

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

907 Beecher Hill Rd., Hinesburg, VT
January 9, 2024



STONE
ENVIRONMENTAL



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REVIEWED BY:

MS

PREPARED FOR:

**Joy Dubin Grossman / Assistant Town Manager
Town of Hinesburg**

10632 VT Route 116

Hinesburg / Vermont / 05461

SUBMITTED BY:

**Katrina Mattice, P.E. / Senior Engineer
Stone Environmental, Inc.**

535 Stone Cutters Way

Montpelier / VT 05602

kmattice@stone-env.com

802.229.6434

Title and Approval Page

Document Title

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

January 9, 2024

Document Prepared by:

Stone Environmental, Inc., 535 Stone Cutters Way, Montpelier, VT 05602 (802) 229-4541

Document Preparer Approvals:

Michael Smith, Senior Hydrogeologist, Stone Environmental, Inc.



1/8/2024

Signature

Date

Katrina Mattice, PE, Senior Engineer, Stone Environmental, Inc.

By my signature, as a Vermont Registered Engineer that I hereby certify that I have reviewed this document.



1/9/2024

Signature

Date

Executive Summary

Stone Environmental, Inc (Stone) has prepared this report to summarize findings from October 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 landfill cap was improved in November 2022 and solar arrays were installed on the landfill in September 2023. 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 October 2023 and an additional drinking water sampling event was performed in November 2023. Six 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 Fall 2023 groundwater monitoring, Stone presents the following conclusions:

- Total regulated PFAS exceeded VGES in both the overburden and bedrock groundwater in MW-3S, MW-3D, and MW-4S as well as water supply well 907 Beecher Hill Road (Hinesburg Highway Garage).
 - 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.
 - There are increasing concentrations of PFAS in both overburden wells MW-3S and MW-4S.
- Arsenic was detected above VGES in groundwater collected from wells MW-2S, MW-3S, MW-3D, and MW-4S. Manganese exceeded VGES in MW-2S, MW-3S, and MW-3D.
 - The generally reducing groundwater environment observed southeast of the landfill may be driving reductive dissolution of heavy metals from landfill material or from native soils. Reducing conditions were not observed in MW-3S and MW-3D, but both wells had metal concentrations exceeding VGES.
 - There are probably increasing concentrations of arsenic in MW-3D.
- Chloride concentrations in groundwater samples ranged between below laboratory reporting limits ($<7,500 \mu\text{g/L}$) to $38,400 \mu\text{g/L}$ (MW-3D). Sodium concentrations in groundwater ranged from $2,630 \mu\text{g/L}$ (MW-1R) to $71,600 \mu\text{g/L}$ (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 in all monitoring wells.
 - The relatively low COD concentrations are consistent with a mature closed landfill.
- Drinking water supply well, 907 Beecher Hill Road (Hinesburg Highway Garage), 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, PFOS, PFHpA and PFHxS below VGES/DWHA during the October 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 907 Beecher Hill Road (Hinesburg 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 in the mid location during the November 2023 sampling event; however the methylene chloride concentration was below the VGES.
- Drinking water samples were collected from six drinking water supply wells in October 2023. VOCs and PFAS were not detected above laboratory reporting limits in any of the water supply wells during either event.

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- 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 four 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 three rounds of data with all non-detect at the laboratory reporting limit for VOCs and PFAS.
 - Location 455 North Road, shallow dug well continues to have detections of PFOS below the VGES. The water supply at this location is used for wash water for a construction company.
 - 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. Monitoring wells MW-2S/-2D have been comprised and will need to be either repaired or replaced.
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. Continue semi-annual monitoring of 455 North Road.
4. Continued semi-annual monitoring of POET systems including 152 Forest Edge Road, 56 Forest Edge Road, 685 Beecher Hill Road, and 907 Beecher Hill Road (Hinesburg Highway Garage) for PFAS and VOCs.
5. Continued operations and maintenance of the POET systems. The carbon vessel at 152 Forest Edge Road is scheduled to be replaced on January 5, 2024, by moving the lag to the lead and installing a new lag vessel.
6. Cease monitoring at the six water supply wells that have not had detections of PFAS or VOCs above the laboratory reporting limit. The water supply wells 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

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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 Fall 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.

In January 2023, the Town of Hinesburg submitted an Amendment to the Post-Closure Certification to allow for construction of the Hinesburg Landfill Solar Project. The amendment was prepared by Sanborn Head for the developer Aegis Renewable Energy, Inc. Solar arrays were installed on the landfill in September 2023 including the installation of three rows of solar arrays with a west to east orientation.

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 and May 2023. 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. Drinking water at residential properties surrounding the landfill were assessed in both May and October 2023 and the results of the October 2023 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 2023 monitoring:

1. There was an error in the data set for the VOC results from sampling the POET system at 152 Forest Edge Road during the October 2023 sampling event, where it appeared the influent and mid location samples were inadvertently switched. Stone returned to 152 Forest Edge Road on November 27, 2023 and resampled the influent, mid and effluent location for VOC analysis.
2. Monitoring well MW-2D was not sampled. The monitoring well appears comprised where the water level became stuck during gauging. Based on the age and depth of the well (110 feet) it is presumed the well has shifted overtime and needs to be reinstalled.
3. Monitoring well MW-2S was sampled, however upon retrieval of the bladder pump the monitoring well polyvinyl chloride (PVC) riser pulled up out of the ground by several feet. It appears the PVC riser separated from the remainder of the well was grouted in the ground. The PVC riser was pushed back into the ground however the well needs to be repaired or reinstalled.

2.2. Low Flow Groundwater Sampling

Six monitoring wells were sampled, including MW-1R, MW-2S, 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 high density polyethylene (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 Environment Testing of North Kingston, Rhode Island (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

POET system maintenance performed during this monitoring period included sediment filter changeout at 907 Beecher Hill Road (Hinesburg Highway Garage) on August 30 and December 22, 2023, at 685 Beecher Hill Road on September 22, 2023, at 56 Forest Edge Road on October 18, 2023, and at 152 Forest Edge Road on December 1, 2023.

The UV light was changed at 152 Forest Edge Road on December 1, 2023 and at 907 Beecher Hill Road (Hinesburg Highway Garage) on December 22, 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 on October 11, 2023. Samples were collected from before treatment if present (for example softener system), or from the tap or outdoor spigot if treatment was not present. 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). The POET system samples were collected on October 10, 2023 (152 Forest Edge Road) and October 11, 2023 (56 Forest Edge Road, 685 Beecher Hill Road, and 907 Beecher Hill Road)

Drinking water samples were collected in appropriate containers, placed in an ice-filled cooler, and transported under chain of custody procedures to Eurofins. 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: October 2023 Groundwater and Drinking Water PFAS Analytical Results
- Table C-2: October 2023 Groundwater and Drinking Water VOC Analytical Results
- Table C-3: October 2023 Groundwater Metals Analytical Results
- Table C-4: October 2023 Groundwater Wet Chemistry Analytical Results
- Table C-5: November 2023 Drinking Water VOC Analytical Results
- Table C-6 through Table C-15: 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 565.97 (MW-3S) to 641.51 (MW-1R) as measured on October 10 and 11, 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 545.57 (MW-3D) to 558.27 (MW-4D) as measured on October 10 and 11, 2023. The direction of bedrock groundwater flow is generally to the southeast at an approximate 3.6% 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, Fall 2023

Location ID	Date of Measurement	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Water Table Elevation (feet)
MW-1R	October 11, 2023	676.51	34.56	641.51
MW-2S	October 10, 2023	658.79	43.90	614.89
MW-3S	October 10, 2023	598.25	32.28	565.97
MW-3D	October 10, 2023	596.17	50.60	545.57

Location ID	Date of Measurement	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Water Table Elevation (feet)
MW-4S	October 11, 2023	624.35	37.83	586.52
MW-4D	October 11, 2023	623.17	64.90	558.27

3.3. Groundwater Quality Results

3.3.1. Physiochemical Parameters

The physiochemical properties measured at the end of low flow purging on October 10 and 11, 2023 are presented in Table 2, below:

Table 2: Physical and Chemical Parameters, Fall 2023

Location	Temperature (°C)	pH (s.u.)	DO (mg/L)	ORP (mV)	Conductivity (µS)	Turbidity (NTU)
MW-1R	11.3	8.52	6.15	62	89	4.4
MW-2S	11.2	7.10	10.70	-75	583	11.0
MW-3S	13.3	6.68	0.11	143	1,038	6.8
MW-3D	11.5	6.84	0.15	138	1,271	6.0
MW-4S	12.3	6.90	0.50	15	611	4.8
MW-4D	11.5	7.71	4.70	74	458	217.0

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.

Measured ORP values varied between 143 mV in MW-3S to -75 mV in MW-2S. DO values ranged from 10.70 mg/L in MW-2S to 0.11 mg/L in MW-3S.

3.3.2. Per- and Polyfluoroalkyl Substances

PFHpA, PFHxS, and PFOA were detected in groundwater above their respective VGES in monitoring wells MW-3D, PFHpA and PFOA in MW-3S, and PFOA was detected above the VGES in monitoring well MW-4S. 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-2S and were not detected above the laboratory reporting limit in MW-1R and MW-4D.

Table 3: Regulated PFAS Exceedances in Groundwater, Fall 2023

Location	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
MW-1R	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U	1.95 U
MW-2S	2.32	1.86 U	1.86 U	5.13	8.09	15.54

Location	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
MW-3S	32.1	13.7	1.81 U	2.33	69.5	177.6
MW-3D	47.7	29.5	1.87 U	4.78	120	202
MW-4S	13.1	7.57	1.84 U	1.84 U	54.5	75.2
MW-4D	1.81 U	1.81 U	1.81 U	1.81 U	1.81 U	1.81 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 fall 2023 sampling event. Benzene was detected below the VGES in MW-3D, and MW-4S. Chlorobenzene was detected below the VGES in MW-3S and MW-4S and 1,4-dichlorobenzene was detected below the VGES in MW-4S. Vinyl chloride was detected below the VGES in MW-3D.

Tetrahydrofuran and ethyl ether were detected in MW-3S, MW-3D and MW-4S; no standard exists for either compound.

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-2S, MW-3S, MW-3D, and MW-4S. Manganese was detected above VGES in MW-2S, MW-3S, and MW-3D. Several other metals were detected below the VGES (or no standard exists), including copper, iron, nickel, and sodium. Metal exceedances are summarized in Table 4, below.

Table 4: Total Metals Exceedances in Groundwater, Fall 2023

Location	Arsenic	Manganese
MW-1R	8.0 U	17
MW-2S	139	1070
MW-3S	13.8	4010
MW-3D	17.1	2210
MW-4S	184	133

Location	Arsenic	Manganese
MW-4D	8.0 U	92.1
VGES (µg/L)	10	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-2S, MW-4D) to 38,400 µg/L (MW-3D). There is currently no VGES for chloride.

3.3.6. Chemical Oxygen Demand

COD was not detected in any groundwater samples above the laboratory reporting limit. There is currently no VGES for COD.

3.4. Water Supply Well Results

3.4.1. Per- and Polyfluoroalkyl Substances

During the October 2023 POET system water supply sampling event, the sum of the five regulated PFAS compounds exceeded the 20 ng/L DWHA/VGES in the influent sample from 907 Beecher Hill Road (Hinesburg Highway Garage). PFAS were detected in 56 Forest Edge Road influent, 152 Forest Edge Road influent, and 685 Beecher Hill Road influent; the detections were below the VGES. For water supply wells, the only location with PFAS detection was 455 North Road, all remaining locations did not have PFAS detected above the laboratory reporting limit.

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

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

Sample ID	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
56 Forest Edge Road-INF	3.05	1.87	1.72 U	4.83	6.02	15.77
907 Beecher Hill Road-INF	10.8	7.97	1.66 U	1.66 U	34.0	53.0
152 Forest Edge Rd-INF	2.89	1.65 U	1.65 U	1.65 U	3.24	6.13
685 Beecher Hill Road - INF	2.84	1.90	1.74 U	4.55	5.86	15.15

Sample ID	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
455 North Road	1.69 U	1.69 U	1.69 U	3.44	1.69 U	3.44
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

Methylene chloride was detected above DWHA/VGES in the 152-Forest Edge Road POET at both the influent ($12.2 \mu\text{g/L}$) and mid ($1.97 \mu\text{g/L}$) locations. Other VOCs were detected in low concentrations in drinking water samples, however below their respective VGES if a VGES is established. VOC detections in drinking water samples from the October 2023 sampling event are summarized in Table 6, below.

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

Sample ID	Dichlorodifluoromethane	Ethyl Ether	MTBE	Methylene Chloride	Tetrahydrofuran	Chloroform
907 Beecher-INF	2.22	7.97	0.896	0.521	22.6	0.5 U
152 Forest Edge Rd-INF	0.5 U	6.47	0.5 U	12.2	18.4	0.5 U
152 Forest Edge Rd-MID	0.5 U	0.5 U	0.5 U	1.97	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	0.531
685 Beecher Hill Rd-INF	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.581
DWHA / VGES ($\mu\text{g/L}$)	NE	NE	11.0	5.0	NE	NE

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 October 10, 2023, are presented in Table 7, below.

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

Location	Temperature ($^{\circ}\text{C}$)	pH (s.u.)	DO (mg/L)	ORP (mV)	Conductivity (μS)	Turbidity (NTU)
SW-1	10.2	8.00	7.63	70.7	128.8	0.85

Location	Temperature (°C)	pH (s.u.)	DO (mg/L)	ORP (mV)	Conductivity (µS)	Turbidity (NTU)
SW-2	10.3	8.00	8.28	84.0	171.8	1.59

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 Mann Kendall trend analysis (GSI, 2012). The Mann-Kendall trend analysis includes the following statistics:

- The ‘S’ Statistic: Indicates whether concentration trend vs. time is generally decreasing (negative S value) or increasing (positive S value).
- The Confidence Factor (CF): The CF value modifies the S Statistic calculation to indicate the degree of confidence in the trend result, as in ‘Decreasing’ vs. ‘Probably Decreasing’ or ‘Increasing’ vs. ‘Probably Increasing.’ Additionally, if the confidence factor is quite low, due either to considerable variability in concentrations vs. time or little change in concentrations vs. time, the CF is used to apply a preliminary ‘No Trend’ classification, pending consideration of the Coefficient of Variation (COV).
- The Coefficient of Variation (COV): The COV is used to distinguish between a ‘No Trend’ result (significant scatter in concentration trend vs. time) and a ‘Stable’ result (limited variability in concentration vs. time) for datasets with no significant increasing or decreasing trend (e.g. low CF).

As depicted in Table 8 below, total regulated PFAS trend at MW-3S and MW-4S are increasing while there is no trend at MW-3D, 907 Beecher Hill Road (Hinesburg Highway Garage) and 685 Beecher Hill Road/56 Forest Edge Road.

Table 8: Total Regulated PFAS Trend Analysis - Groundwater

Location ID	Concentration Trend	Mann-Kendall Statistic (S)	CF	COV	Frequency above VGES
MW-3S	Increasing	8	95.8%	0.38	5/5
MW-3D	No Trend	6	88.3%	0.10	5/5
MW-4S	Increasing	10	99.2%	0.36	5/5
907 Beecher Hill	No Trend	7	86.4%	0.07	6/6
685 Beecher Hill/ 56 Forest Edge	No Trend	5	76.5%	0.44	2/6

Notes: Confidence in Trend = Confidence (in percent) that constituent concentrations are increasing (S>0) or decreasing (S<0): >95% = increasing or decreasing, ≥90% = probably increasing or probably decreasing, <90% and S>0 = No trend, <90%, S≤0 and COV ≥ 1 = No trend, <90%, S≤0 and COV <1 = Stable.

As depicted in Table 9 below, there is no trend for methylene chloride in 152 Forest Edge Road.

Table 9: Methylene Chloride Trend Analysis - Groundwater

Location ID	Concentration Trend	Mann-Kendall Statistic (S)	CF	COV	Frequency above VGES
152 Forest Edge	No Trend	9	88.1%	0.13	7/7

Notes: Confidence in Trend = Confidence (in percent) that constituent concentrations are increasing (S>0) or decreasing (S<0): >95% = increasing or decreasing, ≥90% = probably increasing or probably decreasing, <90% and S>0 = No trend, <90%, S≤0 and COV ≥ 1 = No trend, <90%, S≤0 and COV < 1 = Stable.

As depicted in Table 10 below, manganese in MW-1R is decreasing, is stable in MW-2S, MW-4S and MW-4D, while there is no trend in MW-2D, MW-3S, and MW-3D.

Table 10: Manganese Trend Analysis - Groundwater

Location ID	Concentration Trend	Mann-Kendall Statistic (S)	CF	COV	Frequency above VGES
MW-1R	Decreasing	-6	95.8%	0.76	1/4
MW-2S	Stable	-2	59.2%	0.10	5/5
MW-2D	No Trend	2	62.5%	0.61	1/4
MW-3S	No Trend	6	88.3%	0.21	5/5
MW-3D	No Trend	5	76.5%	0.29	6/6
MW-4S	Stable	-6	88.3%	0.74	2/5
MW-4D	Stable	-2	59.2%	0.76	2/5

Notes: Confidence in Trend = Confidence (in percent) that constituent concentrations are increasing (S>0) or decreasing (S<0): >95% = increasing or decreasing, ≥90% = probably increasing or probably decreasing, <90% and S>0 = No trend, <90%, S≤0 and COV ≥ 1 = No trend, <90%, S≤0 and COV < 1 = Stable.

As depicted in Table 11 below, arsenic has no trend in MW-2S, MW-2D, MW-3S, and MW-4S while there is a probably increasing trend in MW-3D.

Table 11: Arsenic Trend Analysis - Groundwater

Location ID	Concentration Trend	Mann-Kendall Statistic (S)	CF	COV	Frequency above VGES
MW-2S	No Trend	4	75.8%	0.15	5/5
MW-2D	No Trend	2	62.5%	0.75	3/4
MW-3S	No Trend	-6	88.3%	1.34	4/5
MW-3D	Probably Increasing	9	93.2%	0.51	5/6
MW-4S	No Trend	4	75.8%	0.38	5/5

Notes: Confidence in Trend = Confidence (in percent) that constituent concentrations are increasing (S>0) or decreasing (S<0): >95% = increasing or decreasing, ≥90% = probably increasing or probably decreasing, <90% and S>0 = No trend, <90%, S≤0 and COV ≥ 1 = No trend, <90%, S≤0 and COV < 1 = Stable.

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 October 2023 were collected from 455 North Rd and MW-3S. RPDs for PFAS was 4% at 455 North Rd for the only detected compound, PFOS and ranged from 0% (perfluorohexanoic acid and PFOS) to 28% (perfluoropentanesulfonic acid) at MW-3S. RPDs for VOCs ranged from 3% (ethyl ether) to 4% (tetrahydrofuran) at MW-3S and VOCs were not detected at 455 North Rd therefore and RPD could not be calculated. RPDs for metals ranged from 5% (sodium) to 32% (iron) at MW-3S, and metals were not collected at 455 North Road. RPDs for chloride at MW-3S was 1%.

All drinking water and groundwater RPDs are within the EPA acceptance criteria of 30% for the aqueous matrix except for iron at location MW-3S. For iron, the higher of the two results will be used for decision making purposes and the data is considered usable because all other metal compounds RPDs were within the EPA acceptance criteria.

3.7.2. Trip Blanks

Trip blanks were included during shipments from October and November 2023. Trip blanks collected on October 10 and October 11, 2023 had no VOC detections. Acetone was detected in the trip blank collected on November 27, 2023; however, acetone was not detected in the normal samples. Acetone is likely a laboratory contaminant.

3.7.3. Field Reagent Blank

Field reagent blanks collected on October 10 and 11, 2023 had no detections of PFAS.

3.7.4. Equipment Blank

An equipment blank was collected from the bladder pump (EB101023) following decontamination procedures for PFAS, VOCs, metals and wet chemistry analysis. PFAS, metals and wet chemistry were not detected above the laboratory reporting limit. Chloroform was detected in the equipment blank at 5.88 ug/L and possibly due to a chlorinated water source being used for the blank water. Chloroform does not have a VGES therefore the data was not qualified.

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 may be 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 the 2021 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 is also to the south-southeast however 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. Vinyl chloride was detected in MW-3D but has not been detected above the VGES since June 2021. Methylene chloride was detected at two locations in October 2023 including 152 Forest Edge Road (southwest) and 907 Beecher Hill Rd (southeast). Ethyl ether was detected in both overburden and bedrock wells in MW-3S, MW-3D, and MW-4S, while tetrahydrofuran was detected in MW-3S, MW-3D, and MW-4S. Ethyl ether and tetrahydrofuran were 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.

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, and for the first time since monitoring has initiated in 2021, methylene chloride was detected in bedrock southeast of 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 detections in monitoring wells surrounding the landfill, or methylene chloride is from another source.

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).

The only PFAS detected at 455 North Rd is PFOS indicating there may be another source of PFAS at this location because based on the distance 455 North Rd is from the landfill we surmise there should be terminal carboxylates compounds detected in addition to PFOS.

4.3.4. Total Metals

The generally reducing groundwater environment observed southwest of 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 and southwest 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 12 presents the potentially affected media, pathways, and receptors.

Table 12: 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 13 present the drinking water wells.

