug/L		85	70 - 130
Tetrachloroethene	5.00	4.316		ug/L		86	70 - 130
Tetrahydrofuran	46.9	38.19		ug/L		81	70 - 130
Toluene	5.00	4.304		ug/L		86	70 - 130
trans-1,2-Dichloroethene	5.00	4.328		ug/L		87	70 - 130
Trichloroethene	5.00	4.128		ug/L		83	70 - 130
Trichlorofluoromethane	2.00	1.580		ug/L		79	70 - 130
Vinyl chloride	2.00	1.694		ug/L		85	70 - 130
trans-1,3-Dichloropropene	5.00	4.125		ug/L		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120

QC Association Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

GC/MS VOA

Analysis Batch: 397672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-12778-1	152 Forest Edge - EFF	Total/NA	Drinking Water	524.2	
MB 410-397672/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-397672/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

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Lab Chronicle

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-12778-1

Date Collected: 07/13/23 11:00

Matrix: Drinking Water

Date Received: 07/14/23 09:52

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Analysis	524.2		1	397672	UJML	ELLE	07/17/23 22:05

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

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Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Vermont	State	VT - 36037	10-28-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Drinking Water	1,2-Dibromo-3-Chloropropane
524.2		Drinking Water	1,2-Dibromoethane
524.2		Drinking Water	2-Butanone
524.2		Drinking Water	2-Hexanone
524.2		Drinking Water	4-Methyl-2-pentanone
524.2		Drinking Water	Acetone
524.2		Drinking Water	Acrylonitrile
524.2		Drinking Water	Carbon disulfide
524.2		Drinking Water	di-Isopropyl ether
524.2		Drinking Water	Ethyl ether
524.2		Drinking Water	Ethyl t-butyl ether
524.2		Drinking Water	Freon 113
524.2		Drinking Water	m&p-Xylene
524.2		Drinking Water	o-Xylene
524.2		Drinking Water	t-Amyl methyl ether
524.2		Drinking Water	t-Butyl alcohol
524.2		Drinking Water	Tetrahydrofuran

Method Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Sample Summary

Client: Stone Environmental
Project/Site: Town of Hinesburg Landfill - Hinesburg,

Job ID: 620-12778-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
620-12778-1	152 Forest Edge - EFF	Drinking Water	07/13/23 11:00	07/14/23 09:52

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Chain of Custody Record



620-12778 Chain of Custody

Regulatory Program: DW NPDES RCRA Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Your Company Name here <u>Stone Environmental</u> Address <u>535 Stone Cutters Way</u> City/State/Zip <u>Montpelier VT 05602</u> (xxx) xxx-xxxx Phone <u>802 229 1434</u> (xxx) xxx-xxxx FAX _____ Project Name: <u>Hinesburg LF</u> Site: <u>Hinesburg VT</u> PO # <u>20211205</u>		Project Manager: <u>Katrina Mattice</u> Email: <u>kmattice@stone-env.com</u> Tel/Fax: _____		Site Contact: _____ Date: _____ Lab Contact: _____ Carrier: _____		COC No: <u>1</u> _____ of _____ COCs TALS Project #: _____ Sampler: <u>KJM/LMP</u> For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____ Job / SDG No.: _____		
		Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ <u>WCS 524.2</u>				
Sample Identification		Sample Date	Sample Time			Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
<u>152 Forest Edge - EFF</u>		<u>7/13/23</u>	<u>1100</u>			<u>G</u>	<u>DW</u>	<u>3</u>
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other		Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: <u>EQUIS EZ EDD</u>								
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: _____		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____				
Relinquished by: <u>kmattice</u>		Company: <u>Stone Environmental</u>		Date/Time: <u>7/13/23 1356</u>				
Relinquished by: _____		Company: _____		Date/Time: _____				
Relinquished by: _____		Company: _____		Date/Time: _____				
Relinquished by: _____		Company: _____		Date/Time: _____				
Relinquished by: _____		Company: _____		Date/Time: _____				

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-12778-1

Login Number: 12778

List Number: 1

Creator: Makhoul, Elie

List Source: Eurofins New England

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	
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: Stone Environmental

Job Number: 620-12778-1

Login Number: 12778

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 07/14/23 12:43 PM

Creator: Foreman, Leah M

Question	Answer	Comment
The cooler's custody seal is 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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $>6\text{mm}$ in diameter (none, if from WV)?	True	