Table 13: 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
							6/9/22
	Kevin & Erin Dente	56 Forest's Edge Road/ Southwest/ No	NA	NA	Overburden (shared with Hurd & Cioffari)	NA	10/20/22
							1/27/23
							5/31/23
							10/11/23

Well Report Number/ Tag	Owner Name	Address/ Location/ Adjoining	Well Depth (ft)	Overburden Thickness (ft)	Well Type	Bedrock Type	Sample Date
NA	Jason & Ashley Turner	152 Forest's Edge Road/ Southwest/ Yes	NA	NA	Bedrock	NA	6/21/21
							7/20/21
							11/4/21
							5/17/22
							10/20/22
							5/31/23
							7/13/23
							10/10/23
11/27/23							
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							
10/11/23							
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	1/24/22 (no VOC or PFAS detections)
NA	Laura and Samuel Wisniewski	714 Beecher Hill Rd/ Southwest/ No	NA	NA	NA	NA	9/23/21
							4/5/23
							6/14/23
							10/11/23
							(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
							10/11/23
							(no VOCs or PFAS detections)

Well Report Number/ Tag	Owner Name	Address/ Location/ Adjoining	Well Depth (ft)	Overburden Thickness (ft)	Well Type	Bedrock Type	Sample Date
							7/20/21 3/21/23 6/14/23 10/11/23 (no VOCs or PFAS detections)
128	Tyler Eastman and Jessica Godfrey	794 Beecher Hill Rd/ South/ Yes	123	76	Bedrock	Brown and gray bedrock	
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 10/11/23 (no VOCs or PFAS detections)
272/J-62	Timothy & Linda Parent (shared with Jeffry Parent, Elizabeth Parent & Jeffrey Stein)	413 North Road/ South/ Yes	225	55	Bedrock	Decayed schist	9/28/21 3/21/23 6/14/23 10/11/23 (no VOCs or PFAS detections)
NA	Timothy & Linda Parent	455 North Road/ South/ Yes	NA	NA	Overburden	NA	4/5/2023 5/31/2023 10/11/23
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 10/11/23 (no VOCs or PFAS detections)

Well Report Number/ Tag	Owner Name	Address/ Location/ Adjoining	Well Depth (ft)	Overburden Thickness (ft)	Well Type	Bedrock Type	Sample Date
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 Fall 2023 groundwater monitoring, Stone presents the following conclusions:

- Total regulated PFAS exceeded VGES in both the overburden and bedrock groundwater in MW-3S, MW-3D, and MW-4S as well as water supply well 907 Beecher Hill Road (Hinesburg Highway Garage).
 - 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.
 - There are increasing concentrations of PFAS in both overburden wells MW-3S and MW-4S.
- Arsenic was detected above VGES in groundwater collected from wells MW-2S, MW-3S, MW-3D, and MW-4S. Manganese exceeded VGES in MW-2S, MW-3S, and MW-3D.
 - The generally reducing groundwater environment observed southeast of the landfill may be driving reductive dissolution of heavy metals from landfill material or from native soils. Reducing conditions were not observed in MW-3S and MW-3D, but both wells had metal concentrations exceeding VGES.
 - There are probably increasing concentrations of arsenic in MW-3D.
- Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<7,500 µg/L) to 38,400 µg/L (MW-3D). Sodium concentrations in groundwater ranged from 2,630 µg/L (MW-1R) to 71,600 µg/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 in all monitoring wells.
 - The relatively low COD concentrations are consistent with a mature closed landfill.
- Drinking water supply well, 907 Beecher Hill Road (Hinesburg Highway Garage), 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, PFOS, PFHpA and PFHxS below VGES/DWHA during the October 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 907 Beecher Hill Road (Hinesburg 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 in the mid location during the November 2023 sampling event; however the methylene chloride concentration was below the VGES.
- Drinking water samples were collected from six drinking water supply wells in October 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 four 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 three rounds of data will all non-detect at the laboratory reporting limit for VOCs and PFAS.
- Location 455 North Road, shallow dug well continues to have detections of PFOS below the VGES. The water supply at this location is used for wash water for a construction company.
- 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. Monitoring wells MW-2S/-2D have been comprised and will need to be either repaired or replaced.
2. 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.
3. 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.
4. Continue semi-annual monitoring of 455 North Road.
5. Continued semi-annual monitoring of POET systems including 152 Forest Edge Road, 56 Forest Edge Road, 685 Beecher Hill Road, and 907 Beecher Hill Road (Hinesburg Highway Garage) for PFAS and VOCs.
6. Continued operations and maintenance of the POET systems. The carbon vessel at 152 Forest Edge Road is scheduled to be replaced on January 5, 2024, by moving the lag to the lead and installing a new lag vessel.
7. Cease monitoring at the six water supply wells that have not had detections of PFAS or VOCs above the laboratory reporting limit. The water supply wells 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

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*
- GSI, 2012, *GSI Mann-Kendall Toolkit for Constituent Trend Analysis, User's Manual, Version 1.0*, November.
- 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

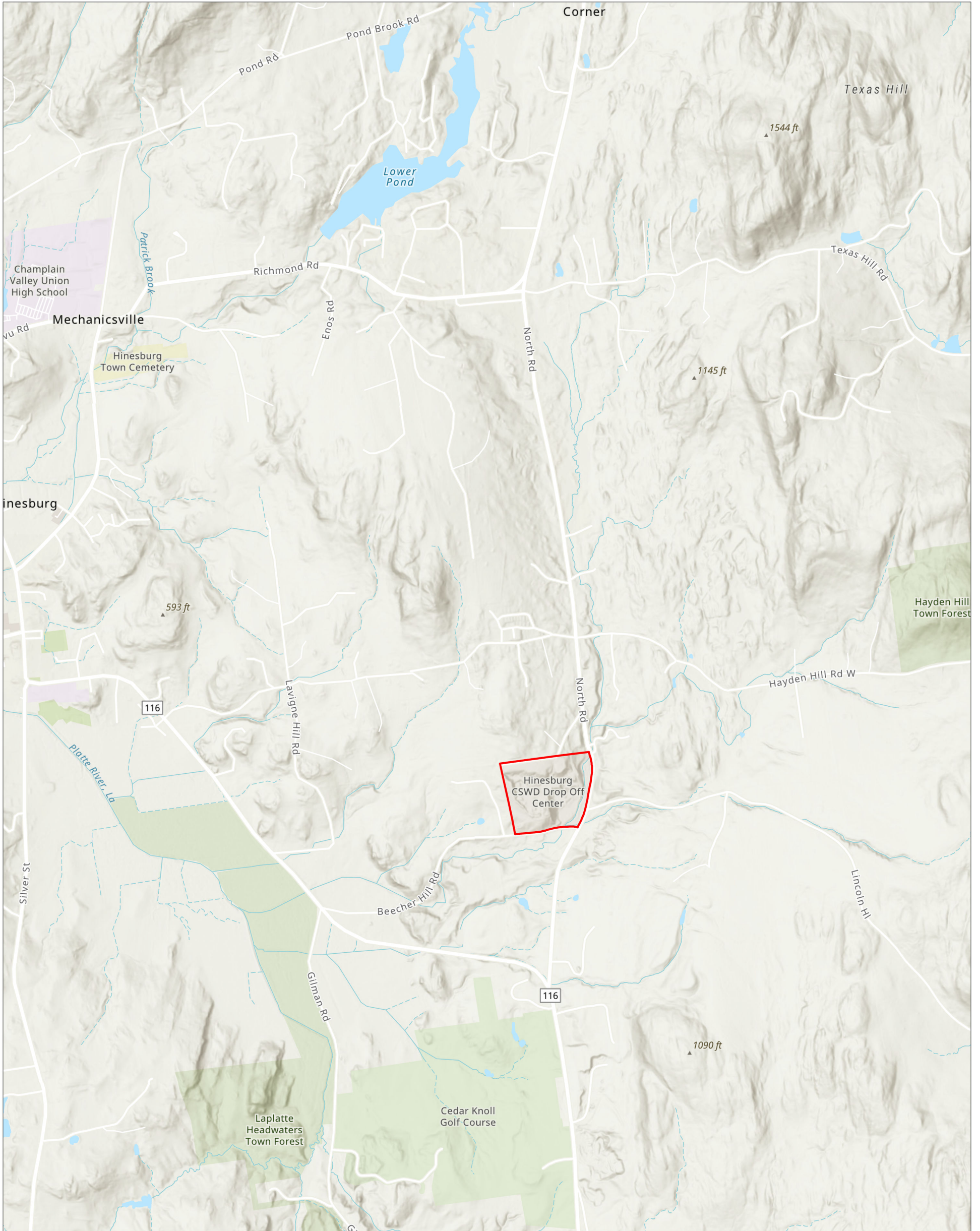
Figure 4: Potentiometric Surface in Overburden Aquifer

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

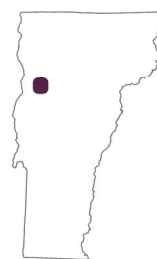
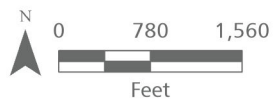


Figure 1: Location Map

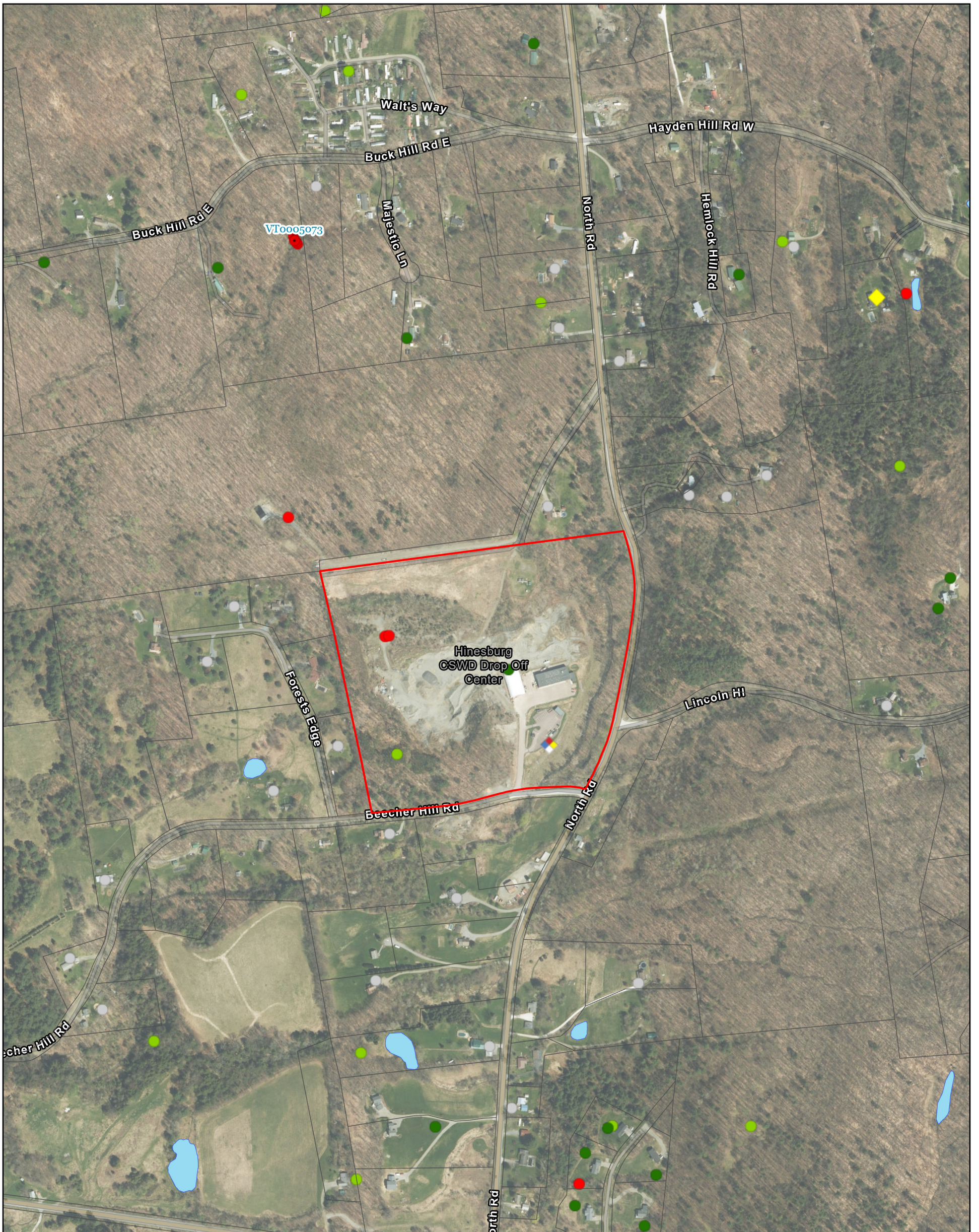
Hinesburg Landfill Post-Closure
Monitoring Plan

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

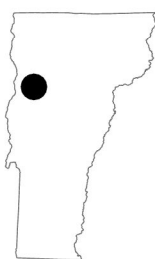
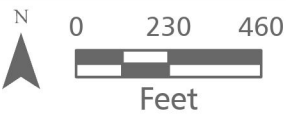


Figure 2: Vicinity Map

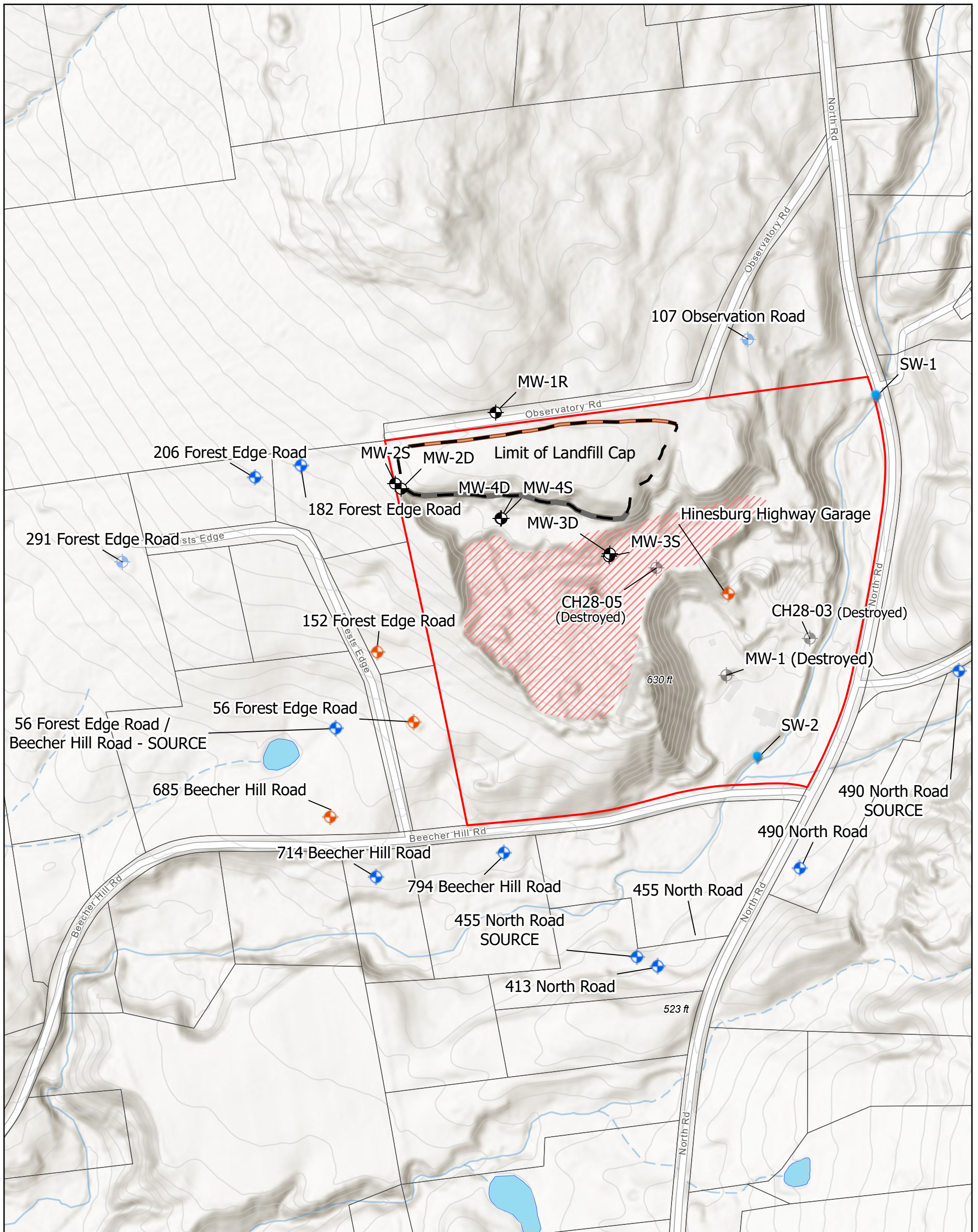
Hinesburg Landfill Post-Closure
Monitoring Plan

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 |
| 10-ft Contour | Drinking Water with POET System |
| Drainage Swale | POET System |
| Stone Apron | |

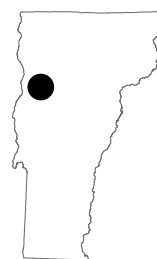
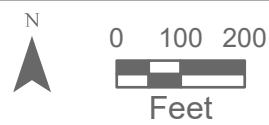


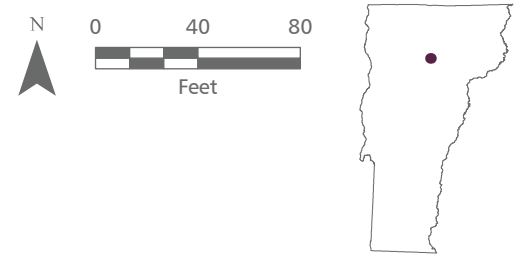
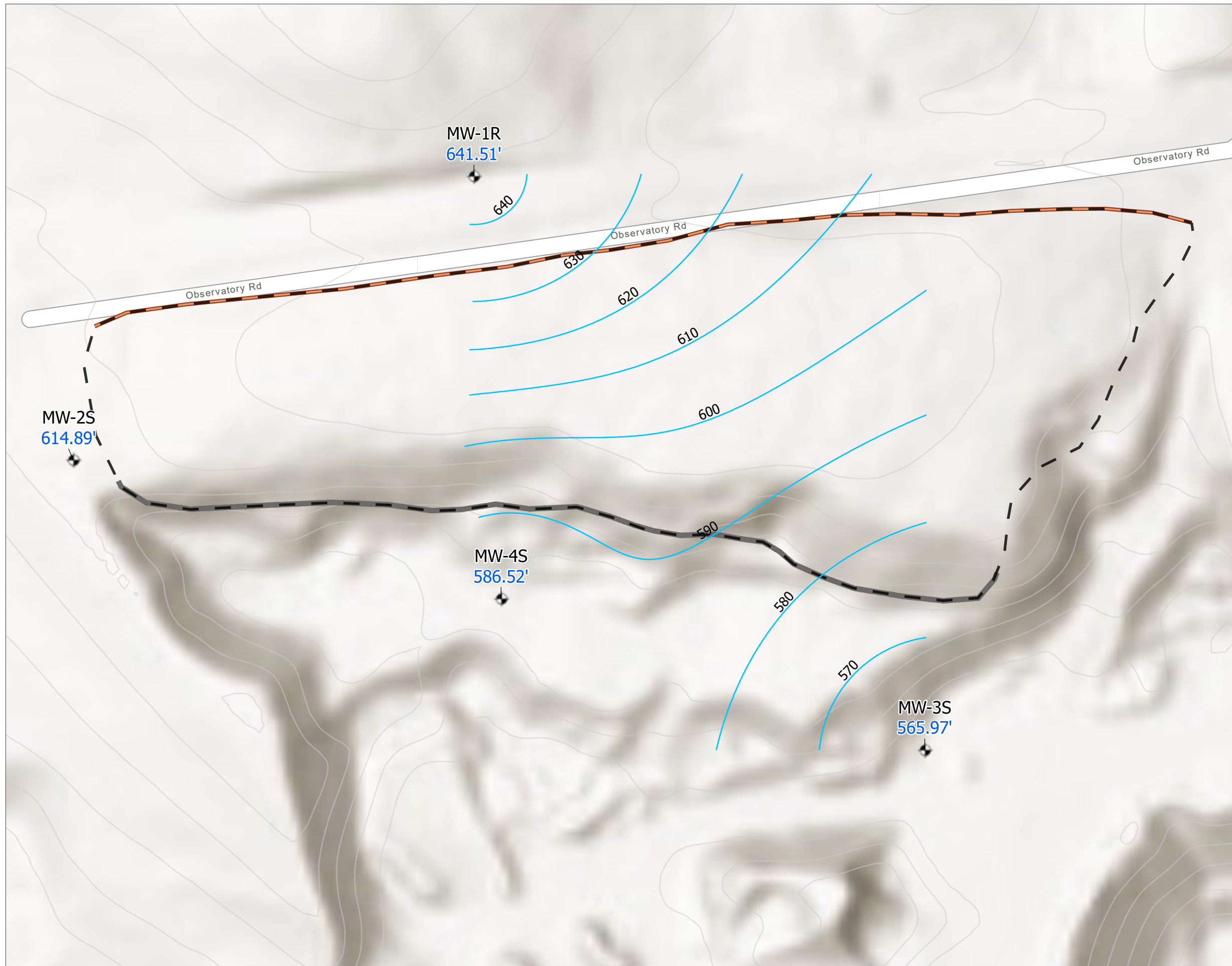
Figure 3: Site Map with Post-Closure Monitoring Locations

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: 1/9/2024 8:48 AM by Irajnak



LEGEND

- Site Boundary
- Property Boundary
- Limit of Landfill Cap
- VT 10 ft Contour Lines
- Stone Apron
- Drainage Swale
- Monitoring Well
- Groundwater Contour

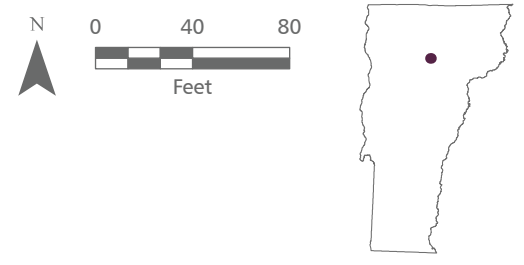
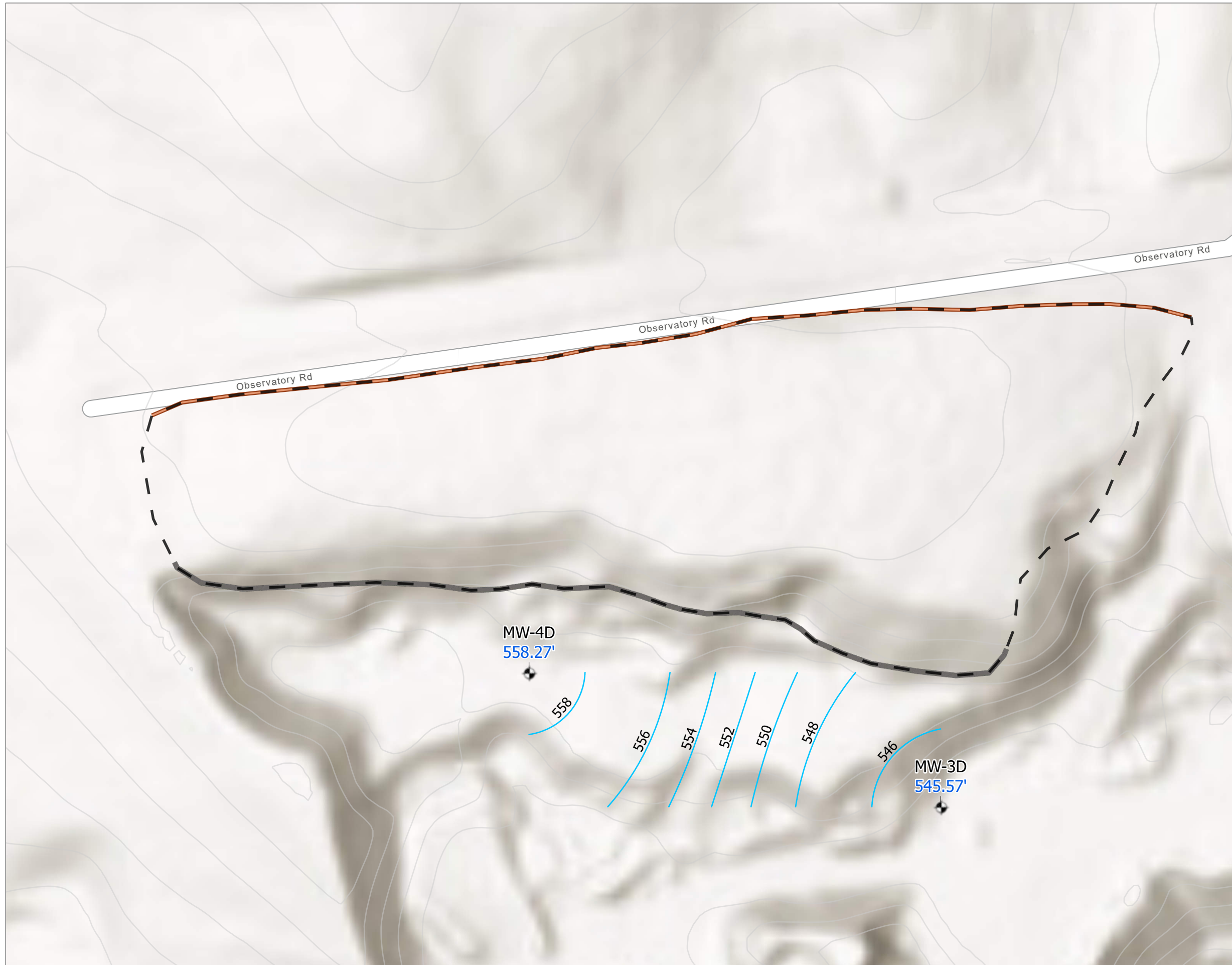
Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 4 - Shallow Contours Exported:

Figure 4: Potentiometric Surface in Overburden Groundwater

Hinesburg Landfill Fall 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg





LEGEND

- Property Boundary
- Limit of Landfill Cap
- VT 2 ft Contour Lines
- Stone Apron
- Drainage Swale
- Monitoring Well
- Groundwater Contour

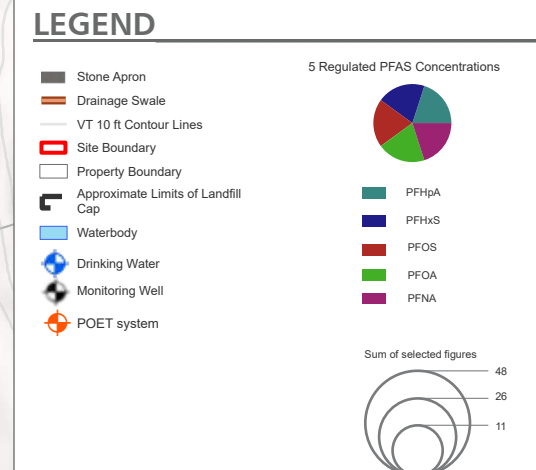
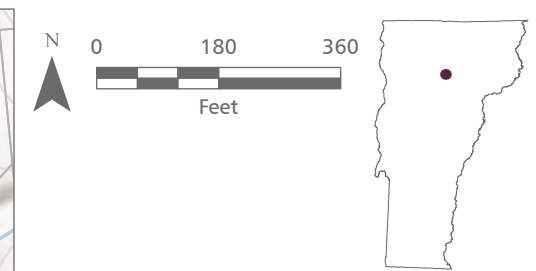
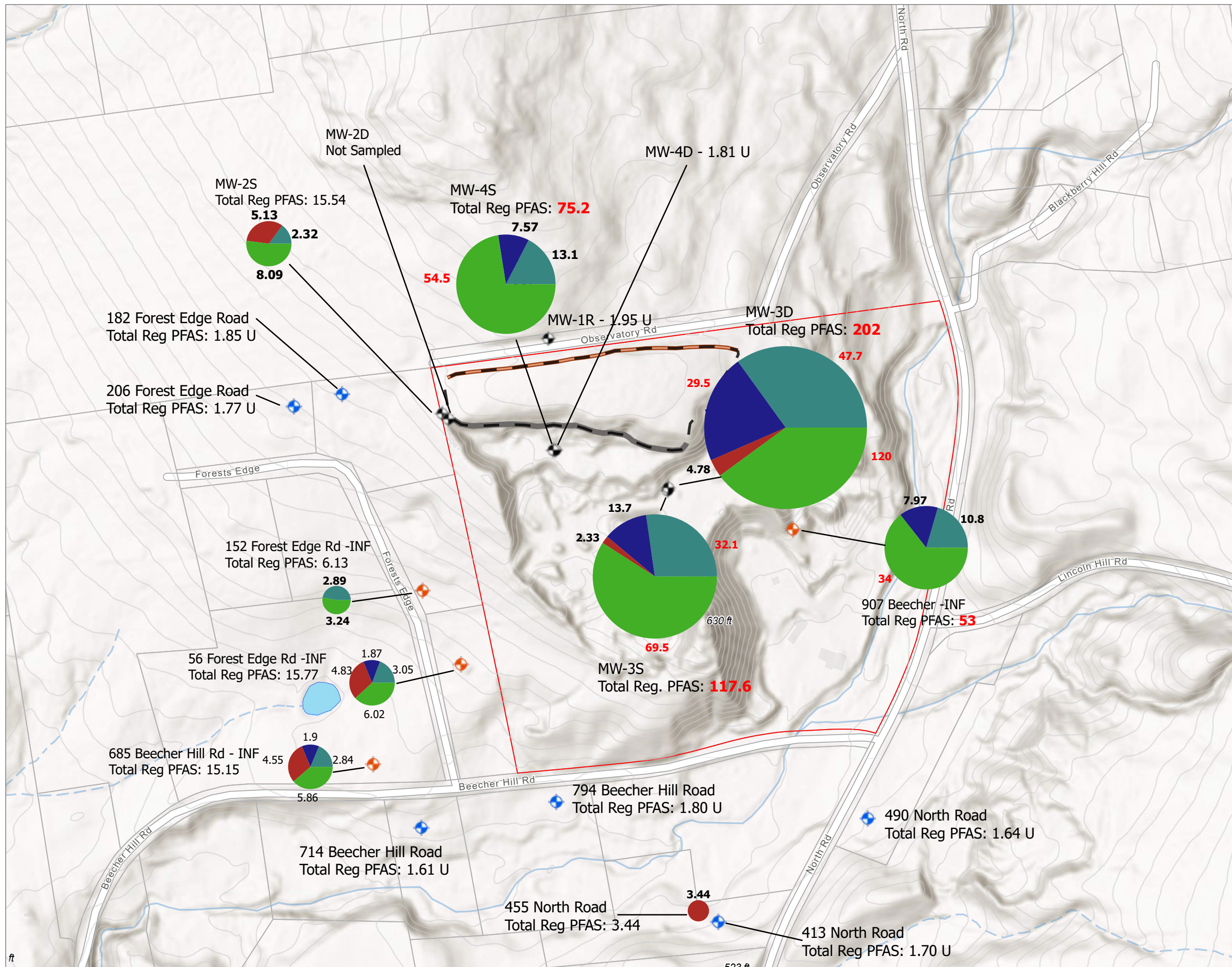
Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 5 - Deep Contours
 Exported: 12/27/2023 11:36 AM by Ipillai

Figure 5: Potentiometric Surface in Bedrock Groundwater

Hinesburg Landfill Fall 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg

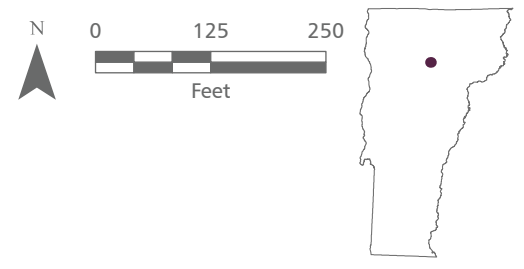
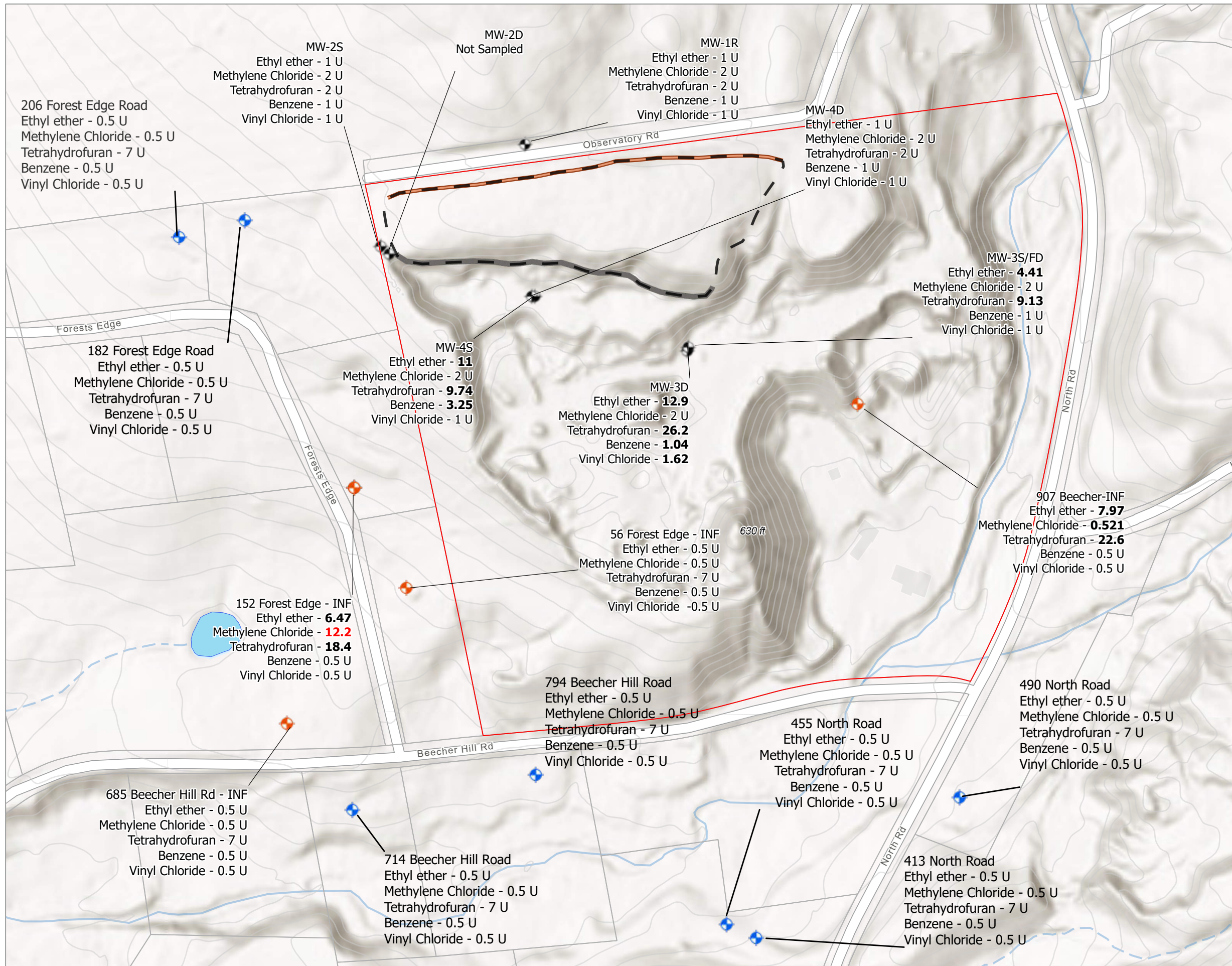




Notes:
 U - Analyte not detected; limit of quantitation listed
 Bold results indicate detections of the analyte
 Red results indicate an exceedance of the DWHA/VGES enforcement standard of 20 ng/L
 Only detections of the five regulated compounds shown: PFHpA, PFHxS, PFNA, PFOS, PFOA

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 Hinesburg Landfill.aprx Figure 6 - PFAS in Groundwater Exported: 1/5/2024 2:57 PM by lpillai

Figure 6: PFAS Concentrations in Groundwater and Drinking Water
 Hinesburg Landfill Fall 2023 Semi-Annual Monitoring Report
 Prepared For Town of Hinesburg
 STONE ENVIRONMENTAL



LEGEND

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

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/VGES Standards:
 Methylene Chloride - 5 ug/L
 Ethyl Ether - Not Established
 Tetrahydrofuran - Not Established
 Benzene - 5 ug/L
 Vinyl Chloride - 2 ug/L

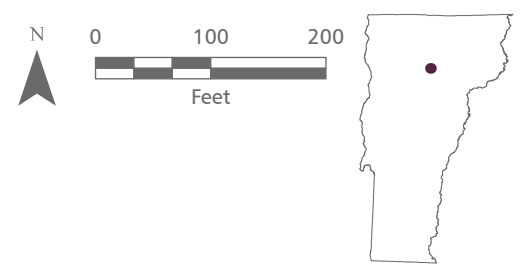
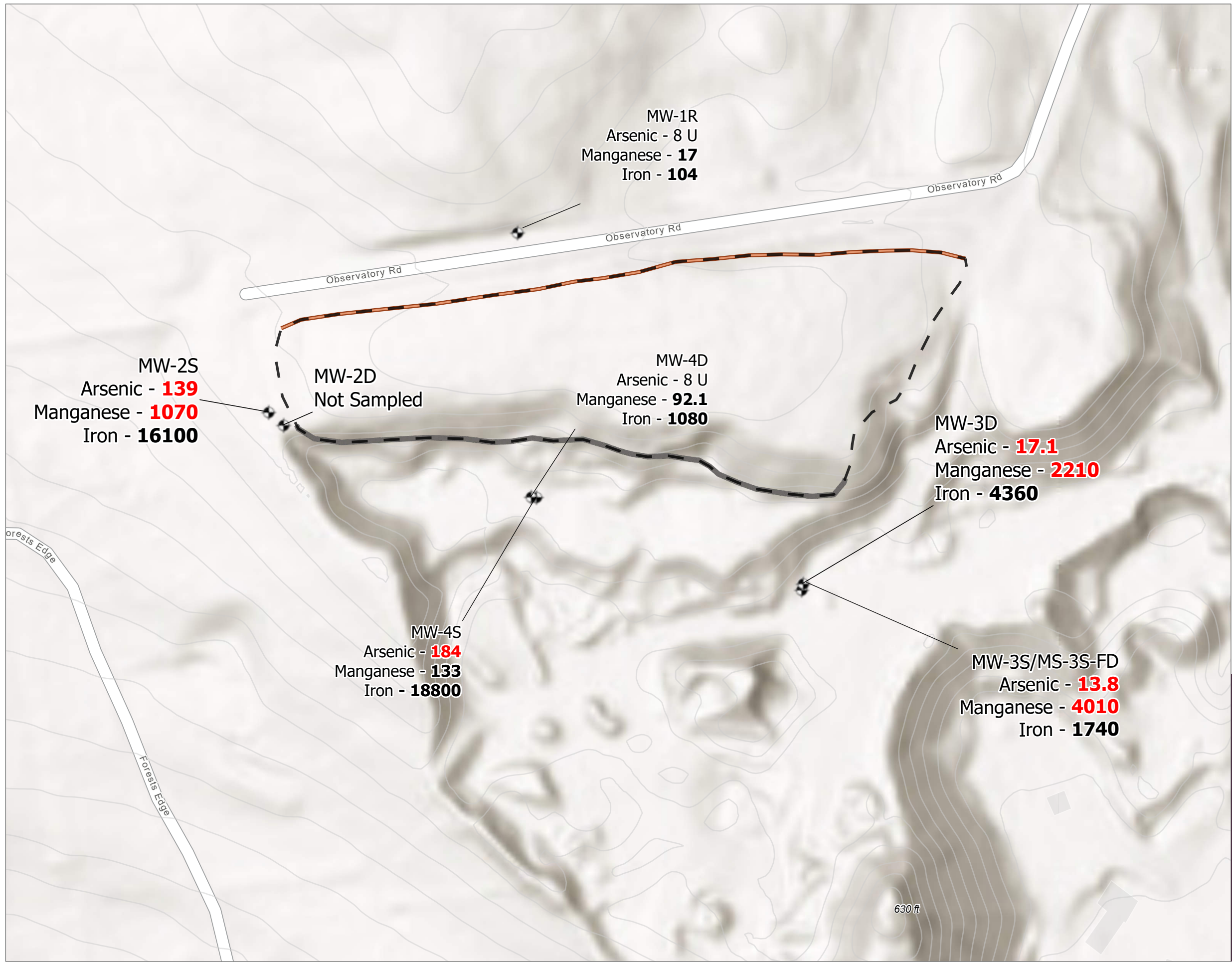
Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 7 - VOCs in Groundwater Exported: 1/5/2024 2:58 PM by Ipillai

Figure 7: VOC Concentrations in Groundwater and Drinking Water

Hinesburg Landfill Fall 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg





- LEGEND**
- Monitoring Well
 - Approximate Limits of Landfill Cap
 - Stone Apron
 - Drainage Swale
 - VT 10 ft Contour Lines
 - Site Boundary
 - Property Boundary
 - 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
 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 Hinesburg Landfill.aprx Figure 8 - Metals in Groundwater
 Exported: 1/5/2024 12:11 PM by Ipillai

Figure 8: Total Metal Concentrations in Groundwater

Hinesburg Landfill Fall 2023 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg

STONE ENVIRONMENTAL

MW-2S
 Arsenic - **139**
 Manganese - **1070**
 Iron - **16100**

MW-2D
 Not Sampled

MW-4D
 Arsenic - 8 U
 Manganese - **92.1**
 Iron - **1080**

MW-3D
 Arsenic - **17.1**
 Manganese - **2210**
 Iron - **4360**

MW-4S
 Arsenic - **184**
 Manganese - **133**
 Iron - **18800**

MW-3S/MS-3S-FD
 Arsenic - **13.8**
 Manganese - **4010**
 Iron - **1740**

630 ft

Appendix B: Field Notes

Observation and Remarks

Site Information

Project Name	Hinesburg landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg VT
Date	10-10-2023

Personnel On Site


Stone Personnel On Site	Julia Marcello, Lakshmi Pillai
Time On Site	07:50 (-4 GMT)
Time Off Site	16:52 (-4 GMT)

Observation Entry

Weather	Sunny, 65°
Objectives	Groundwater monitoring

Add Notes / Photos - # 1

Observation

Time	09:50 (-4 GMT)
Notes	Opened MW-3S. Active hornets nest still present. Using black flag to kill them
Photo(s)	

Observation and Remarks



Add Notes / Photos - # 2

Observation

Time	09:58 (-4 GMT)
Notes	Hornets have been sprayed, setting up bladder pump

Add Notes / Photos - # 3

Observation

Time	10:47 (-4 GMT)
Notes	MW-3S has orange iron flock. Waiting for water to clear before YSI is connected

Add Notes / Photos - # 4

Observation

Time	13:03 (-4 GMT)
Notes	JSM turned off pump and left well to assist LMP. When dropping bladder pump down well MW-2D, bladder and water level meter became stuck in old abandoned tubing at bottom. Spoke with KJM, who said to not sample that well and come back at the end if possible. All equipment recovered. LMP set up on MW-2S. Returning to MW-3S

Add Notes / Photos - # 5

Observation

Time	13:08 (-4 GMT)
Notes	JSM back at MW-3S

Add Notes / Photos - # 6

Observation

Time	13:43 (-4 GMT)
------	----------------

Observation and Remarks

Notes	Sampled MW-3S and took a field duplicate.
-------	---

Add Notes / Photos - # 7

Observation

Time	16:21 (-4 GMT)
Notes	Spoke to KJM. Planned to come back tomorrow to sample other 3 wells. JSM and LMP cleaning up and collecting reagent blank and equipment blank

Add Notes / Photos - # 8

Observation

Time	16:23 (-4 GMT)
Notes	Broke off top of casing of MW-2S while trying to lower well back into ground. Well will need to be resurveyed.

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

Add Notes / Photos - # 9

Observation

Time	16:51 (-4 GMT)
Notes	Took field blank and equipment blank

Signature

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

Observation and Remarks

Site Information

Project Name	Hinesburg landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg
Date	10-10-2023

Personnel On Site

Stone Personnel On Site	Julia Marcello, Lakshmi Pillai
Time On Site	08:03 (-4 GMT)
Time Off Site	08:03 (-4 GMT)

Observation Entry

Weather	Windy, cloudy, 65°
Objectives	Groundwater and surface water sampling

Add Notes / Photos - # 1

Observation

Time	08:05 (-4 GMT)
Notes	Stone on site at 7:50. Met with Peter from Geotech to collect equipment for the day.

Add Notes / Photos - # 2

Observation

Time	08:07 (-4 GMT)
Notes	Calibrating equipment.

Add Notes / Photos - # 3

Observation


Time	08:43 (-4 GMT)
Notes	SW-2 collecting from stream. Used turbidity meter #5956 and YSI # 6787 for surface water measurements. SW-2 parameters: Turbidity: 1.59 Temp: 10.3°C DO: 8.28 Cond: 171.8 PH: 8.00 ORP: 84.0

Observation and Remarks

<p>Photo(s)</p>		
-----------------	---	--


Add Notes / Photos - # 4

Observation

<p>Time</p>	<p>08:55 (-4 GMT)</p>	
<p>Notes</p>	<p>Collecting SW-1 from stream. SW-1 Parameters: Turbidity: 0.85 Temp: 10.2°C DO: 7.63 Cond: 128.8 PH: 8.00 ORP: 70.7</p>	
<p>Photo(s)</p>		

Signature

Observation and Remarks

Signature	
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Observation and Remarks

Site Information

Project Name	Hinesburg landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Hinesburg
Date	10-11-2023

Personnel On Site


Stone Personnel On Site	Rudy Bentlage
Time On Site	09:05 (-4 GMT)
Time Off Site	17:23 (-4 GMT)

Observation Entry

Weather	Rainy and 55
Objectives	Collect drinking water samples

Add Notes / Photos - # 1

Observation


Time	09:05 (-4 GMT)
Notes	490 North Road Water collected from Kitchen sink into two 250 ml polys with Trizma and three VOA vials with HCL.
Photo(s)	

Add Notes / Photos - # 2

Observation


Time	10:03 (-4 GMT)
------	----------------

Observation and Remarks

Notes	413 north road Water collected from Kitchen sink into two 250 ml polys with Trizma and three VOA vials with HCL.
Photo(s)	

[Add Notes / Photos - # 3](#)




Observation

Time	16:20 (-4 GMT)
Notes	455 north road + field dup Water collected from garage tap into two 250 ml polys with Trizma and three VOA vials with HCL.
Photo(s)	

[Add Notes / Photos - # 4](#)

Observation

Observation and Remarks

Time	11:02 (-4 GMT)	
Notes	794 Beecher road Water collected from spigot before pressure tank into two 250 ml polys with Trizma and three VOA vials with HCL.	
Photo(s)		
		

Add Notes / Photos - # 5

Observation

Time	12:04 (-4 GMT)	
Notes	714 Beecher hill road Water collected from spigot on east side of the house into two 250 ml polys with Trizma and three VOA vials with HCL.	

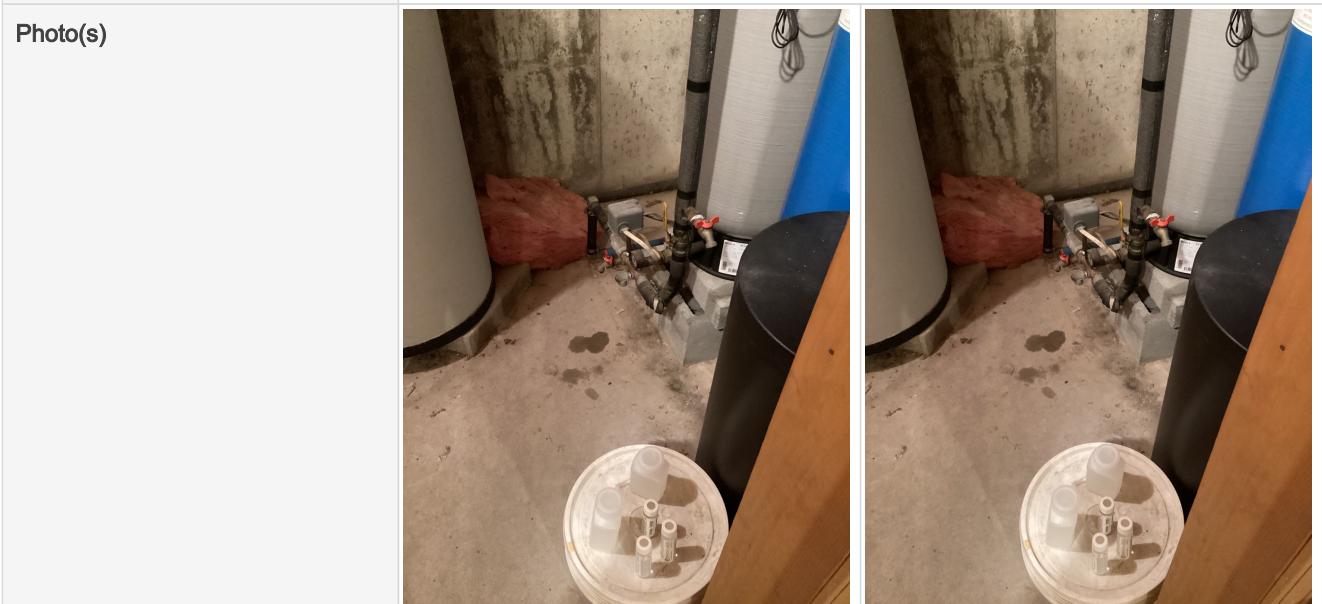
Observation and Remarks



Add Notes / Photos - # 6

Observation

Time	12:32 (-4 GMT)
Notes	182 Forests edge road Water collected from pressure tank spigot into two 250 ml polys with Trizma and three VOA vials with HCL.



Add Notes / Photos - # 7

Observation

Time	14:26 (-4 GMT)
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Observation and Remarks

Notes	206 forest edge road Sample collected from pressure tank spigot. VOA vials were filled slowly, capped, allowed wait time so air bubbles would rise, then topped off to ensure as little air as possible was in the sample. Tiny air bubbles may be present due to use of an aerator in the water system.
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Signature

Signature	
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Observation and Remarks

Site Information

Project Name	Hinesburg Landfill
Project Number	20211205
Project Manager	Katrina Mattice
Location	Montpelier
Date	10-11-2023

Personnel On Site

Stone Personnel On Site	Lakshmi Pillai
Time On Site	09:06 (-5 GMT)
Time Off Site	16:28 (-5 GMT)

Owner / Sub-Contractor / Visitor On Site

Observation Entry

Weather	
Objectives	

Notes & Photo(s)

Time 09:07 (-4 GMT)


Notes At 907 Beecher Hill Rd. Rick not on site. Garage worker gave access to POET system. Collected INF, MID and EFF samples after running garage floor sink tap for 10 minutes.

Photo(s)




Notes & Photo(s)

Observation and Remarks

Time	10:05 (-4 GMT)
Notes	At 56 Forest Edge Rd. INF sample port very close to the floor. Used an unpreserved 250 ml bottle to fill up sample bottles. Collected MID and INF
Photo(s)	
Notes & Photo(s)	
Time	11:11 (-4 GMT)
Notes	At 685 Beecher Hill Rd. Collected INF, MID and EFF.

Observation and Remarks

<p>Photo(s)</p>	
<p>Notes & Photo(s)</p>	
<p>Time</p>	<p>12:26 (-4 GMT)</p>
<p>Notes</p>	<p>At 4D. KJM is helping with bladder pump set up</p>
<p>Photo(s)</p>	

Signature

<p>Signature</p>
<p>Date</p>



10-11-2023

Stone Environmental, Inc. Field Instrument Calibration Record

Project Name: <u>Hinesburg Landfill</u>	Date: <u>10-10-2023</u>	Sampler (Sig/Date): _____
SEI Project Number: <u>20211205</u>	Task: _____	
Project Location: <u>Hinesburg</u>	Checked By/Date: _____ <u>10-10-2023</u>	
Weather Conditions (AM): _____	Weather Conditions (PM): <u>Partly cloudy and 55</u>	

MULTI-PARAMETER WATER QUALITY METER							
Meter Type: <u>Geotech</u>		AM Calibration			Post Calibration Check		
Model NO.: <u>7842</u>		Start Time <u>08:09</u>	/End Time <u>05:22</u>		Start Time <u>18:09</u>	/End Time <u>18:15</u>	
Unit ID NO.: _____		*Acceptance Criteria (AM)			*Acceptance Criteria (PM)		
	Units	Standard Value	Meter Value		Standard Value	Meter Value	
pH (4)	SU	5	4.00	±0.1 pH Units			
pH (7)	SU	7	6.99	±0.1 pH Units	7	76.96	±0.3 pH Units
pH (10)	SU	10	10	±0.1 pH Units			
ORP	mV	220	160.0	±10 mV	220	198.2	±10 mV
Specific Conductance	µs/cm	964	640.0	±0.5% of Standard	1,213	1,351.0	±5% of Standard
Dissolved Oxygen	%	100%	101.2	±2% of Standard	100%	101.9	±0.5 mg/L of sat. val.
Temperature	°C		8.5			13.1	
Baro. Press.	mmHg		740.6			741.1	

TURBIDITY METER		Meter Type: <u>Geotech</u>	Model NO.: <u>6126</u>	Unit ID NO.: _____			
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
	NTU	NTU 20	20.7	±0.3 NTU of stan. Of	NTU 20	18.2	±0.3 NTU of stan. Of
	NTU	NTU 100	101	1.0 NTU or less. ±5%	NTU 100	104	1.0 NTU or less. ±5%
	NTU	NTU 800	808	of standards >5 NTU	NTU 800	789	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>2GI306</u>	<u>09/24</u>
Trip Blank Source: _____	pH (7) <u>2GI834</u>	<u>09/24</u>
Sample Preservative Source: _____	pH (10) <u>2GK001</u>	<u>11/24</u>
Disposable Filter Type: _____	ORP <u>3GF1524</u>	<u>03/24</u>
DO Calibration Fluids Source: _____	Spec. Conductivity <u>3GE040</u>	<u>05/24</u>
Other: _____	Turb. Stan. NTU 20 <u>Lt 51D</u>	<u>07/24</u>
	Turb. Stan. NTU 100 <u>Lt 51D</u>	<u>07/24</u>
	Turb. Stan. NTU 800 <u>Lt 51D</u>	<u>07/24</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>10-10-2023</u>	Sampler (Sig/Date):
SEI Project Number: <u>20211205</u>	Task: <u>Ground water and surface water</u>	
Project Location: <u>Hinesburg</u>	Checked By/Date: <u>JSM</u>	<u>10-10-2023</u>
Weather Conditions (AM): <u>Windy, cloudy, 65°</u>	Weather Conditions (PM):	

MULTI-PARAMETER WATER QUALITY METER							
Meter Type: <u>Geotech YSI</u>		AM Calibration			Post Calibration Check		
Model NO.: <u>19G101338</u>		Start Time <u>08:09</u>	/End Time <u>08:09</u>		Start Time <u>17:57</u>	/End Time <u>17:57</u>	
Unit ID NO.: <u>6787</u>							
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4	3.99	±0.1 pH Units			
pH (7)	SU	7	7.07	±0.1 pH Units	7	7.13	±0.3 pH Units
pH (10)	SU	10	10	±0.1 pH Units			
ORP	mV	220	219.6	±10 mV	220	241.4	±10 mV
Specific Conductance	µs/cm	1,061	1,060.0	±0.5% of Standard	1,167	1,289.0	±5% of Standard
Dissolved Oxygen	%	100%	97.6	±2% of Standard	100%	101.5	±0.5 mg/L of sat. val.
Temperature	°C		10.0			13.5	
Baro. Press.	mmHg		740.8			741.3	

TURBIDITY METER		Meter Type: <u>Geotech turbidity</u>	Model NO.: <u>17061381</u>	Unit ID NO.: <u>5956</u>			
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
	NTU	NTU 20	20.3	±0.3 NTU of stan. Of	NTU 20	17.8	±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	804	of standards >5 NTU	NTU 800	803	of standards >5 NTU

PHOTIONIZATION 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>2GI306</u>	<u>09/24</u>
Trip Blank Source: _____		pH (7)	<u>2GI834</u>	<u>09/24</u>
Sample Preservative Source: _____		pH (10)	<u>2GK001</u>	<u>11/24</u>
Disposable Filter Type: _____		ORP	<u>3GF1524</u>	<u>03/24</u>
DO Calibration Fluids Source: _____		Spec. Conductivity	<u>3GE040</u>	<u>05/24</u>
Other: _____		Turb. Stan. NTU 20	<u>Lt51D</u>	<u>07/24</u>
		Turb. Stan. NTU 100	<u>Lt48D</u>	<u>05/24</u>
		Turb. Stan. NTU 800	<u>Lt51D</u>	<u>07/24</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>Town of Hinesburg Landfill</u>	Date: <u>10-11-2023</u>	Sampler (Sig/Date): <u> </u>
SEI Project Number: <u>20211205</u>	Task: <u>Ground water monitoring</u>	
Project Location: <u>Hinesburg</u>	Checked By/Date: <u>LMP</u>	<u>10-11-2023</u>
Weather Conditions (AM): <u>54, cloudy</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	4.17	±0.1 pH Units			
pH (7)	SU	7	7.14	±0.1 pH Units	7	7.00	±0.3 pH Units
pH (10)	SU	10	10	±0.1 pH Units			
ORP	mV	220	216.9	±10 mV	220	218.4	±10 mV
Specific Conductance	µs/cm	1,320	1,341.0	±0.5% of Standard	1,328	1,352.0	±5% of Standard
Dissolved Oxygen	%	100%	101.0	±2% of Standard	100%	101.0	±0.5 mg/L of sat. val.
Temperature	°C		13.8			11.8	
Baro. Press.	mmHg		748.5			752.6	

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	20.3	±0.3 NTU of stan. Of	NTU 20	20.5	±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	812	of standards >5 NTU	NTU 800	852	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>2GHI493</u>	<u>08/23</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>10-11-2023</u>	Sampler (Sig/Date): <u>ESB</u>
SEI Project Number: <u>20211205</u>	Task: <u>Groundwater monitoring</u>	
Project Location: <u>Hinesburg</u>	Checked By/Date: <u>RJB</u>	<u>10-11-2023</u>
Weather Conditions (AM): <u>Overcast and 50s</u>	Weather Conditions (PM): <u>Partly cloudy and 55</u>	

MULTI-PARAMETER WATER QUALITY METER							
Meter Type: <u>YSI</u>		AM Calibration			Post Calibration Check		
Model NO.: <u>YSI pro 4m</u>		Start Time <u>13:16</u>	/End Time <u>13:16</u>		Start Time <u>16:45</u>	/End Time <u>16:55</u>	
Unit ID NO.: <u>6787</u>							
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	SU	4	3.99	±0.1 pH Units			
pH (7)	SU	7	6.92	±0.1 pH Units	7	6.96	±0.3 pH Units
pH (10)	SU	10	10	±0.1 pH Units			
ORP	mV	220	220.0	±10 mV	220	212.7	±10 mV
Specific Conductance	µs/cm	1,314	1,409.0	±0.5% of Standard	1,413	1,442.0	±5% of Standard
Dissolved Oxygen	%	100%	97.7	±2% of Standard	100%	100.0	±0.5 mg/L of sat. val.
Temperature	°C		13.7			12.3	
Baro. Press.	mmHg		739.7			738.9	

TURBIDITY METER		Meter Type: <u>Geotech</u>	Model NO.:	Unit ID NO.:			
	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	17.9	±0.3 NTU of stan. Of
	NTU	NTU 100	97	1.0 NTU or less. ±5%	NTU 100	96	1.0 NTU or less. ±5%
	NTU	NTU 800	819	of standards >5 NTU	NTU 800	822	of standards >5 NTU

PHOTIONIZATION 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>2GI306</u>	<u>09/24</u>
Trip Blank Source:		pH (7) <u>2GI834</u>	<u>09/24</u>
Sample Preservative Source:		pH (10) <u>2GK001</u>	<u>11/24</u>
Disposable Filter Type:		ORP <u>3GF1524</u>	<u>03/24</u>
DO Calibration Fluids Source:		Spec. Conductivity <u>3GG0549</u>	<u>07/24</u>
Other:		Turb. Stan. NTU 20 <u>51D</u>	<u>07/24</u>
		Turb. Stan. NTU 100 <u>48D</u>	<u>05/24</u>
		Turb. Stan. NTU 800 <u>51D</u>	<u>07/24</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.

Appendix C: Tables

Table C-1
Groundwater and Drinking Water PFAS Sample Analytical Results

SampleID		VGES/DWHA	152 Forest Edge Rd-INF		152 Forest Edge Rd-MID		152 Forest Edge Rd-EFF		182 Forest's Edge		206 Forest's Edge		413 North Road	
Sample Date	CAS#	(ng/l)	10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q
NEtFOSAA	2991-50-6	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
NMeFOSAA	2355-31-9	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorobutanesulfonic acid	375-73-5	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorodecanoic acid	335-76-2	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorododecanoic acid	307-55-1	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluoroheptanoic acid	375-85-9	20	2.89		1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorohexanesulfonic acid	355-46-4	20	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorohexanoic acid	307-24-4	NE	5.55		1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorononanoic acid	375-95-1	20	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorooctanesulfonic acid	1763-23-1	20	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorooctanoic acid	335-67-1	20	3.24		1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorotetradecanoic acid	376-06-7	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluorotridecanoic acid	72629-94-8	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Perfluoroundecanoic acid	2058-94-8	NE	1.65	U	1.88	U	1.87	U	1.85	U	1.77	U	1.70	U
Total Regulated PFAS		20	6.13		1.88	U	1.87	U	1.85	U	1.77	U	1.70	U

Sample ID		VGES/DWHA	455 North Rd		455 North Rd- FD		490 North Rd		56 Forest Edge-INF		56 Forest Edge-MID		56 Forest Edge-EFF		RPD (455 North Rd)
Sample Date	CAS#	(ng/l)	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	
NEtFOSAA	2991-50-6	NE	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
NMeFOSAA	2355-31-9	NE	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
Perfluorobutanesulfonic acid	375-73-5	NE	1.62	U	1.62	U	1.64	U	2.9		1.62	U	1.62	U	-
Perfluorodecanoic acid	335-76-2	NE	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
Perfluorododecanoic acid	307-55-1	NE	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
Perfluoroheptanoic acid	375-85-9	20	1.62	U	1.62	U	1.64	U	3.05		1.62	U	1.62	U	-
Perfluorohexanesulfonic acid	355-46-4	20	1.62	U	1.62	U	1.64	U	1.87		1.62	U	1.62	U	-
Perfluorohexanoic acid	307-24-4	NE	1.62	U	1.62	U	1.64	U	6.05		1.62	U	1.62	U	-
Perfluorononanoic acid	375-95-1	20	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
Perfluorooctanesulfonic acid	1763-23-1	20	3.44		3.32		1.64	U	4.83		1.62	U	1.62	U	4%
Perfluorooctanoic acid	335-67-1	20	1.62	U	1.62	U	1.64	U	6.02		1.62	U	1.62	U	-
Perfluorotetradecanoic acid	376-06-7	NE	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
Perfluorotridecanoic acid	72629-94-8	NE	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
Perfluoroundecanoic acid	2058-94-8	NE	1.62	U	1.62	U	1.64	U	1.72	U	1.62	U	1.62	U	-
Total Regulated PFAS		20	3.44		3.32		1.64	U	15.77		1.62	U	1.62	U	-

Table C-1
Groundwater and Drinking Water PFAS Sample Analytical Results

Sample ID	Sample Date	CAS#	VGES/DWHA (ng/l)	685 Beecher Hill Rd-INF		685 Beecher Hill Rd-MID		685 Beecher Hill Rd-EFF		714 Beecher Hill Rd		794 Beecher Rd	
				10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q
NEtFOSAA	2991-50-6		NE	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
NMeFOSAA	2355-31-9		NE	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
Perfluorobutanesulfonic acid	375-73-5		NE	2.84		1.61	U	1.62	U	1.61	U	1.80	U
Perfluorodecanoic acid	335-76-2		NE	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
Perfluorododecanoic acid	307-55-1		NE	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
Perfluoroheptanoic acid	375-85-9		20	2.84		1.61	U	1.62	U	1.61	U	1.80	U
Perfluorohexanesulfonic acid	355-46-4		20	1.90		1.61	U	1.62	U	1.61	U	1.80	U
Perfluorohexanoic acid	307-24-4		NE	5.56		1.61	U	1.62	U	1.61	U	1.80	U
Perfluorononanoic acid	375-95-1		20	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
Perfluorooctanesulfonic acid	1763-23-1		20	4.55		1.61	U	1.62	U	1.61	U	1.80	U
Perfluorooctanoic acid	335-67-1		20	5.86		1.61	U	1.62	U	1.61	U	1.80	U
Perfluorotetradecanoic acid	376-06-7		NE	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
Perfluorotridecanoic acid	72629-94-8		NE	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
Perfluoroundecanoic acid	2058-94-8		NE	1.74	U	1.61	U	1.62	U	1.61	U	1.80	U
Total Regulated PFAS			20	15.15		1.61	U	1.62	U	1.61	U	1.80	U
Sample ID	Sample Date	CAS#	VGES/DWHA (ng/l)	907 Beecher Hill Rd-INF		907 Beecher Hill Rd-MID		907 Beecher Hill Rd-EFF		FRB101023		FRB101123	
Sample ID	Sample Date	CAS#	VGES/DWHA (ng/l)	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/10/2023	Q	10/11/2023	Q
NEtFOSAA	2991-50-6		NE	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
NMeFOSAA	2355-31-9		NE	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Perfluorobutanesulfonic acid	375-73-5		NE	2.98		1.60	U	1.62	U	1.79	U	1.72	U
Perfluorodecanoic acid	335-76-2		NE	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Perfluorododecanoic acid	307-55-1		NE	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Perfluoroheptanoic acid	375-85-9		20	10.8		1.60	U	1.62	U	1.79	U	1.72	U
Perfluorohexanesulfonic acid	355-46-4		20	7.97		1.60	U	1.62	U	1.79	U	1.72	U
Perfluorohexanoic acid	307-24-4		NE	19.0		1.60	U	1.62	U	1.79	U	1.72	U
Perfluorononanoic acid	375-95-1		20	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Perfluorooctanesulfonic acid	1763-23-1		20	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Perfluorooctanoic acid	335-67-1		20	34.0		1.60	U	1.62	U	1.79	U	1.72	U
Perfluorotetradecanoic acid	376-06-7		NE	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Perfluorotridecanoic acid	72629-94-8		NE	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Perfluoroundecanoic acid	2058-94-8		NE	1.66	U	1.60	U	1.62	U	1.79	U	1.72	U
Total Regulated PFAS			20	53.0		1.60	U	1.62	U	1.79	U	1.72	U

Table C-1
Groundwater and Drinking Water PFAS Sample Analytical Results

Sample ID		VGES/DWHA	MW-2S		MW-3D		MW-3S		MW-3S-FD		MW-4D		MW-4S		RPD (MW-3S)
Sample Date	CAS#	(ng/l)	10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	10/11/2023	Q	10/11/2023	Q	
4:2 Fluorotelomer sulfonic acid	757124-72-4	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
6:2 Fluorotelomer sulfonic acid	27619-97-2	NE	1.86 U		19.9		1.92 U		1.96 U		1.81 U		1.84 U		-
8:2 Fluorotelomer sulfonic acid	39108-34-4	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
NEtFOSAA	2991-50-6	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
NMeFOSAA	2355-31-9	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluorobutanesulfonic acid	375-73-5	NE	1.86 U		3.84		5.17		5.37		1.81 U		1.84 U		4%
Perfluorobutanoic acid	375-22-4	NE	6.00		24.0		22.2		22.6		1.81 U		10.3		2%
Perfluorodecanesulfonic acid	335-77-3	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluorodecanoic acid	335-76-2	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluorododecanoic acid	307-55-1	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluoroheptanesulfonic acid	375-92-8	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluoroheptanoic acid	375-85-9	20	2.32		47.7		31.8		32.1		1.81 U		13.1		1%
Perfluorohexanesulfonic acid	355-46-4	20	1.86 U		29.5		13.0		13.7		1.81 U		7.57		5%
Perfluorohexanoic acid	307-24-4	NE	5.50		66.5		45.4		45.5		1.81 U		18.4		0%
Perfluorononanesulfonic acid	68259-12-1	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluorononanoic acid	375-95-1	20	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluorooctanesulfonamide	754-91-6	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluorooctanesulfonic acid	1763-23-1	20	5.13		4.78		2.33 I		2.33		1.81 U		1.84 U		0%
Perfluorooctanoic acid	335-67-1	20	8.09		120		68.0		69.5		1.81 U		54.5		2%
Perfluoropentanesulfonic acid	2706-91-4	NE	1.86 U		4.93		3.59		4.75		1.81 U		1.84 U		28%
Perfluoropentanoic acid	2706-90-3	NE	4.64		30.5		21.2		20.6		1.81 U		6.15		3%
Perfluorotetradecanoic acid	376-06-7	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluorotridecanoic acid	72629-94-8	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Perfluoroundecanoic acid	2058-94-8	NE	1.86 U		1.87 U		1.92 U		1.96 U		1.81 U		1.84 U		-
Total Regulated PFAS		20	15.54		202		115.1		117.6		1.81 U		75.2		2%

Table C-1
Groundwater and Drinking Water PFAS Sample Analytical Results

Sample ID		VGES/DWHA	MW-1R		EB101023	
Sample Date	CAS#	(ng/l)	10/11/2023	Q	10/10/2023	Q
4:2 Fluorotelomer sulfonic acid	757124-72-4	NE	1.95 U		1.87 U	
6:2 Fluorotelomer sulfonic acid	27619-97-2	NE	1.95 U		1.87 U	
8:2 Fluorotelomer sulfonic acid	39108-34-4	NE	1.95 U		1.87 U	
NEtFOSAA	2991-50-6	NE	1.95 U		1.87 U	
NMeFOSAA	2355-31-9	NE	1.95 U		1.87 U	
Perfluorobutanesulfonic acid	375-73-5	NE	1.95 U		1.87 U	
Perfluorobutanoic acid	375-22-4	NE	1.95 U		1.87 U	
Perfluorodecanesulfonic acid	335-77-3	NE	1.95 U		1.87 U	
Perfluorodecanoic acid	335-76-2	NE	1.95 U		1.87 U	
Perfluorododecanoic acid	307-55-1	NE	1.95 U		1.87 U	
Perfluoroheptanesulfonic acid	375-92-8	NE	1.95 U		1.87 U	
Perfluoroheptanoic acid	375-85-9	20	1.95 U		1.87 U	
Perfluorohexanesulfonic acid	355-46-4	20	1.95 U		1.87 U	
Perfluorohexanoic acid	307-24-4	NE	1.95 U		1.87 U	
Perfluorononanesulfonic acid	68259-12-1	NE	1.95 U		1.87 U	
Perfluorononanoic acid	375-95-1	20	1.95 U		1.87 U	
Perfluorooctanesulfonamide	754-91-6	NE	1.95 U		1.87 U	
Perfluorooctanesulfonic acid	1763-23-1	20	1.95 U		1.87 U	
Perfluorooctanoic acid	335-67-1	20	1.95 U		1.87 U	
Perfluoropentanesulfonic acid	2706-91-4	NE	1.95 U		1.87 U	
Perfluoropentanoic acid	2706-90-3	NE	1.95 U		1.87 U	
Perfluorotetradecanoic acid	376-06-7	NE	1.95 U		1.87 U	
Perfluorotridecanoic acid	72629-94-8	NE	1.95 U		1.87 U	
Perfluoroundecanoic acid	2058-94-8	NE	1.95 U		1.87 U	
Total Regulated PFAS		20	1.95 U		1.87 U	

Key:

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

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

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)

Italicized results indicate an exceedance of the non-residential enforcement standard(s)

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

UJ - Analyte not detected; limit of quantitation estimated during data validation

J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated

NS - Sample not analyzed for compound

Table C-2
Groundwater and Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

SampleID	CAS#	VGES/DWHA (µg/l)	152 Forest Edge Rd-INF		152 Forest Edge Rd-MID		152 Forest Edge Rd-EFF		182 Forest's Edge		206 Forest's Edge		413 North Road	
			10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	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-Hexanone	591-78-6	NE	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
4-Methyl-2-pentanone	108-10-1	NE	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
Acrylonitrile	107-13-1	NE	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
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	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
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
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
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
Ethyl ether	60-29-7	NE	0.5	U	6.98	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
Ethylbenzene	100-41-4	700	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
Hexachlorobutadiene	87-68-3	NE	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	98-82-8	NE	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m&p-Xylene	179601-23-1	NE	1	U	1	U	1	U	1	U	1	U	1	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
Methylene Chloride	75-09-2	5	0.649	U	12.3	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
Styrene	100-42-5	100	0.5	U	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	0.5	U
t-Butyl alcohol	75-65-0	NE	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
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	7	U	17.2	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
Total Trimethylbenzene	25551-13-7	NE	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
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

Table C-2
Groundwater and Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	CAS#	VGES/DWHA (µg/l)	455 North Rd		455 North Rd- FD		490 North Rd		56 Forest Edge-INF		56 Forest Edge-MID		56 Forest Edge-EFF	
			10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	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-Hexanone	591-78-6	NE	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
4-Methyl-2-pentanone	108-10-1	NE	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
Acrylonitrile	107-13-1	NE	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
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	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
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
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	0.531		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
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
Ethyl ether	60-29-7	NE	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
Ethylbenzene	100-41-4	700	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
Hexachlorobutadiene	87-68-3	NE	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	98-82-8	NE	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m&p-Xylene	179601-23-1	NE	1	U	1	U	1	U	1	U	1	U	1	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
Methylene Chloride	75-09-2	5	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
Styrene	100-42-5	100	0.5	U	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	0.5	U
t-Butyl alcohol	75-65-0	NE	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
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	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
Total Trimethylbenzene	25551-13-7	NE	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
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

Table C-2
Groundwater and Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	CAS#	VGES/DWHA	685 Beecher Hill Rd-INF		685 Beecher Hill Rd-MID		685 Beecher Hill Rd-EFF		714 Beecher Hill Rd		794 Beecher Rd	
			10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q	10/11/2023	Q
		(µg/l)										
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5 U	0.5 U	0.5 U	0.5 U	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
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
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
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
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
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
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
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
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
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
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
1,2-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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Chloroform	67-66-3	NE	0.581	0.5 U	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
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
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
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
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
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
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
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
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
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
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
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
Isopropylbenzene	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
m&p-Xylene	179601-23-1	NE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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	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
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
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
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
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
p-Isopropyltoluene	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
sec-Butylbenzene	135-98-8	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
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
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	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	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
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
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
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
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
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
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
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
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
Trichlorofluoromethane	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
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

Table C-2
Groundwater and Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID Sample Date	CAS#	VGES/DWHA (µg/l)	907 Beecher Hill Rd-INF	907 Beecher Hill Rd-MID	907 Beecher Hill Rd-EFF	TB101123	TB101023
			10/11/2023	10/11/2023	10/11/2023	10/11/2023	10/10/2023
1,1,1,2-Tetrachloroethane	630-20-6	70	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
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	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
1,1-Dichloroethene	75-35-4	7	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
1,2,3-Trichlorobenzene	87-61-6	0.9	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
1,2,4-Trichlorobenzene	120-82-1	70	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
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	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
1,2-Dichlorobenzene	95-50-1	600	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
1,2-Dichloropropane	78-87-5	5	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
1,3-Dichlorobenzene	541-73-1	600	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
1,4-Dichlorobenzene	106-46-7	75	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
2-Butanone	78-93-3	511	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
2-Hexanone	591-78-6	NE	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
4-Methyl-2-pentanone	108-10-1	NE	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
Acrylonitrile	107-13-1	NE	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
Bromobenzene	108-86-1	NE	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
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	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
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	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
Chloroethane	75-00-3	NE	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
Chloromethane	74-87-3	NE	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
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	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	75-71-8	NE	2.22	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
Ethyl ether	60-29-7	NE	7.97	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
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 U	1 U	1 U	1 U	1 U
Methyl tertiary butyl ether	1634-04-4	11	0.896	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	75-09-2	5	0.521	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 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
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	22.6	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
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

Table C-2
Groundwater and Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	CAS#	VGES/DWHA (µg/l)	MW-2S		MW-3D		MW-3S		MW-3S-FD		MW-4D		MW-4S		RPD (MW-3S)
			10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	10/11/2023	Q	10/11/2023	Q	
1,1,1,2-Tetrachloroethane	630-20-6	70	1 U		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 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	1 U		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 U		-
1,1-Dichloroethane	75-34-3	70	1 U		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 U		-
1,1-Dichloropropene	563-58-6	NE	1 U		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 U		-
1,2,3-Trichloropropane	96-18-4	0.02	1 U		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 U		-
1,2,4-Trimethylbenzene	95-63-6	23	1 U		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		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		-
1,2-Dichlorobenzene	95-50-1	600	1 U		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 U		-
1,2-Dichloropropane	78-87-5	5	1 U		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 U		-
1,3,5-Trimethylbenzene	108-67-8	23	1 U		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 U		-
1,3-Dichloropropane	142-28-9	NE	1 U		1 U		1 U		1 U		1 U		1 U		-
1,4-Dichlorobenzene	106-46-7	75	1 U		1 U		1 U		1 U		1 U		2.14		-
1,4-Dioxane	123-91-1	0.3	50 U		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		1 U		-
2-Butanone (MEK)	78-93-3	511	2 U		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		1 U		-
2-Hexanone (MBK)	591-78-6	NE	2 U		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		1 U		-
4-Isopropyltoluene	99-87-6	NE	1 U		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		2 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	1 U		1.04		1 U		1 U		1 U		3.25		-
Bromobenzene	108-86-1	NE	1 U		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		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		-
Bromoform	75-25-2	NE	1 U		1 U		1 U		1 U		1 U		1 U		-
Bromomethane	74-83-9	5	2 U		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		2 U		-
Carbon tetrachloride	56-23-5	5	1 U		1 U		1 U		1 U		1 U		1 U		-
Chlorobenzene	108-90-7	100	1 U		1 U		1.38		1 U		1 U		3.26		-
Chloroethane	75-00-3	NE	2 U		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		1 U		-
Chloromethane	74-87-3	NE	2 U		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 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		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	1 U		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		2 U		-
di-Isopropyl ether	108-20-3	NE	1 U		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		200 U		-
Ethyl ether	60-29-7	NE	1 U		12.9		4.41		4.27		1 U		11		3%
Ethyl tert-butyl ether	637-92-3	NE	1 U		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		1 U		-
Hexachlorobutadiene	87-68-3	NE	1 U		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		1 U		-
Methyl tert-butyl ether	1634-04-4	11	1 U		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		2 U		-
m-Xylene & p-Xylene	179601-23-1	NE	1 U		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		2 U		-
n-Butylbenzene	104-51-8	NE	1 U		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		1 U		-
o-Xylene	95-47-6	10000	1 U		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		1 U		-
Styrene	100-42-5	100	1 U		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		1 U		-
tert-Butanol	75-65-0	NE	10 U		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		1 U		-
Tetrachloroethene	127-18-4	5	1 U		1 U		1 U		1 U		1 U		1 U		-
Tetrahydrofuran	109-99-9	NE	2 U		26.2		8.80		9.13		2 U		9.74		4%
Toluene	108-88-3	1000	1 U		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		1 U		-
Total Xylene	1330-20-7	10000	1 U		1 U		1 U		1 U		1 U		1 U		-
trans-1,2-Dichloroethene	156-60-5	100	1 U		1 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		0.5 U		-
trans-1,4-Dichloro-2-butene	110-57-6	NE	5 U		5 U		5 U		5 U		5 U		5 U		-
Trichloroethene	79-01-6	5	1 U		1 U		1 U		1 U		1 U		1 U		-
Trichlorofluoromethane (Freon 11)	75-69-4	NE	1 U		1 U		1 U		1 U		1 U		1 U		-
Vinyl chloride	75-01-4	2	1 U		1.62		1 U		1 U		1 U		1 U		-

Table C-2
Groundwater and Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	CAS#	VGES/DWHA	MW-1R		EB101023	
			10/11/2023	Q	10/10/2023	Q
		(µg/l)				
1,1,1,2-Tetrachloroethane	630-20-6	70	1 U		1 U	
1,1,1-Trichloroethane	71-55-6	200	1 U		1 U	
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U		0.5 U	
1,1,2-Trichloroethane	79-00-5	5	1 U		1 U	
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	NE	1 U		1 U	
1,1-Dichloroethane	75-34-3	70	1 U		1 U	
1,1-Dichloroethene	75-35-4	7	1 U		1 U	
1,1-Dichloropropene	563-58-6	NE	1 U		1 U	
1,2,3-Trichlorobenzene	87-61-6	0.9	1 U		1 U	
1,2,3-Trichloropropane	96-18-4	0.02	1 U		1 U	
1,2,4-Trichlorobenzene	120-82-1	70	1 U		1 U	
1,2,4-Trimethylbenzene	95-63-6	23	1 U		1 U	
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	2 U		2 U	
1,2-Dibromoethane (EDB)	106-93-4	0.05	0.5 U		0.5 U	
1,2-Dichlorobenzene	95-50-1	600	1 U		1 U	
1,2-Dichloroethane	107-06-2	5	1 U		1 U	
1,2-Dichloropropane	78-87-5	5	1 U		1 U	
1,3,5-Trichlorobenzene	108-70-3	NE	1 U		1 U	
1,3,5-Trimethylbenzene	108-67-8	23	1 U		1 U	
1,3-Dichlorobenzene	541-73-1	600	1 U		1 U	
1,3-Dichloropropane	142-28-9	NE	1 U		1 U	
1,4-Dichlorobenzene	106-46-7	75	1 U		1 U	
1,4-Dioxane	123-91-1	0.3	50 U		50 U	
2,2-Dichloropropane	594-20-7	NE	1 U		1 U	
2-Butanone (MEK)	78-93-3	511	2 U		2 U	
2-Chlorotoluene	95-49-8	100	1 U		1 U	
2-Hexanone (MBK)	591-78-6	NE	2 U		2 U	
4-Chlorotoluene	106-43-4	100	1 U		1 U	
4-Isopropyltoluene	99-87-6	NE	1 U		1 U	
4-Methyl-2-pentanone (MIBK)	108-10-1	NE	2 U		2 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	1 U		1 U	
Bromobenzene	108-86-1	NE	1 U		1 U	
Bromochloromethane	74-97-5	8	1 U		1 U	
Bromodichloromethane	75-27-4	NE	0.5 U		0.5 U	
Bromofom	75-25-2	NE	1 U		1 U	
Bromomethane	74-83-9	5	2 U		2 U	
Carbon disulfide	75-15-0	NE	2 U		2 U	
Carbon tetrachloride	56-23-5	5	1 U		1 U	
Chlorobenzene	108-90-7	100	1 U		1 U	
Chloroethane	75-00-3	NE	2 U		2 U	
Chloroform	67-66-3	NE	1 U		5.88	
Chloromethane	74-87-3	NE	2 U		2 U	
cis-1,2-Dichloroethene	156-59-2	70	1 U		1 U	
cis-1,3-Dichloropropene	10061-01-5	NE	0.5 U		0.5 U	
Dibromochloromethane	124-48-1	NE	0.5 U		0.5 U	
Dibromomethane	74-95-3	NE	1 U		1 U	
Dichlorodifluoromethane (Freon 12)	75-71-8	NE	2 U		2 U	
di-Isopropyl ether	108-20-3	NE	1 U		1 U	
Ethanol	64-17-5	NE	200 U		200 U	
Ethyl ether	60-29-7	NE	1 U		1 U	
Ethyl tert-butyl ether	637-92-3	NE	1 U		1 U	
Ethylbenzene	100-41-4	700	1 U		1 U	
Hexachlorobutadiene	87-68-3	NE	1 U		1 U	
Isopropylbenzene	98-82-8	NE	1 U		1 U	
Methyl tert-butyl ether	1634-04-4	11	1 U		1 U	
Methylene Chloride	75-09-2	5	2 U		2 U	
m-Xylene & p-Xylene	179601-23-1	NE	1 U		1 U	
Naphthalene	91-20-3	0.5	2 U		2 U	
n-Butylbenzene	104-51-8	NE	1 U		1 U	
N-Propylbenzene	103-65-1	NE	1 U		1 U	
o-Xylene	95-47-6	10000	1 U		1 U	
sec-Butylbenzene	135-98-8	NE	1 U		1 U	
Styrene	100-42-5	100	1 U		1 U	
Tert-amyl methyl ether	994-05-8	NE	1 U		1 U	
tert-Butanol	75-65-0	NE	10 U		10 U	
tert-Butylbenzene	98-06-6	NE	1 U		1 U	
Tetrachloroethene	127-18-4	5	1 U		1 U	
Tetrahydrofuran	109-99-9	NE	2 U		2 U	
Toluene	108-88-3	1000	1 U		1 U	
Total Trimethylbenzene	25551-13-7	NE	1 U		1 U	
Total Xylene	1330-20-7	10000	1 U		1 U	
trans-1,2-Dichloroethene	156-60-5	100	1 U		1 U	
trans-1,3-Dichloropropene	10061-02-6	NE	0.5 U		0.5 U	
trans-1,4-Dichloro-2-butene	110-57-6	NE	5 U		5 U	
Trichloroethene	79-01-6	5	1 U		1 U	
Trichlorofluoromethane (Freon 11)	75-69-4	NE	1 U		1 U	
Vinyl chloride	75-01-4	2	1 U		1 U	

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 VTDOH DWHA - Vermont Department of Health Drinking Water Health Advisory, November 2018
 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)
 Italicized results indicate an exceedance of the non-residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 UJ - Analyte not detected; limit of quantitation estimated during data validation
 J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
 NS - Sample not analyzed for compound

Table C-3
Groundwater METALS Sample Analytical Results

SampleID	VGES	EB101023	MW-1R	MW-2S	MW-3D	MW-3S	MW-3S-FD	RPD (MW-3S)	
Sample Date	CAS#	10/10/2023	Q	10/11/2023	Q	10/10/2023	Q	10/10/2023	Q
	(µg/l)								
Arsenic	7440-38-2	10	8 U	8 U	139	17.1	11.9	13.8	15%
Cadmium	7440-43-9	5	5 U	5 U	5 U	5 U	5 U	5 U	-
Chromium	7440-47-3	100	10 U	10 U	10 U	10 U	10 U	10 U	-
Copper	7440-50-8	1300	10 U	10 U	10 U	10 U	13.1	14.3	9%
Iron	7439-89-6	NE	100 U	104	16100	4360	1260	1740	32%
Lead	7439-92-1	15	15 U	15 U	15 U	15 U	15 U	15 U	-
Manganese	7439-96-5	300	10 U	17	1070	2210	4010	3710	8%
Nickel	7440-02-0	100	10 U	10 U	15.1	34.3	10 U	10 U	-
Sodium	7440-23-5	NE	1500 U	2630	3890	71600	24000	22900	5%
Zinc	7440-66-6	NE	50 U	50 U	50 U	50 U	5 U	5 U	-
Mercury	7439-97-6	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	-

Sample ID	VGES	MW-4D	MW-4S		
Sample Date	CAS#	10/11/2023	Q	10/11/2023	Q
	(µg/l)				
Arsenic	7440-38-2	10	8 U	184	
Cadmium	7440-43-9	5	5 U	5 U	
Chromium	7440-47-3	100	10 U	10 U	
Copper	7440-50-8	1300	10 U	10 U	
Iron	7439-89-6	NE	1080	18800	
Lead	7439-92-1	15	15 U	15 U	
Manganese	7439-96-5	300	92.1	133	
Nickel	7440-02-0	100	10 U	40.8	
Sodium	7440-23-5	NE	8440	19600	
Zinc	7440-66-6	NE	5 U	5 U	
Mercury	7439-97-6	2	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)
 Italicized results indicate and exceedance of the non-residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 UJ - Analyte not detected; limit of quantitation estimated during data validation
 J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
 NS - Sample not analyzed for compound

Table C-4
Groundwater WET CHEMISTRY Sample Analytical Results

SampleID		VGES	EB101023		MW-1R		MW-2S		MW-3D		MW-3S		MW-3S-FD		RPD (MW-3S)
Sample Date	CAS#		10/10/2023	Q	10/11/2023	Q	10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	10/10/2023	Q	
		(mg/l)													
Chloride	16887-00-6	BE	1.5 U		7.5 U		7.5 U		38.4		22.1		22.0		0.5%
Chemical Oxygen Demand	COD	NE	75 U		75 U		75 U		75 U		75 U		75 U		-
Sample ID		VGES	MW-4D		MW-4S										
Sample Date	CAS#		10/11/2023	Q	10/11/2023	Q									
		(mg/l)													
Chloride	16887-00-6	BE	7.5 U		10.4										
Chemical Oxygen Demand	COD	NE	75 U		75 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)

Italicized results indicate an exceedance of the non-residential enforcement standard(s)

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

UJ - Analyte not detected; limit of quantitation estimated during data validation

J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated

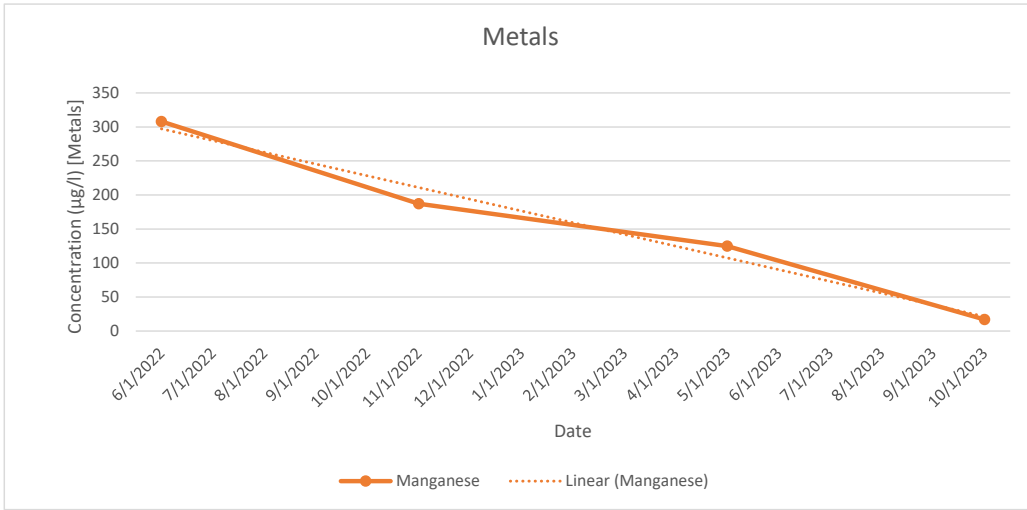
NS - Sample not analyzed for compound

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

Sample ID	Sample Date	CAS#	VGES/DWHA (µg/L)	152 Forest Edge - INF		152 Forest Edge - MID		152 Forest Edge - EFF		Trip Blank	
				11/27/2023	Q	11/27/2023	Q	11/27/2023	Q	11/27/2023	Q
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 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	
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 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	
2-Hexanone		591-78-6	NE	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	
4-Methyl-2-pentanone		108-10-1	NE	5 U		5 U		5 U		5 U	
Acetone		67-64-1	950	10 U		10 U		10 U		10.1	
Acrylonitrile		107-13-1	NE	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	
Bromobenzene		108-86-1	NE	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	
Bromodichloromethane		75-27-4	NE	0.5 U		0.5 U		0.5 U		0.5 U	
Bromoforn		75-25-2	NE	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	
Carbon disulfide		75-15-0	NE	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	
Chlorobenzene		108-90-7	100	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	
Chloroform		67-66-3	NE	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	
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	
Dibromochloromethane		124-48-1	NE	0.5 U		0.5 U		0.5 U		0.5 U	
Dibromodifluoromethane		74-95-3	NE	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	
di-Isopropyl ether		108-20-3	NE	0.5 U		0.5 U		0.5 U		0.5 U	
Ethyl ether		60-29-7	NE	6.47		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	
Ethylbenzene		100-41-4	700	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	
Hexachlorobutadiene		87-68-3	NE	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	
m&p-Xylene		179601-23-1	NE	1 U		1 U		1 U		1 U	
Methyl tertiary butyl ether		1634-04-4	11	0.5 U		0.5 U		0.5 U		0.5 U	
Methylene Chloride		75-09-2	5	12.2		1.97		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	
p-Isopropyltoluene		99-87-6	NE	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	
Styrene		100-42-5	100	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	
t-Butyl alcohol		75-65-0	NE	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	
Tetrachloroethene		127-18-4	5	0.5 U		0.5 U		0.5 U		0.5 U	
Tetrahydrofuran		109-99-9	NE	18.4		7 U		7 U		7 U	
Toluene		108-88-3	1000	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	
Total Xylene		1330-20-7	10000	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	
trans-1,3-Dichloropropene		10061-02-6	NE	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	
Trichlorofluoromethane		75-69-4	NE	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	

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 VTDH DWHA- Vermont Department of Health Drinking Water Health Advisory, November 2018
 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)
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 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
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 J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
 NS - Sample not analyzed for compound

Table and Time Series C-6
MW-1R



Sample ID	VGES	MW-1R	MW-1R	MW-1R	MW-1R				
Sample Date	CAS#	6/7/2022	Q	11/11/2022	Q	5/30/2023	Q	10/11/2023	Q
Analyte									
Total Metals	(µg/l)								
Arsenic	7440-38-2	10	7.1	15 U	8 U	8 U			
Iron	7439-89-6	NE	11800	7250	1400	104			
Manganese	7439-96-5T	300	308	187	125	17			
Sodium	7440-23-5	NE	3640	5000 U	1880	2630			

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)

mg/L - milligrams per liter (parts per million)

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

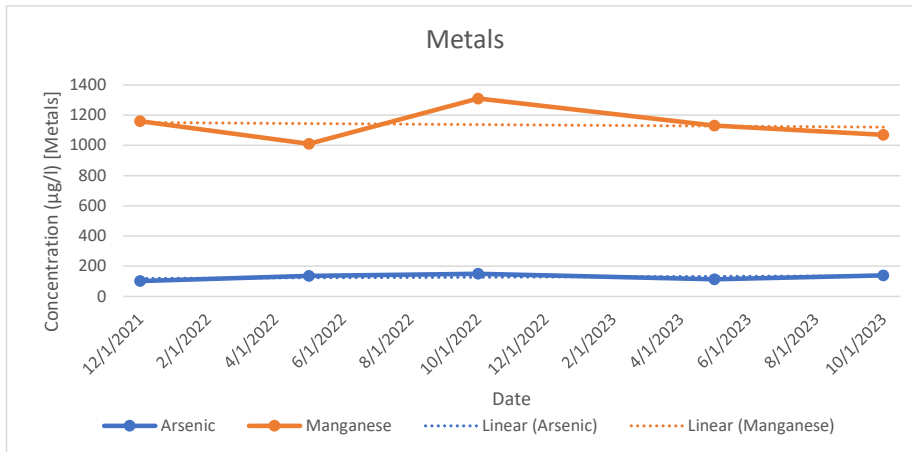
Bold results indicate detections of the analyte

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

NE - screening level not established

NA- Not analyzed

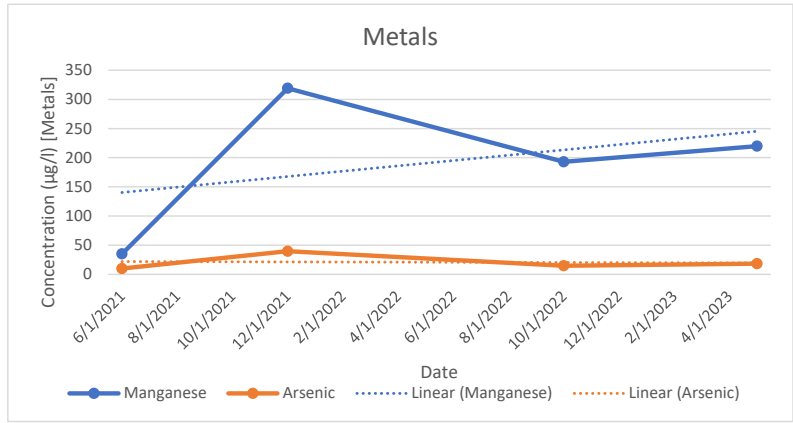
Table and Time Series C-7
MW-2S



Sample ID	VGES	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S				
Sample Date	CAS#	12/23/2021	Q	5/18/2022	Q	10/19/2022	Q	5/30/2023	Q	10/10/2023	Q
Analyte											
PFAS		(ng/L)									
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	2.77		5.5		5.62		2.90		5.50
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.76 U		1.85 U		4.03		1.88 U		2.32
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.76 U		1.85 U		1.82 U		1.88 U		1.86 U
Perfluorononanoic acid (PFNA)	375-95-1	20	1.76 U		1.85 U		1.82 U		1.88 U		1.86 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.76 U		1.85 U		2.94 U		1.88 U		5.13
Perfluorooctanoic acid (PFOA)	335-67-1	20	5.57		6.04		7.16		11.40		8.09
Total Regulated PFAS		20	5.57		6.04		11.19		11.40		15.54
Total Metals		(µg/l)									
Arsenic	7440-38-2	10	102		136		150		113		139
Iron	7439-89-6	NE	15700		15400		15900		14600		16100
Manganese	7439-96-5T	300	1160		1010		1310		1130		1070
Sodium	7440-23-5	NE	3080		2840		4180		3580		3890

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 NA- Not analyzed

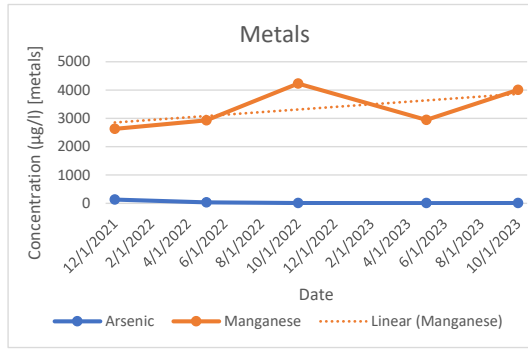
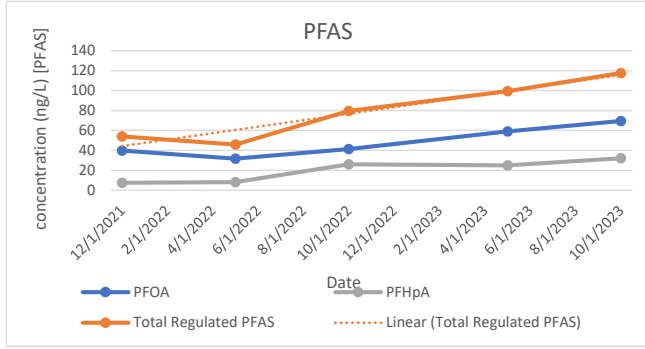
Table and Time Series C-8
MW-2D



Sample ID		VGES	MW-2 (MW-2D)		MW-2D		MW-2D		MW-2D	
Sample Date	CAS#		6/14/2021	Q	12/23/2021	Q	10/19/2022	Q	5/30/2023	Q
Analyte										
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	

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 NA- Not analyzed

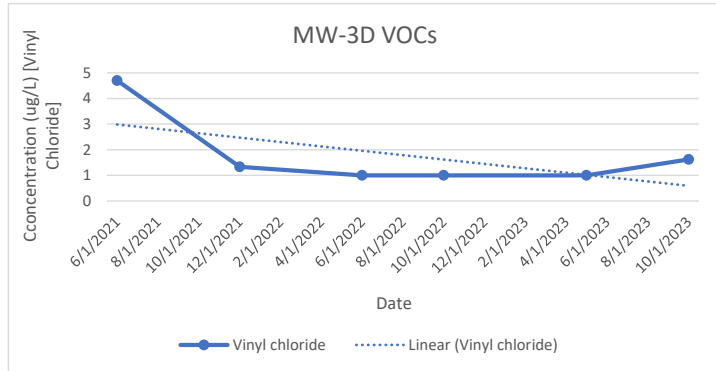
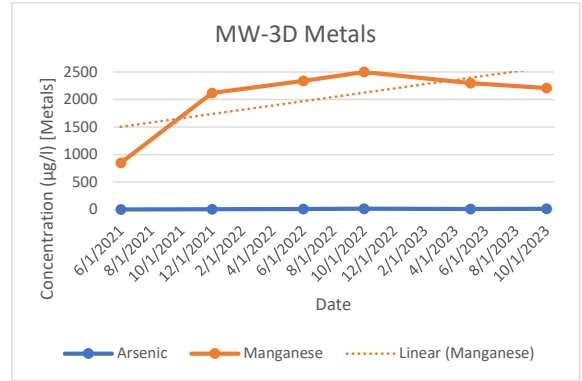
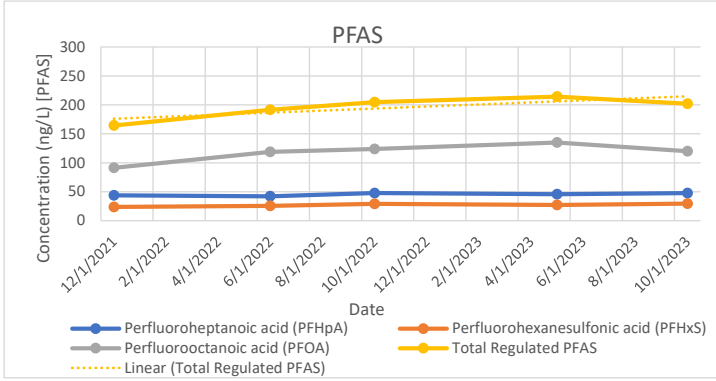
Table and Time Series C-9
MW-3S



Sample ID	VGES	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S					
Sample Date	CAS#	12/27/2021	Q	5/11/2022	Q	10/19/2022	Q	5/31/2023	Q	10/10/2023	Q
Analyte											
VOCs (µg/l)											
Chlorobenzene	108-90-7	100	1.12	1.00	U	1.78	1.74	1.38			
Ethyl ether	60-29-7	NE	1.95	4.01		8.11	3.48	4.41			
Tetrahydrofuran	109-99-9	NE	6.16	2.00	U	23.00	8.79	9.13			
PFAS (ng/L)											
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	1.86	2.42		4.92	4.12	5.37			
Perfluorobutanoic acid (PFBA)	375-22-4	NE	10.0	10.8		18.5	19.2	22.6			
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	7.47	8.07		26.1	25	32.1			
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	6.83	4.08		9.89	12.3	13.7			
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	11.8	15.8		37.3	30.3	45.5			
Perfluorononanoic acid (PFNA)	375-95-1	20	1.72	1.88	U	1.75	1.81	1.92	U		
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.72	1.97		2.2	3.1	2.33			
Perfluorooctanoic acid (PFOA)	335-67-1	20	39.7	31.7		41.4	59.1	69.5			
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	7.40	7.77		21.2	14.3	21.2			
Total Regulated PFAS		20	54.0	45.8		79.6	99.5	117.6			
Total Metals (µg/l) (dissolved)											
Arsenic	7440-38-2	10	133	36		12.9	8.0	13.8	U		
Iron	7439-89-6	NE	15100	4020		1310	375	1740			
Manganese	7439-96-5T	300	2630	2930		4230	2950	4010			
Sodium	7440-23-5	NE	37200	14400		29400	23800	24000			

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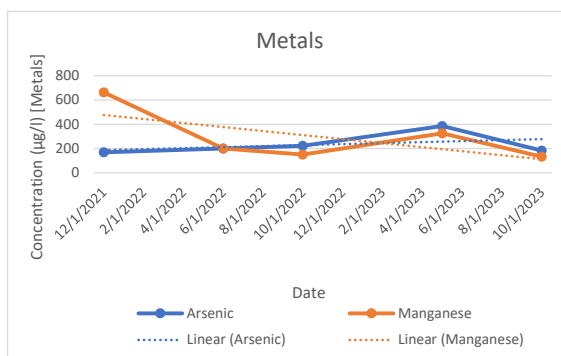
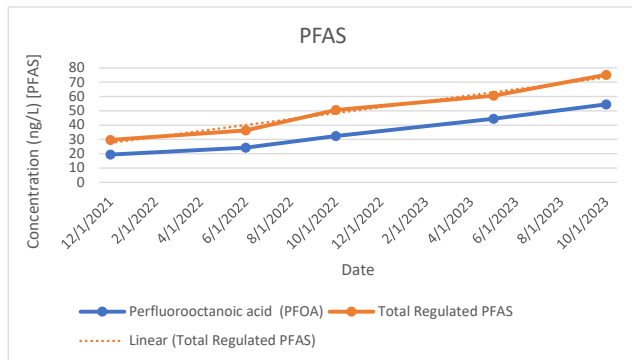
Table and Time Series C-10
MW-3D



Sample ID	Sample Date	CAS#	VGES	MW-5 (MW-3D)		MW-3D		MW-3D		MW-3D		MW-3D		
				6/14/2021	Q	12/27/2021	Q	6/9/2022	Q	10/19/2022	Q	5/31/2023	Q	10/10/2023
VOCs			(µg/l)											
Benzene		71-43-2	5	0.8		1.0	U	1.08		1.56		1.45		1.04
Ethyl ether		60-29-7	NE	7.8		14.8		10		14.4		13.8		12.9
Tetrahydrofuran		109-99-9	NE	21		42.6		19.8		39.9		35.9		26.2
Toluene		108-88-3	1000	1.9		1.0	U	1.0	U	1	U	1	U	1
Vinyl chloride		75-01-4	2	4.7		1.33		1.0	U	1	U	1	U	1.62
PFAS			(ng/L)											
6:2 Fluorotelomer sulfonic acid (6:2 FTS)		27619-97-2	NE	NA		73.0		24.5		4.61		75.5		19.9
Perfluorobutanesulfonic acid (PFBS)		375-73-5	NE	NA		3.69		5.00		5.00		4.41		3.84
Perfluorobutanoic acid (PFBA)		375-22-4	NE	NA		28.1		27.4		26.4		26.8		24.0
Perfluoroheptanoic acid (PFHpA)		375-85-9	20	NA		43.7		42.1		47.8		45.7		47.7
Perfluorohexanesulfonic acid (PFHxS)		355-46-4	20	NA		23.8		25.8		29.1		27.2		29.5
Perfluorohexanoic acid (PFHxA)		307-24-4	NE	NA		59.4		58.6		61.7		70.1		66.5
Perfluorononanoic acid (PFNA)		375-95-1	20	NA		1.82	U	1.83	U	1.81	U	1.8	U	1.87
Perfluorooctanesulfonic acid (PFOS)		1763-23-1	20	NA		5.57		4.78		3.86		7.13		4.78
Perfluorooctanoic acid (PFOA)		335-67-1	20	NA		91.3		119		124		135		120
Perfluoropentanesulfonic acid (PFPeS)		2706-91-4	NE	NA		3.83		4.5		4.91		5.19		4.93
Perfluoropentanoic acid (PFPeA)		2706-90-3	NE	NA		26.0		28.5		31.6		29.6		30.5
Total Regulated PFAS			20	NA		164.4		192		205		214		202
Total Metals			(µg/l) (dissolved)											
Arsenic		7440-38-2	10	5.6		8.0	U	14		19.7		14.8		17.1
Iron		7439-89-6	NE	NA		3340		4030		5080		3520		4360
Manganese		7439-96-5T	300	850		2120		2340		2500		2300		2210
Sodium		7440-23-5	NE	52000		97300		75400		79600		75400		71600

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Table and Time Series C-11
MW-4S

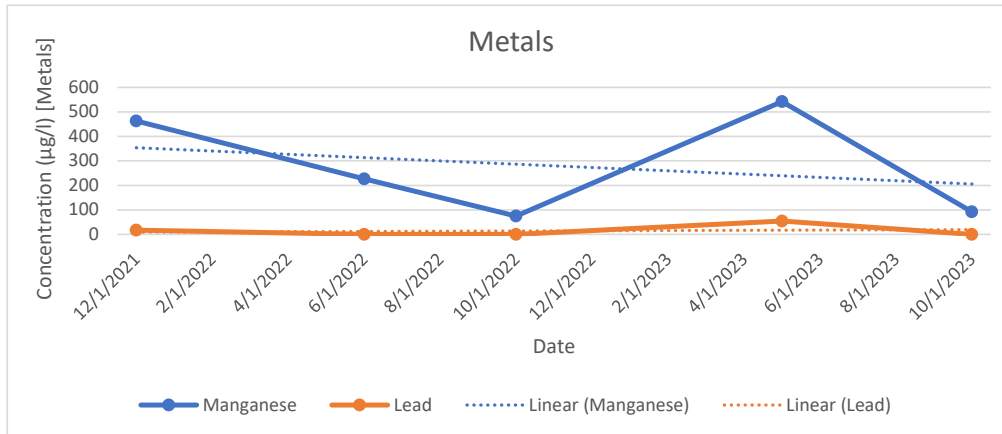


Sample ID	VGES	MW-4S	MW-4S	MW-4S	MW-4S	MW-4S					
Sample Date	CAS#	12/23/2021	Q	6/7/2022	Q	10/19/2022	Q	5/30/2023	Q	10/11/2023	Q
Analyte											
VOCs											
		(µg/l)									
Benzene	71-43-2	5	2.20		2.30		3.37		3.22		3.25
Chlorobenzene	108-90-7	100	1.0 U		2.46		1 U		2.79		3.26
Ethyl ether	60-29-7	NE	9.65		7.11		10.8		11		11
Tetrahydrofuran	109-99-9	NE	7.43		2.0 U		2 U		11.9		9.74
PFAS											
		(ng/L)									
Perfluorobutanoic acid (PFBA)	375-22-4	NE	9.04		8.95		10		9.23		10.3
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	7.52		8.75		13.5		11.3		13.1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	2.72		3.31		4.63		4.87		7.57
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	11.1		11.6		17.0		16.0		18.4
Perfluorononanoic acid (PFNA)	375-95-1	20	1.82 U		1.65 U		1.85 U		1.77 U		1.84 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.82 U		1.65 U		1.85 U		1.77 U		1.84 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	19.4		24.2		32.4		44.4		54.5
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	3.97		5.81		7.15		4.97		6.15
Total Regulated PFAS		20	29.6		36.3		50.5		60.6		75.2
Total Metals											
		(µg/l)									
Arsenic	7440-38-2	10	169		201		223		386		184
Iron	7439-89-6	NE	11100		13000		17600		33500		18800
Manganese	7439-96-5T	300	663		201		151		325		133
Sodium	7440-23-5	NE	38100		18500		20300		33500		19600

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Table and Time Series C-12

MW-4D

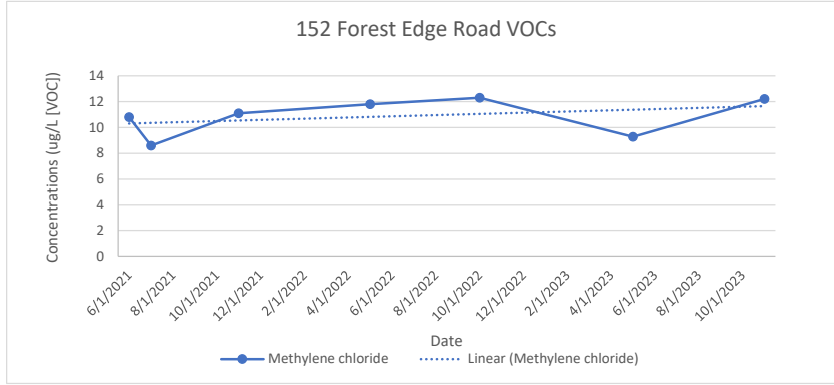


Sample ID	VGES	MW-4D	MW-4D	MW-4D	MW-4D	MW-4D					
Sample Date	CAS#	12/23/2021	Q	6/7/2022	Q	10/19/2022	Q	5/30/2023	Q	10/11/2023	Q
Analyte											
VOCs		(µg/l)									
Freon 12	75-71-8	NE	2.0 U	3.11		4.48		2 U		2 U	
PFAS		(ng/L)									
Perfluorobutanoic acid (PFBA)	375-22-4	NE	12.0	1.84 U	5.23 U	1.86 U	1.81 U				
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	1.95 U	1.84 U	2.09 U	1.86 U	1.81 U				
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.95 U	1.84 U	2.09 U	1.86 U	1.81 U				
Perfluorononanoic acid (PFNA)	375-95-1	20	1.95 U	1.84 U	2.09 U	1.86 U	1.81 U				
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.95 U	1.84 U	2.09 U	1.86 U	1.81 U				
Perfluorooctanoic acid (PFOA)	335-67-1	20	2.52	1.84 U	2.09 U	1.86 U	1.81 U				
Total Regulated PFAS		20	2.52	1.84 U	2.09 U	1.86 U	1.81 U				
Total Metals		(µg/l)									
Arsenic	7440-38-2	10	8.0 U	4	4 U	5.75	8.0 U				
Iron	7439-89-6	NE	10100	7120	165	13800	1080				
Lead	7439-92-1	15	16.8	7.5 U	7.5 U	54.5	15 U				
Manganese	7439-96-5T	300	463	227	74.8	542	92.1				
Sodium	7440-23-5	NE	63800	9330	7490	7180	8440				

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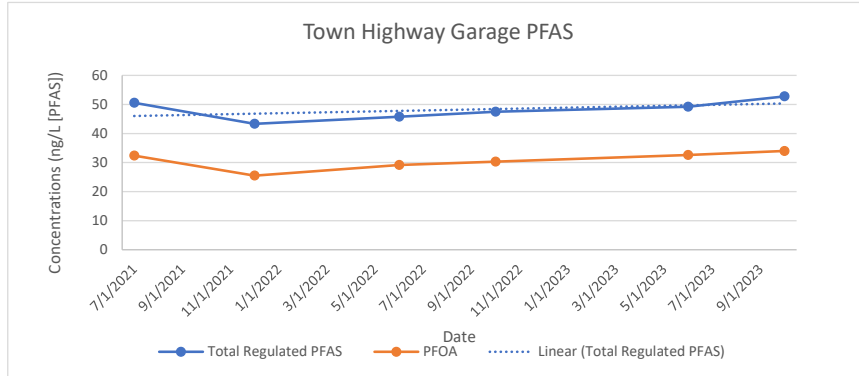
Table and Time Series C-13
152 Forest Edge Road



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	152 Forest Edge - INF
Sample Date	CAS#		6/21/2021	7/20/2021	11/4/2021	5/17/2022	10/20/2022	5/31/2023	11/27/2023
Analyte									
VOCs		(µg/L)							
Ethyl ether	60-29-7	NE	5.3	5.0 U	NA	6.95	6.87	4.82	6.47
Methylene chloride	75-09-2	5	10.8	8.6	11.1	11.8	12.3	9.29	12.2
Tetrahydrofuran (THF)	109-99-9	NE	18.1	17.3	NA	16.6	16.9	14	18.4
PFAS		(ng/L)							
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA	2.93	2.79	2.70	2.14	2.24	2.89
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA	2.04 U	1.76 U	1.88 U	1.77 U	1.76 U	1.65 U
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA	5.84	5.60	4.53	3.95	4.64	5.55
Perfluorononanoic acid (PFNA)	375-95-1	20	NA	2.04 U	1.76 U	1.88 U	1.77 U	1.76 U	1.65 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA	2.04 U	1.76 U	1.88 U	1.77 U	1.76 U	1.65 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA	3.01	2.30	2.69	2.26	2.95	3.24
Total Regulated PFAS		20	NA	5.94	5.09	5.39	4.40	5.19	6.13

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 NA- Not analyzed

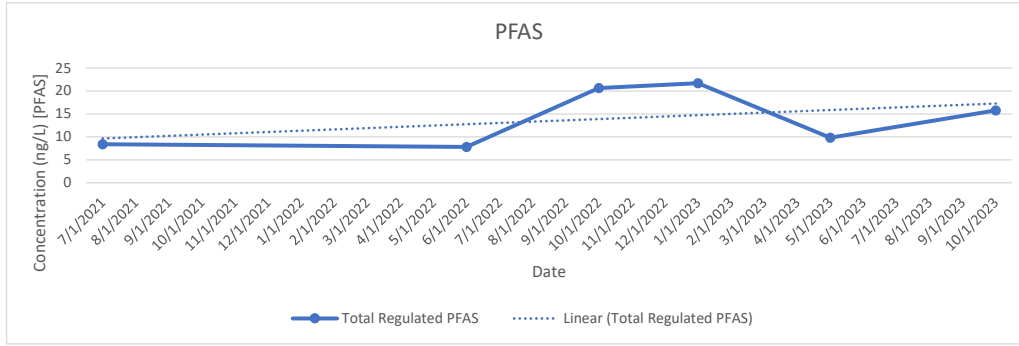
Table and Time Series C-14
Hinesburg Highway Garage



Sample ID	DWHA/ VGES	Hinesburg Highway Garage	Hinesburg Garage	907 Beecher - INF	907 Beecher- INF	907 Beecher- INF	907 Beecher Hill Rd-Inf	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	10/11/2023
Analyte								
VOCs		(µg/l)						
Ethyl ether	60-29-7	NE	6.3	6.7	9.01	8.23	8.59	6.81
Freon 12	75-71-8	NE	5.0 U	5.0 U	2.59	2.84	3.17	0.5 U
Methyl tert-butyl ether	1634-04-4	11	2.0 U	2.0 U	1.01	0.847	1.02	0.81
Tetrahydrofuran	109-99-9	NE	23.7	24.3	28.0	18.8	22.6	22.5
PFAS		(ng/L)						
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NA	2.94	2.33	2.40	2.44	2.57
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA	10.8	11.4	9.89	10.5	10.7
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA	7.37	6.43	6.66	6.85	5.88
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA	18.8	16.1	16.1	16.5	18.3
Perfluorononanoic acid (PFNA)	375-95-1	20	NA	1.80 U	1.84 U	1.62 U	2.02 U	1.59 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA	1.80 U	1.84 U	1.62 U	2.02 U	1.59 U
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA	32.4	25.5	29.2	30.3	32.6
Total Regulated PFAS		20	NA	50.6	43.3	45.8	47.5	49.2

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 NA- Not analyzed

Table and Time Series C-15
685 Beecher Hill Road/56 Forest Edge Road



Sample ID	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	56 Forest Edge-INF	
Sample Date		6/21/2021	7/20/2021	6/9/2022	10/20/2022	1/27/2023	5/31/2023	10/11/2023	
Analyte									
VOCs	(µg/l)								
Chloroform	67-66-3	NE	1.0 U	1.0 U	0.662	0.991	NA	0.5 U	0.531
PFAS	(ng/L)								
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NA	2.21 U	1.68 U	1.96	1.97	1.84	2.90
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA	2.21 U	1.68 U	4.97	3.15	1.74 U	3.05
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA	2.21 U	1.68 U	3.51	1.81	1.74 U	1.87
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA	2.21 U	1.68 U	3.99	2.38	2.24	6.05
Perfluorononanoic acid (PFNA)	375-95-1	20	NA	2.21 U	1.68 U	1.89 U	1.7 U	1.74 U	1.72 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA	3.71	4.46	4.75	3.94	3.95	4.83
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA	4.68	3.35	7.40	12.8	5.88	6.02
Total Regulated PFAS		20	NA	8.39	7.81	20.6	21.7	9.83	15.77

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)
 mg/L - milligrams per liter (parts per million)
 ng/L - nanograms per liter (parts per trillion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the enforcement standard(s)
 NE - screening level not established
 NA- Not analyzed

Appendix D: Laboratory Analytical Reports

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/13/2023 12:15:28 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-14578-1

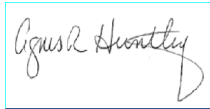
Eurofins New England

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: 620-14578-1

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.

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
I	Value is EMPC (estimated maximum possible concentration).
S1+	Surrogate recovery exceeds control 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: 620-14578-1

Job ID: 620-14578-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-14578-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/13/2023 11:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.0°C, 2.0°C, 2.6°C and 4.4°C

Receipt Exceptions

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): FRB101023 (620-14578-2). The laboratory received 2 total containers, while the COC lists 1 total containers.

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): EB101023 (620-14578-3). The laboratory received 4 total containers, while the COC lists 3 total containers.

One or more containers for the following sample was received broken or leaking: 907 Beecher Hill Rd-EFF (620-14578-13).

The following samples were received at the laboratory outside the required temperature criteria: FRB101023 (620-14578-2), EB101023 (620-14578-3), 152 Forest Edge Rd-INF (620-14578-4), 152 Forest Edge Rd-MID (620-14578-5), 152 Forest Edge Rd-EFF (620-14578-6), MW-3S (620-14578-7), MW-3S-FD (620-14578-8), MW-2S (620-14578-9), MW-3D (620-14578-10), 907 Beecher Hill Rd-INF (620-14578-11), 907 Beecher Hill Rd-MID (620-14578-12), 907 Beecher Hill Rd-EFF (620-14578-13), 56 Forest Edge-INF (620-14578-14), 56 Forest Edge-MID (620-14578-15), 56 Forest Edge-EFF (620-14578-16), 685 Beecher Hill Rd-INF (620-14578-17), 685 Beecher Hill Rd-MID (620-14578-18), 685 Beecher Hill Rd-EFF (620-14578-19), 413 North Road (620-14578-21), 182 Forest's Edge (620-14578-22), 794 Beecher Rd (620-14578-23), 490 North Rd (620-14578-24), 206 Forest's Edge (620-14578-25), 714 Beecher Hill Rd (620-14578-26), 455 North Rd (620-14578-27), 455 North Rd-FD (620-14578-28), MW-4D (620-14578-29), MW-4S (620-14578-30), MW-1R (620-14578-31) and FRB101123 (620-14578-32). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

All preserved containers received high temp, sulfuric and trizma.

GC/MS VOA

Method 524.2_Preserved: The continuing calibration verification (CCV) associated with batch 410-434446 recovered above the upper control limit for <AffectedAnalytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 524.2_Preserved: The continuing calibration verification (CCV) associated with batch 410-434447 recovered above the upper control limit for Chloromethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: 206 Forest's Edge (620-14578-25), 714 Beecher Hill Rd (620-14578-26), 455 North Rd (620-14578-27) and 455 North Rd-FD (620-14578-28).

Method 8260C: The continuing calibration verification (CCV) associated with batch 620-28137 exhibited % difference of > 20% for the following analytes: Bromodichloromethane, tert-Butylbenzene, Dibromochloromethane, trans-1,3-Dichloropropene, Trichlorofluoromethane (Freon 11), 1,2,4-Trimethylbenzene, m-Xylene & p-Xylene and trans-1,4-Dichloro-2-butene; 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

Case Narrative

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

Job ID: 620-14578-1

Job ID: 620-14578-1 (Continued)

Laboratory: Eurofins New England (Continued)

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 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 analyte (biased high): Vinyl chloride. Affected analytes (biased low): 1,2-Dibromo-3-Chloropropane and Hexachlorobutadiene. (CCVIS 620-28140/3)

Method 8260C: The laboratory control sample (LCS) for analytical batch 620-28140 recovered outside in-house control limits for the following analytes: Bromoform and 1,1,1,2-Tetrachloroethane. These analytes were biased low in the LCS and but recovered within 70-130%. According to 8260C requirements, <10% of analytes are allowed to recover outside in-house criteria as long as recovery is within 70-130%; therefore, the data have been reported.

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 620-28140 recovered outside in-house control limits for the following analytes: Chlorobenzene, Chloroform, Bromoform, and 1,1,1,2-Tetrachloroethane. These analytes were biased low in the LCSD and but recovered within 70-130%. According to 8260C requirements, <10% of analytes are allowed to recover outside in-house criteria as long as recovery is within 70-130%; therefore, the data have been reported.

Method 8260C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 620-28206 recovered outside control limits for the following analytes: Vinyl chloride 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 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 analyte (biased high): Vinyl chloride. (CCVIS 620-28206/3)

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

HPLC/IC

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

PFAS

Method 537.1_DW: The recovery for the following surrogate(s): 13C2 PFDA and 13C2 PFHxA in the method blank and laboratory control samples associated with the following samples: FRB101023 (620-14578-2), 152 Forest Edge Rd-INF (620-14578-4), 152 Forest Edge Rd-MID (620-14578-5) and 152 Forest Edge Rd-EFF (620-14578-6) is outside of QC acceptance limits. The sample(s) was re-extracted outside of the required holding time and the recovery for the surrogate(s) in the method blank and laboratory control sample(s) is now within QC acceptance limits.

Method 537.1_DW: The recovery for the following surrogate(s): 13C2 PFHxA in the following samples: 152 Forest Edge Rd-INF (620-14578-4) and 152 Forest Edge Rd-EFF (620-14578-6) is outside of QC acceptance limits. The sample(s) was re-extracted outside of the required holding time and the recovery for the surrogate(s) is now within QC acceptance limits.

Method 537.1_DW: The recovery for the following surrogate(s): 13C2 PFDA and 13C2 PFHxA in the following sample: 907 Beecher Hill Rd-INF (620-14578-11), and in the method blank and laboratory control sample associated with the sample, is outside of QC acceptance limits. The sample(s) was re-extracted outside of the required holding time and the recovery for the surrogate(s) is now within QC acceptance limits.

Method PFC_IDA: The recovery for the labeled isotope(s) M2-4:2 FTS in the following samples: MW-2S (620-14578-9) and MW-4D (620-14578-29) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the

Case Narrative

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

Job ID: 620-14578-1

Job ID: 620-14578-1 (Continued)

Laboratory: Eurofins New England (Continued)

data is reported.

Method PFC_IDA: The recovery for the internal standard(s) in the following sample: MW-4S (620-14578-30) is outside of QC acceptance limits due to the matrix of the sample.

The sample injection standard peak areas in the following sample: MW-4S (620-14578-30) 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 PFC_IDA: The sample injection standard peak areas in the following sample: MW-3D (620-14578-10) 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 PFC_IDA: The recovery for the labeled isotope(s): M2-4:2 FTS in the following sample: MW-1R (620-14578-31) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

Method PFC_IDA: The recovery for the labeled isotope(s): 13C3 PFBS and 13C4 PFBA in the following sample: MW-3D (620-14578-10) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted within the required holding time and the recovery for labeled isotope(s) is again outside QC acceptance limits.

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

Metals

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

General Chemistry

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

Detection Summary

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

Job ID: 620-14578-1

Client Sample ID: TB101023

Lab Sample ID: 620-14578-1

No Detections.

Client Sample ID: FRB101023

Lab Sample ID: 620-14578-2

No Detections.

Client Sample ID: EB101023

Lab Sample ID: 620-14578-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	5.88	*-	1.00	ug/L	1		8260C	Total/NA

Client Sample ID: 152 Forest Edge Rd-INF

Lab Sample ID: 620-14578-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.649		0.500	ug/L	1		524.2	Total/NA
Perfluorohexanoic acid	5.55		1.65	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	2.89		1.65	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	3.24		1.65	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanoic acid - RE	4.82	H	1.68	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid - RE	2.42	H	1.68	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid - RE	2.97	H	1.68	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 152 Forest Edge Rd-MID

Lab Sample ID: 620-14578-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	6.98		0.500	ug/L	1		524.2	Total/NA
Methylene Chloride	12.3		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	17.2		7.00	ug/L	1		524.2	Total/NA

Client Sample ID: 152 Forest Edge Rd-EFF

Lab Sample ID: 620-14578-6

No Detections.

Client Sample ID: MW-3S

Lab Sample ID: 620-14578-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.38		1.00	ug/L	1		8260C	Total/NA
Tetrahydrofuran	8.80		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	4.41		1.00	ug/L	1		8260C	Total/NA
Chloride	22.1		7.50	mg/L	5		EPA 300.0 R2.1	Total/NA
Perfluorobutanesulfonic acid	5.17		1.92	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	22.2		1.92	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	31.8		1.92	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	13.0		1.92	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	45.4		1.92	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	2.33	I	1.92	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	68.0		1.92	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid	3.59		1.92	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	21.2		1.92	ng/L	1		537 IDA	Total/NA
Arsenic	0.0119		0.00800	mg/L	1		6010D	Total/NA
Copper	0.0131		0.0100	mg/L	1		6010D	Total/NA
Iron	1.26		0.100	mg/L	1		6010D	Total/NA
Manganese	4.01		0.0100	mg/L	1		6010D	Total/NA
Sodium	24.0		1.50	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: 620-14578-1

Client Sample ID: MW-3S-FD

Lab Sample ID: 620-14578-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Tetrahydrofuran	9.13		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	4.27		1.00	ug/L	1		8260C	Total/NA
Chloride	22.0		7.50	mg/L	5		EPA 300.0 R2.1	Total/NA
Perfluorobutanesulfonic acid	5.37		1.96	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	22.6		1.96	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	32.1		1.96	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	13.7		1.96	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	45.5		1.96	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	2.33		1.96	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	69.5		1.96	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid	4.75		1.96	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	20.6		1.96	ng/L	1		537 IDA	Total/NA
Arsenic	0.0138		0.00800	mg/L	1		6010D	Total/NA
Copper	0.0143		0.0100	mg/L	1		6010D	Total/NA
Iron	1.74		0.100	mg/L	1		6010D	Total/NA
Manganese	3.71		0.0100	mg/L	1		6010D	Total/NA
Sodium	22.9		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-2S

Lab Sample ID: 620-14578-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	6.00		1.86	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	2.32		1.86	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	5.50		1.86	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	5.13		1.86	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	8.09		1.86	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	4.64		1.86	ng/L	1		537 IDA	Total/NA
Arsenic	0.139		0.00800	mg/L	1		6010D	Total/NA
Iron	16.1		0.100	mg/L	1		6010D	Total/NA
Manganese	1.07		0.0100	mg/L	1		6010D	Total/NA
Nickel	0.0151		0.0100	mg/L	1		6010D	Total/NA
Sodium	3.89		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.04		1.00	ug/L	1		8260C	Total/NA
Vinyl chloride	1.62		1.00	ug/L	1		8260C	Total/NA
Tetrahydrofuran	26.2		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	12.9		1.00	ug/L	1		8260C	Total/NA
Chloride	38.4		15.0	mg/L	10		EPA 300.0 R2.1	Total/NA
Perfluorobutanesulfonic acid	3.84		1.87	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	20.1		1.87	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	47.7		1.87	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	29.5		1.87	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	63.6		1.87	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	4.75		1.87	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	120		1.87	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid	4.53		1.87	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	30.5		1.87	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid	19.9		1.87	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid - RA	3.82		1.87	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: 620-14578-1

Client Sample ID: MW-3D (Continued)

Lab Sample ID: 620-14578-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid - RA	24.0		1.87	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid - RA	47.2		1.87	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid - RA	29.3		1.87	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid - RA	66.5		1.87	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid - RA	4.78		1.87	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid - RA	112		1.87	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid - RA	4.93		1.87	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid - RA	29.1		1.87	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid - RA	19.8		1.87	ng/L	1		537 IDA	Total/NA
Perfluorobutanesulfonic acid - RE	4.10		1.87	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid - RE	33.1		1.87	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid - RE	25.3		1.87	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid - RE	54.0		1.87	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid - RE	5.86		1.87	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid - RE	111		1.87	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid - RE	4.00		1.87	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid - RE	28.4		1.87	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid - RE	44.4		1.87	ng/L	1		537 IDA	Total/NA
Arsenic	0.0171		0.00800	mg/L	1		6010D	Total/NA
Iron	4.36		0.100	mg/L	1		6010D	Total/NA
Manganese	2.21		0.0100	mg/L	1		6010D	Total/NA
Nickel	0.0343		0.0100	mg/L	1		6010D	Total/NA
Sodium	71.6		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: 907 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.22		0.500	ug/L	1		524.2	Total/NA
Ethyl ether	7.97		0.500	ug/L	1		524.2	Total/NA
Methyl tertiary butyl ether	0.896		0.500	ug/L	1		524.2	Total/NA
Methylene Chloride	0.521		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	22.6		7.00	ug/L	1		524.2	Total/NA
Perfluorohexanoic acid	19.0		1.66	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	10.8		1.66	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	34.0		1.66	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	2.70		1.66	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	6.69		1.66	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanoic acid - RE	17.9	H	1.75	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid - RE	9.88	H	1.75	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid - RE	32.4	H	1.75	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid - RE	2.98	H	1.75	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid - RE	7.97	H	1.75	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 907 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-12

No Detections.

Client Sample ID: 907 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-13

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: 620-14578-1

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-14578-14

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.531		0.500	ug/L	1		524.2	Total/NA
Perfluorohexanoic acid	6.05		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	3.05		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	6.02		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	2.90		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	1.87		1.72	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	4.83		1.72	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-14578-15

No Detections.

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-14578-16

No Detections.

Client Sample ID: 685 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-17

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.581		0.500	ug/L	1		524.2	Total/NA
Perfluorohexanoic acid	5.56		1.74	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	2.84		1.74	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	5.86		1.74	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	2.84		1.74	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	1.90		1.74	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	4.55		1.74	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 685 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-18

No Detections.

Client Sample ID: 685 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-19

No Detections.

Client Sample ID: FB101123

Lab Sample ID: 620-14578-20

No Detections.

Client Sample ID: 413 North Road

Lab Sample ID: 620-14578-21

No Detections.

Client Sample ID: 182 Forest's Edge

Lab Sample ID: 620-14578-22

No Detections.

Client Sample ID: 794 Beecher Rd

Lab Sample ID: 620-14578-23

No Detections.

Client Sample ID: 490 North Rd

Lab Sample ID: 620-14578-24

No Detections.

Client Sample ID: 206 Forest's Edge

Lab Sample ID: 620-14578-25

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: 620-14578-1

Client Sample ID: 714 Beecher Hill Rd

Lab Sample ID: 620-14578-26

No Detections.

Client Sample ID: 455 North Rd

Lab Sample ID: 620-14578-27

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid	3.44		1.62	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 455 North Rd-FD

Lab Sample ID: 620-14578-28

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid	3.32		1.62	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: MW-4D

Lab Sample ID: 620-14578-29

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Iron	1.08		0.100	mg/L	1		6010D	Total/NA
Manganese	0.0921		0.0100	mg/L	1		6010D	Total/NA
Sodium	8.44		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-4S

Lab Sample ID: 620-14578-30

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.25		1.00	ug/L	1		8260C	Total/NA
Chlorobenzene	3.26		1.00	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	2.14		1.00	ug/L	1		8260C	Total/NA
Tetrahydrofuran	9.74		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	11.0		1.00	ug/L	1		8260C	Total/NA
Chloride	10.4		7.50	mg/L	5		EPA 300.0 R2.1	Total/NA
Perfluorobutanoic acid	7.13		1.84	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	12.2		1.84	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	7.57		1.84	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	18.4		1.84	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	54.5		1.84	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	5.82		1.84	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid - RA	10.3		1.84	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid - RA	13.1		1.84	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid - RA	5.07		1.84	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid - RA	18.1		1.84	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid - RA	51.8		1.84	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid - RA	6.15		1.84	ng/L	1		537 IDA	Total/NA
Arsenic	0.184		0.00800	mg/L	1		6010D	Total/NA
Iron	18.8		0.100	mg/L	1		6010D	Total/NA
Manganese	0.133		0.0100	mg/L	1		6010D	Total/NA
Nickel	0.0408		0.0100	mg/L	1		6010D	Total/NA
Sodium	19.6		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-1R

Lab Sample ID: 620-14578-31

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.104		0.100	mg/L	1		6010D	Total/NA
Manganese	0.0170		0.0100	mg/L	1		6010D	Total/NA
Sodium	2.63		1.50	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: 620-14578-1

Client Sample ID: FRB101123

Lab Sample ID: 620-14578-32

No Detections.

- 1
- 2
- 3
- 4
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- 7
- 8
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- 11
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- 14
- 15
- 16

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: 620-14578-1

Client Sample ID: TB101023

Lab Sample ID: 620-14578-1

Date Collected: 10/10/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 12:45	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 12:45	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 12:45	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 12:45	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 12:45	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 12:45	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 12:45	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 12:45	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 12:45	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 12:45	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 12:45	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 12:45	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 12:45	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 12:45	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 12:45	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 12:45	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 12:45	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 12:45	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 12:45	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 12:45	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 12:45	1
2-Butanone	ND		5.00	ug/L			10/23/23 12:45	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 12:45	1
2-Hexanone	ND		5.00	ug/L			10/23/23 12:45	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 12:45	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 12:45	1
Acetone	ND		10.0	ug/L			10/23/23 12:45	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 12:45	1
Benzene	ND		0.500	ug/L			10/23/23 12:45	1
Bromobenzene	ND		0.500	ug/L			10/23/23 12:45	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 12:45	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 12:45	1
Bromoform	ND		0.500	ug/L			10/23/23 12:45	1
Bromomethane	ND		0.500	ug/L			10/23/23 12:45	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 12:45	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 12:45	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 12:45	1
Chloroethane	ND		0.500	ug/L			10/23/23 12:45	1
Chloroform	ND		0.500	ug/L			10/23/23 12:45	1
Chloromethane	ND		0.500	ug/L			10/23/23 12:45	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 12:45	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 12:45	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 12:45	1
Dibromomethane	ND		0.500	ug/L			10/23/23 12:45	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 12:45	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 12:45	1
Ethyl ether	ND		0.500	ug/L			10/23/23 12:45	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 12:45	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 12:45	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: TB101023

Lab Sample ID: 620-14578-1

Date Collected: 10/10/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 12:45	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 12:45	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 12:45	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 12:45	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 12:45	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 12:45	1
Naphthalene	ND		0.500	ug/L			10/23/23 12:45	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 12:45	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 12:45	1
o-Xylene	ND		0.500	ug/L			10/23/23 12:45	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 12:45	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 12:45	1
Styrene	ND		0.500	ug/L			10/23/23 12:45	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 12:45	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 12:45	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 12:45	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 12:45	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 12:45	1
Toluene	ND		0.500	ug/L			10/23/23 12:45	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 12:45	1
Trichloroethene	ND		0.500	ug/L			10/23/23 12:45	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 12:45	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 12:45	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		10/23/23 12:45	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 12:45	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: FRB101023

Lab Sample ID: 620-14578-2

Date Collected: 10/10/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluoroheptanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorooctanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorononanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorodecanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorotridecanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorotetradecanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorobutanesulfonic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorohexanesulfonic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorooctanesulfonic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
NEtFOSAA	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
NMeFOSAA	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluoroundecanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Perfluorododecanoic acid	ND		1.79	ng/L		10/18/23 16:36	10/20/23 05:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	117		70 - 130			10/18/23 16:36	10/20/23 05:37	1
13C2 PFHxA	128		70 - 130			10/18/23 16:36	10/20/23 05:37	1
13C3 HFPO-DA	103		70 - 130			10/18/23 16:36	10/20/23 05:37	1
d5-NEtFOSAA	90		70 - 130			10/18/23 16:36	10/20/23 05:37	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	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluoroheptanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorooctanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorononanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorodecanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorotridecanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorotetradecanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorobutanesulfonic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorohexanesulfonic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorooctanesulfonic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
NEtFOSAA	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
NMeFOSAA	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluoroundecanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Perfluorododecanoic acid	ND	H	1.87	ng/L		10/25/23 16:01	10/27/23 09:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	102		70 - 130			10/25/23 16:01	10/27/23 09:27	1
13C2 PFHxA	102		70 - 130			10/25/23 16:01	10/27/23 09:27	1
13C3 HFPO-DA	72		70 - 130			10/25/23 16:01	10/27/23 09:27	1
d5-NEtFOSAA	70		70 - 130			10/25/23 16:01	10/27/23 09:27	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: EB101023

Lab Sample ID: 620-14578-3

Date Collected: 10/10/23 12:00

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 03:31	1
Acetone	ND		10.0	ug/L			10/24/23 03:31	1
Acrylonitrile	ND		0.500	ug/L			10/24/23 03:31	1
Benzene	ND		1.00	ug/L			10/24/23 03:31	1
Bromobenzene	ND		1.00	ug/L			10/24/23 03:31	1
Bromochloromethane	ND		1.00	ug/L			10/24/23 03:31	1
Bromodichloromethane	ND		0.500	ug/L			10/24/23 03:31	1
Bromoform	ND	*-	1.00	ug/L			10/24/23 03:31	1
Bromomethane	ND		2.00	ug/L			10/24/23 03:31	1
2-Butanone (MEK)	ND		2.00	ug/L			10/24/23 03:31	1
n-Butylbenzene	ND		1.00	ug/L			10/24/23 03:31	1
sec-Butylbenzene	ND		1.00	ug/L			10/24/23 03:31	1
tert-Butylbenzene	ND		1.00	ug/L			10/24/23 03:31	1
Carbon disulfide	ND		2.00	ug/L			10/24/23 03:31	1
Carbon tetrachloride	ND		1.00	ug/L			10/24/23 03:31	1
Chlorobenzene	ND	*-	1.00	ug/L			10/24/23 03:31	1
Chloroethane	ND		2.00	ug/L			10/24/23 03:31	1
Chloroform	5.88	*-	1.00	ug/L			10/24/23 03:31	1
Chloromethane	ND		2.00	ug/L			10/24/23 03:31	1
2-Chlorotoluene	ND		1.00	ug/L			10/24/23 03:31	1
4-Chlorotoluene	ND		1.00	ug/L			10/24/23 03:31	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/24/23 03:31	1
Dibromochloromethane	ND		0.500	ug/L			10/24/23 03:31	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/24/23 03:31	1
Dibromomethane	ND		1.00	ug/L			10/24/23 03:31	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/24/23 03:31	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/24/23 03:31	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/24/23 03:31	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/24/23 03:31	1
1,1-Dichloroethane	ND		1.00	ug/L			10/24/23 03:31	1
1,2-Dichloroethane	ND		1.00	ug/L			10/24/23 03:31	1
1,1-Dichloroethene	ND		1.00	ug/L			10/24/23 03:31	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 03:31	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 03:31	1
1,2-Dichloropropane	ND		1.00	ug/L			10/24/23 03:31	1
1,3-Dichloropropane	ND		1.00	ug/L			10/24/23 03:31	1
2,2-Dichloropropane	ND		1.00	ug/L			10/24/23 03:31	1
1,1-Dichloropropene	ND		1.00	ug/L			10/24/23 03:31	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 03:31	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 03:31	1
Ethylbenzene	ND		1.00	ug/L			10/24/23 03:31	1
Hexachlorobutadiene	ND		1.00	ug/L			10/24/23 03:31	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/24/23 03:31	1
Isopropylbenzene	ND		1.00	ug/L			10/24/23 03:31	1
4-Isopropyltoluene	ND		1.00	ug/L			10/24/23 03:31	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/24/23 03:31	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/24/23 03:31	1
Methylene Chloride	ND		2.00	ug/L			10/24/23 03:31	1
Naphthalene	ND		2.00	ug/L			10/24/23 03:31	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: EB101023

Lab Sample ID: 620-14578-3

Date Collected: 10/10/23 12:00

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 03:31	1
Styrene	ND		1.00	ug/L			10/24/23 03:31	1
1,1,1,2-Tetrachloroethane	ND	*-	1.00	ug/L			10/24/23 03:31	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/24/23 03:31	1
Tetrachloroethene	ND		1.00	ug/L			10/24/23 03:31	1
Toluene	ND		1.00	ug/L			10/24/23 03:31	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/24/23 03:31	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/24/23 03:31	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/24/23 03:31	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/24/23 03:31	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/24/23 03:31	1
Trichloroethene	ND		1.00	ug/L			10/24/23 03:31	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/24/23 03:31	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/24/23 03:31	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/24/23 03:31	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/24/23 03:31	1
Vinyl chloride	ND		1.00	ug/L			10/24/23 03:31	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/24/23 03:31	1
o-Xylene	ND		1.00	ug/L			10/24/23 03:31	1
Tetrahydrofuran	ND		2.00	ug/L			10/24/23 03:31	1
Ethyl ether	ND		1.00	ug/L			10/24/23 03:31	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/24/23 03:31	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/24/23 03:31	1
di-Isopropyl ether	ND		1.00	ug/L			10/24/23 03:31	1
tert-Butanol	ND		10.0	ug/L			10/24/23 03:31	1
1,4-Dioxane	ND		50.0	ug/L			10/24/23 03:31	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/24/23 03:31	1
Ethanol	ND		200	ug/L			10/24/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		10/24/23 03:31	1
Toluene-d8 (Surr)	100		70 - 130		10/24/23 03:31	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		10/24/23 03:31	1
Dibromofluoromethane (Surr)	100		70 - 130		10/24/23 03:31	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			11/06/23 20:54	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
NMeFOSAA	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorobutanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorobutanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorodecanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorodecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorododecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluoroheptanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluoroheptanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: EB101023

Lab Sample ID: 620-14578-3

Date Collected: 10/10/23 12:00

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorohexanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorononanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorononanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorooctanesulfonamide	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorooctanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorooctanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluoropentanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluoropentanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorotetradecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluorotridecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Perfluoroundecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
6:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
8:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
4:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 01:51	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	85		35 - 200			10/21/23 08:00	10/26/23 01:51	1
M2-6:2 FTS	82		40 - 200			10/21/23 08:00	10/26/23 01:51	1
M2-8:2 FTS	101		37 - 200			10/21/23 08:00	10/26/23 01:51	1
13C2 PFTeDA	100		10 - 171			10/21/23 08:00	10/26/23 01:51	1
13C3 PFBS	98		34 - 200			10/21/23 08:00	10/26/23 01:51	1
13C4 PFBA	74		22 - 174			10/21/23 08:00	10/26/23 01:51	1
13C4 PFHpA	81		40 - 165			10/21/23 08:00	10/26/23 01:51	1
13C5 PFPeA	71		33 - 196			10/21/23 08:00	10/26/23 01:51	1
13C8 PFOA	80		52 - 153			10/21/23 08:00	10/26/23 01:51	1
13C8 PFOS	92		59 - 155			10/21/23 08:00	10/26/23 01:51	1
d3-NMeFOSAA	114		38 - 168			10/21/23 08:00	10/26/23 01:51	1
d5-NEtFOSAA	123		34 - 181			10/21/23 08:00	10/26/23 01:51	1
13C3 PFHxS	105		48 - 169			10/21/23 08:00	10/26/23 01:51	1
13C5 PFHxA	76		28 - 166			10/21/23 08:00	10/26/23 01:51	1
13C6 PFDA	87		53 - 151			10/21/23 08:00	10/26/23 01:51	1
13C7 PFUnA	94		41 - 163			10/21/23 08:00	10/26/23 01:51	1
13C8 FOSA	88		10 - 155			10/21/23 08:00	10/26/23 01:51	1
13C2-PFDoDA	93		22 - 165			10/21/23 08:00	10/26/23 01:51	1
13C9 PFNA	78		52 - 168			10/21/23 08:00	10/26/23 01:51	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		10/13/23 16:08	10/15/23 10:25	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:08	10/15/23 10:25	1
Chromium	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:25	1
Copper	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:25	1
Iron	ND		0.100	mg/L		10/13/23 16:08	10/15/23 10:25	1
Lead	ND		0.0150	mg/L		10/13/23 16:08	10/15/23 10:25	1
Manganese	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:25	1
Nickel	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:25	1
Sodium	ND		1.50	mg/L		10/13/23 16:08	10/15/23 10:25	1
Zinc	ND		0.0500	mg/L		10/13/23 16:08	10/15/23 10:25	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: EB101023

Lab Sample ID: 620-14578-3

Date Collected: 10/10/23 12:00

Matrix: Water

Date Received: 10/13/23 11:37

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/19/23 09:42	10/19/23 15:23	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 08:42	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-INF

Lab Sample ID: 620-14578-4

Date Collected: 10/10/23 10:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 13:56	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 13:56	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 13:56	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 13:56	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 13:56	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 13:56	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 13:56	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 13:56	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 13:56	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 13:56	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 13:56	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 13:56	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 13:56	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 13:56	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 13:56	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 13:56	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 13:56	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 13:56	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 13:56	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 13:56	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 13:56	1
2-Butanone	ND		5.00	ug/L			10/23/23 13:56	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 13:56	1
2-Hexanone	ND		5.00	ug/L			10/23/23 13:56	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 13:56	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 13:56	1
Acetone	ND		10.0	ug/L			10/23/23 13:56	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 13:56	1
Benzene	ND		0.500	ug/L			10/23/23 13:56	1
Bromobenzene	ND		0.500	ug/L			10/23/23 13:56	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 13:56	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 13:56	1
Bromoform	ND		0.500	ug/L			10/23/23 13:56	1
Bromomethane	ND		0.500	ug/L			10/23/23 13:56	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 13:56	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 13:56	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 13:56	1
Chloroethane	ND		0.500	ug/L			10/23/23 13:56	1
Chloroform	ND		0.500	ug/L			10/23/23 13:56	1
Chloromethane	ND		0.500	ug/L			10/23/23 13:56	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 13:56	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 13:56	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 13:56	1
Dibromomethane	ND		0.500	ug/L			10/23/23 13:56	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 13:56	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 13:56	1
Ethyl ether	ND		0.500	ug/L			10/23/23 13:56	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 13:56	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 13:56	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-INF

Lab Sample ID: 620-14578-4

Date Collected: 10/10/23 10:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 13:56	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 13:56	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 13:56	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 13:56	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 13:56	1
Methylene Chloride	0.649		0.500	ug/L			10/23/23 13:56	1
Naphthalene	ND		0.500	ug/L			10/23/23 13:56	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 13:56	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 13:56	1
o-Xylene	ND		0.500	ug/L			10/23/23 13:56	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 13:56	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 13:56	1
Styrene	ND		0.500	ug/L			10/23/23 13:56	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 13:56	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 13:56	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 13:56	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 13:56	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 13:56	1
Toluene	ND		0.500	ug/L			10/23/23 13:56	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 13:56	1
Trichloroethene	ND		0.500	ug/L			10/23/23 13:56	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 13:56	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 13:56	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		10/23/23 13:56	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 13:56	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	5.55		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluoroheptanoic acid	2.89		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorooctanoic acid	3.24		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorononanoic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorodecanoic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorotridecanoic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorotetradecanoic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorobutanesulfonic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorohexanesulfonic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorooctanesulfonic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
NEtFOSAA	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
NMeFOSAA	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluoroundecanoic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1
Perfluorododecanoic acid	ND		1.65	ng/L		10/18/23 16:36	10/20/23 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	128		70 - 130	10/18/23 16:36	10/20/23 05:48	1
13C2 PFHxA	135	S1+	70 - 130	10/18/23 16:36	10/20/23 05:48	1
13C3 HFPO-DA	122		70 - 130	10/18/23 16:36	10/20/23 05:48	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-INF

Lab Sample ID: 620-14578-4

Date Collected: 10/10/23 10:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	93		70 - 130	10/18/23 16:36	10/20/23 05:48	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	4.82	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluoroheptanoic acid	2.42	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorooctanoic acid	2.97	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorononanoic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorodecanoic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorotridecanoic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorotetradecanoic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorobutanesulfonic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorohexanesulfonic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorooctanesulfonic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
NEtFOSAA	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
NMeFOSAA	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluoroundecanoic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1
Perfluorododecanoic acid	ND	H	1.68	ng/L		10/25/23 16:01	10/27/23 09:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	100		70 - 130	10/25/23 16:01	10/27/23 09:39	1
13C2 PFHxA	106		70 - 130	10/25/23 16:01	10/27/23 09:39	1
13C3 HFPO-DA	103		70 - 130	10/25/23 16:01	10/27/23 09:39	1
d5-NEtFOSAA	98		70 - 130	10/25/23 16:01	10/27/23 09:39	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-MID

Lab Sample ID: 620-14578-5

Date Collected: 10/10/23 10:06

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 14:19	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 14:19	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 14:19	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 14:19	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 14:19	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 14:19	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 14:19	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 14:19	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 14:19	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 14:19	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 14:19	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 14:19	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 14:19	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 14:19	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 14:19	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 14:19	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 14:19	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 14:19	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 14:19	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 14:19	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 14:19	1
2-Butanone	ND		5.00	ug/L			10/23/23 14:19	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 14:19	1
2-Hexanone	ND		5.00	ug/L			10/23/23 14:19	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 14:19	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 14:19	1
Acetone	ND		10.0	ug/L			10/23/23 14:19	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 14:19	1
Benzene	ND		0.500	ug/L			10/23/23 14:19	1
Bromobenzene	ND		0.500	ug/L			10/23/23 14:19	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 14:19	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 14:19	1
Bromoform	ND		0.500	ug/L			10/23/23 14:19	1
Bromomethane	ND		0.500	ug/L			10/23/23 14:19	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 14:19	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 14:19	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 14:19	1
Chloroethane	ND		0.500	ug/L			10/23/23 14:19	1
Chloroform	ND		0.500	ug/L			10/23/23 14:19	1
Chloromethane	ND		0.500	ug/L			10/23/23 14:19	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 14:19	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 14:19	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 14:19	1
Dibromomethane	ND		0.500	ug/L			10/23/23 14:19	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 14:19	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 14:19	1
Ethyl ether	6.98		0.500	ug/L			10/23/23 14:19	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 14:19	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 14:19	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-MID

Lab Sample ID: 620-14578-5

Date Collected: 10/10/23 10:06

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 14:19	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 14:19	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 14:19	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 14:19	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 14:19	1
Methylene Chloride	12.3		0.500	ug/L			10/23/23 14:19	1
Naphthalene	ND		0.500	ug/L			10/23/23 14:19	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 14:19	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 14:19	1
o-Xylene	ND		0.500	ug/L			10/23/23 14:19	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 14:19	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 14:19	1
Styrene	ND		0.500	ug/L			10/23/23 14:19	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 14:19	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 14:19	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 14:19	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 14:19	1
Tetrahydrofuran	17.2		7.00	ug/L			10/23/23 14:19	1
Toluene	ND		0.500	ug/L			10/23/23 14:19	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 14:19	1
Trichloroethene	ND		0.500	ug/L			10/23/23 14:19	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 14:19	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 14:19	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	111		80 - 120		10/23/23 14:19	1
4-Bromofluorobenzene (Surr)	103		80 - 120		10/23/23 14:19	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		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluoroheptanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorooctanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorononanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorodecanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorotridecanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorotetradecanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorobutanesulfonic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorohexanesulfonic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorooctanesulfonic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
NEtFOSAA	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
NMeFOSAA	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluoroundecanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1
Perfluorododecanoic acid	ND		1.88	ng/L		10/18/23 16:36	10/20/23 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	110		70 - 130	10/18/23 16:36	10/20/23 06:00	1
13C2 PFHxA	112		70 - 130	10/18/23 16:36	10/20/23 06:00	1
13C3 HFPO-DA	104		70 - 130	10/18/23 16:36	10/20/23 06:00	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-MID

Lab Sample ID: 620-14578-5

Date Collected: 10/10/23 10:06

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	105		70 - 130	10/18/23 16:36	10/20/23 06:00	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	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluoroheptanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorooctanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorononanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorodecanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorotridecanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorotetradecanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorobutanesulfonic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorohexanesulfonic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorooctanesulfonic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
NEtFOSAA	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
NMeFOSAA	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluoroundecanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1
Perfluorododecanoic acid	ND	H	1.94	ng/L		10/25/23 16:01	10/27/23 09:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	110		70 - 130	10/25/23 16:01	10/27/23 09:50	1
13C2 PFHxA	113		70 - 130	10/25/23 16:01	10/27/23 09:50	1
13C3 HFPO-DA	108		70 - 130	10/25/23 16:01	10/27/23 09:50	1
d5-NEtFOSAA	102		70 - 130	10/25/23 16:01	10/27/23 09:50	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-EFF

Lab Sample ID: 620-14578-6

Date Collected: 10/10/23 10:11

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 14:42	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 14:42	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 14:42	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 14:42	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 14:42	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 14:42	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 14:42	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 14:42	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 14:42	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 14:42	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 14:42	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 14:42	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 14:42	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 14:42	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 14:42	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 14:42	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 14:42	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 14:42	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 14:42	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 14:42	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 14:42	1
2-Butanone	ND		5.00	ug/L			10/23/23 14:42	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 14:42	1
2-Hexanone	ND		5.00	ug/L			10/23/23 14:42	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 14:42	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 14:42	1
Acetone	ND		10.0	ug/L			10/23/23 14:42	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 14:42	1
Benzene	ND		0.500	ug/L			10/23/23 14:42	1
Bromobenzene	ND		0.500	ug/L			10/23/23 14:42	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 14:42	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 14:42	1
Bromoform	ND		0.500	ug/L			10/23/23 14:42	1
Bromomethane	ND		0.500	ug/L			10/23/23 14:42	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 14:42	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 14:42	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 14:42	1
Chloroethane	ND		0.500	ug/L			10/23/23 14:42	1
Chloroform	ND		0.500	ug/L			10/23/23 14:42	1
Chloromethane	ND		0.500	ug/L			10/23/23 14:42	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 14:42	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 14:42	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 14:42	1
Dibromomethane	ND		0.500	ug/L			10/23/23 14:42	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 14:42	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 14:42	1
Ethyl ether	ND		0.500	ug/L			10/23/23 14:42	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 14:42	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 14:42	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-EFF

Lab Sample ID: 620-14578-6

Date Collected: 10/10/23 10:11

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 14:42	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 14:42	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 14:42	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 14:42	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 14:42	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 14:42	1
Naphthalene	ND		0.500	ug/L			10/23/23 14:42	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 14:42	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 14:42	1
o-Xylene	ND		0.500	ug/L			10/23/23 14:42	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 14:42	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 14:42	1
Styrene	ND		0.500	ug/L			10/23/23 14:42	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 14:42	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 14:42	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 14:42	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 14:42	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 14:42	1
Toluene	ND		0.500	ug/L			10/23/23 14:42	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 14:42	1
Trichloroethene	ND		0.500	ug/L			10/23/23 14:42	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 14:42	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 14:42	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		10/23/23 14:42	1
4-Bromofluorobenzene (Surr)	102		80 - 120		10/23/23 14:42	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		10/18/23 16:36	10/20/23 06:12	1
Perfluoroheptanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorooctanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorononanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorodecanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorotridecanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorotetradecanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorobutanesulfonic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorohexanesulfonic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorooctanesulfonic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
NEtFOSAA	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
NMeFOSAA	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluoroundecanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1
Perfluorododecanoic acid	ND		1.87	ng/L		10/18/23 16:36	10/20/23 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	115		70 - 130	10/18/23 16:36	10/20/23 06:12	1
13C2 PFHxA	132	S1+	70 - 130	10/18/23 16:36	10/20/23 06:12	1
13C3 HFPO-DA	120		70 - 130	10/18/23 16:36	10/20/23 06:12	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-EFF

Lab Sample ID: 620-14578-6

Date Collected: 10/10/23 10:11

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	109		70 - 130	10/18/23 16:36	10/20/23 06:12	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	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluoroheptanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorooctanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorononanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorodecanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorotridecanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorotetradecanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorobutanesulfonic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorohexanesulfonic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorooctanesulfonic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
NEtFOSAA	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
NMeFOSAA	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluoroundecanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1
Perfluorododecanoic acid	ND	H	1.79	ng/L		10/25/23 16:01	10/27/23 10:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	89		70 - 130	10/25/23 16:01	10/27/23 10:02	1
13C2 PFHxA	87		70 - 130	10/25/23 16:01	10/27/23 10:02	1
13C3 HFPO-DA	90		70 - 130	10/25/23 16:01	10/27/23 10:02	1
d5-NEtFOSAA	110		70 - 130	10/25/23 16:01	10/27/23 10:02	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S

Lab Sample ID: 620-14578-7

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 21:49	1
Acetone	ND		10.0	ug/L			10/23/23 21:49	1
Acrylonitrile	ND		0.500	ug/L			10/23/23 21:49	1
Benzene	ND		1.00	ug/L			10/23/23 21:49	1
Bromobenzene	ND		1.00	ug/L			10/23/23 21:49	1
Bromochloromethane	ND		1.00	ug/L			10/23/23 21:49	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 21:49	1
Bromoform	ND		1.00	ug/L			10/23/23 21:49	1
Bromomethane	ND		2.00	ug/L			10/23/23 21:49	1
2-Butanone (MEK)	ND		2.00	ug/L			10/23/23 21:49	1
n-Butylbenzene	ND		1.00	ug/L			10/23/23 21:49	1
sec-Butylbenzene	ND		1.00	ug/L			10/23/23 21:49	1
tert-Butylbenzene	ND		1.00	ug/L			10/23/23 21:49	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 21:49	1
Carbon tetrachloride	ND		1.00	ug/L			10/23/23 21:49	1
Chlorobenzene	1.38		1.00	ug/L			10/23/23 21:49	1
Chloroethane	ND		2.00	ug/L			10/23/23 21:49	1
Chloroform	ND		1.00	ug/L			10/23/23 21:49	1
Chloromethane	ND		2.00	ug/L			10/23/23 21:49	1
2-Chlorotoluene	ND		1.00	ug/L			10/23/23 21:49	1
4-Chlorotoluene	ND		1.00	ug/L			10/23/23 21:49	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/23/23 21:49	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 21:49	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/23/23 21:49	1
Dibromomethane	ND		1.00	ug/L			10/23/23 21:49	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/23/23 21:49	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/23/23 21:49	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/23/23 21:49	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/23/23 21:49	1
1,1-Dichloroethane	ND		1.00	ug/L			10/23/23 21:49	1
1,2-Dichloroethane	ND		1.00	ug/L			10/23/23 21:49	1
1,1-Dichloroethene	ND		1.00	ug/L			10/23/23 21:49	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 21:49	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 21:49	1
1,2-Dichloropropane	ND		1.00	ug/L			10/23/23 21:49	1
1,3-Dichloropropane	ND		1.00	ug/L			10/23/23 21:49	1
2,2-Dichloropropane	ND		1.00	ug/L			10/23/23 21:49	1
1,1-Dichloropropene	ND		1.00	ug/L			10/23/23 21:49	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 21:49	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 21:49	1
Ethylbenzene	ND		1.00	ug/L			10/23/23 21:49	1
Hexachlorobutadiene	ND		1.00	ug/L			10/23/23 21:49	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/23/23 21:49	1
Isopropylbenzene	ND		1.00	ug/L			10/23/23 21:49	1
4-Isopropyltoluene	ND		1.00	ug/L			10/23/23 21:49	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/23/23 21:49	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/23/23 21:49	1
Methylene Chloride	ND		2.00	ug/L			10/23/23 21:49	1
Naphthalene	ND		2.00	ug/L			10/23/23 21:49	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S

Lab Sample ID: 620-14578-7

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 21:49	1
Styrene	ND		1.00	ug/L			10/23/23 21:49	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/23/23 21:49	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 21:49	1
Tetrachloroethene	ND		1.00	ug/L			10/23/23 21:49	1
Toluene	ND		1.00	ug/L			10/23/23 21:49	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/23/23 21:49	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/23/23 21:49	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/23/23 21:49	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/23/23 21:49	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/23/23 21:49	1
Trichloroethene	ND		1.00	ug/L			10/23/23 21:49	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/23/23 21:49	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/23/23 21:49	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/23/23 21:49	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/23/23 21:49	1
Vinyl chloride	ND		1.00	ug/L			10/23/23 21:49	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/23/23 21:49	1
o-Xylene	ND		1.00	ug/L			10/23/23 21:49	1
Tetrahydrofuran	8.80		2.00	ug/L			10/23/23 21:49	1
Ethyl ether	4.41		1.00	ug/L			10/23/23 21:49	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/23/23 21:49	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/23/23 21:49	1
di-Isopropyl ether	ND		1.00	ug/L			10/23/23 21:49	1
tert-Butanol	ND		10.0	ug/L			10/23/23 21:49	1
1,4-Dioxane	ND		50.0	ug/L			10/23/23 21:49	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/23/23 21:49	1
Ethanol	ND		200	ug/L			10/23/23 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		10/23/23 21:49	1
Toluene-d8 (Surr)	98		70 - 130		10/23/23 21:49	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		10/23/23 21:49	1
Dibromofluoromethane (Surr)	103		70 - 130		10/23/23 21:49	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.1		7.50	mg/L			11/06/23 22:03	5

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
NMeFOSAA	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorobutanesulfonic acid	5.17		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorobutanoic acid	22.2		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorodecanesulfonic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorodecanoic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorododecanoic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluoroheptanesulfonic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluoroheptanoic acid	31.8		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S

Lab Sample ID: 620-14578-7

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	13.0		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorohexanoic acid	45.4		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorononanesulfonic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorononanoic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorooctanesulfonamide	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorooctanesulfonic acid	2.33	I	1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorooctanoic acid	68.0		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluoropentanesulfonic acid	3.59		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluoropentanoic acid	21.2		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorotetradecanoic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluorotridecanoic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Perfluoroundecanoic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
6:2 Fluorotelomer sulfonic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
8:2 Fluorotelomer sulfonic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
4:2 Fluorotelomer sulfonic acid	ND		1.92	ng/L		10/21/23 08:00	10/26/23 02:02	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	163		35 - 200			10/21/23 08:00	10/26/23 02:02	1
M2-6:2 FTS	137		40 - 200			10/21/23 08:00	10/26/23 02:02	1
M2-8:2 FTS	123		37 - 200			10/21/23 08:00	10/26/23 02:02	1
13C2 PFTeDA	92		10 - 171			10/21/23 08:00	10/26/23 02:02	1
13C3 PFBS	148		34 - 200			10/21/23 08:00	10/26/23 02:02	1
13C4 PFBA	84		22 - 174			10/21/23 08:00	10/26/23 02:02	1
13C4 PFHpA	89		40 - 165			10/21/23 08:00	10/26/23 02:02	1
13C5 PFPeA	126		33 - 196			10/21/23 08:00	10/26/23 02:02	1
13C8 PFOA	89		52 - 153			10/21/23 08:00	10/26/23 02:02	1
13C8 PFOS	93		59 - 155			10/21/23 08:00	10/26/23 02:02	1
d3-NMeFOSAA	116		38 - 168			10/21/23 08:00	10/26/23 02:02	1
d5-NEtFOSAA	119		34 - 181			10/21/23 08:00	10/26/23 02:02	1
13C3 PFHxS	101		48 - 169			10/21/23 08:00	10/26/23 02:02	1
13C5 PFHxA	81		28 - 166			10/21/23 08:00	10/26/23 02:02	1
13C6 PFDA	94		53 - 151			10/21/23 08:00	10/26/23 02:02	1
13C7 PFUnA	90		41 - 163			10/21/23 08:00	10/26/23 02:02	1
13C8 FOSA	99		10 - 155			10/21/23 08:00	10/26/23 02:02	1
13C2-PFDoDA	95		22 - 165			10/21/23 08:00	10/26/23 02:02	1
13C9 PFNA	88		52 - 168			10/21/23 08:00	10/26/23 02:02	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0119		0.00800	mg/L		10/13/23 16:08	10/15/23 10:49	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:08	10/15/23 10:49	1
Chromium	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:49	1
Copper	0.0131		0.0100	mg/L		10/13/23 16:08	10/15/23 10:49	1
Iron	1.26		0.100	mg/L		10/13/23 16:08	10/15/23 10:49	1
Lead	ND		0.0150	mg/L		10/13/23 16:08	10/15/23 10:49	1
Manganese	4.01		0.0100	mg/L		10/13/23 16:08	10/15/23 10:49	1
Nickel	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:49	1
Sodium	24.0		1.50	mg/L		10/13/23 16:08	10/15/23 10:49	1
Zinc	ND		0.0500	mg/L		10/13/23 16:08	10/15/23 10:49	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S

Lab Sample ID: 620-14578-7

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/19/23 09:42	10/19/23 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 08:46	1



Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S-FD

Lab Sample ID: 620-14578-8

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 22:15	1
Acetone	ND		10.0	ug/L			10/23/23 22:15	1
Acrylonitrile	ND		0.500	ug/L			10/23/23 22:15	1
Benzene	ND		1.00	ug/L			10/23/23 22:15	1
Bromobenzene	ND		1.00	ug/L			10/23/23 22:15	1
Bromochloromethane	ND		1.00	ug/L			10/23/23 22:15	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 22:15	1
Bromoform	ND		1.00	ug/L			10/23/23 22:15	1
Bromomethane	ND		2.00	ug/L			10/23/23 22:15	1
2-Butanone (MEK)	ND		2.00	ug/L			10/23/23 22:15	1
n-Butylbenzene	ND		1.00	ug/L			10/23/23 22:15	1
sec-Butylbenzene	ND		1.00	ug/L			10/23/23 22:15	1
tert-Butylbenzene	ND		1.00	ug/L			10/23/23 22:15	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 22:15	1
Carbon tetrachloride	ND		1.00	ug/L			10/23/23 22:15	1
Chlorobenzene	ND		1.00	ug/L			10/23/23 22:15	1
Chloroethane	ND		2.00	ug/L			10/23/23 22:15	1
Chloroform	ND		1.00	ug/L			10/23/23 22:15	1
Chloromethane	ND		2.00	ug/L			10/23/23 22:15	1
2-Chlorotoluene	ND		1.00	ug/L			10/23/23 22:15	1
4-Chlorotoluene	ND		1.00	ug/L			10/23/23 22:15	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/23/23 22:15	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 22:15	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/23/23 22:15	1
Dibromomethane	ND		1.00	ug/L			10/23/23 22:15	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/23/23 22:15	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/23/23 22:15	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/23/23 22:15	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/23/23 22:15	1
1,1-Dichloroethane	ND		1.00	ug/L			10/23/23 22:15	1
1,2-Dichloroethane	ND		1.00	ug/L			10/23/23 22:15	1
1,1-Dichloroethene	ND		1.00	ug/L			10/23/23 22:15	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 22:15	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 22:15	1
1,2-Dichloropropane	ND		1.00	ug/L			10/23/23 22:15	1
1,3-Dichloropropane	ND		1.00	ug/L			10/23/23 22:15	1
2,2-Dichloropropane	ND		1.00	ug/L			10/23/23 22:15	1
1,1-Dichloropropene	ND		1.00	ug/L			10/23/23 22:15	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 22:15	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 22:15	1
Ethylbenzene	ND		1.00	ug/L			10/23/23 22:15	1
Hexachlorobutadiene	ND		1.00	ug/L			10/23/23 22:15	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/23/23 22:15	1
Isopropylbenzene	ND		1.00	ug/L			10/23/23 22:15	1
4-Isopropyltoluene	ND		1.00	ug/L			10/23/23 22:15	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/23/23 22:15	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/23/23 22:15	1
Methylene Chloride	ND		2.00	ug/L			10/23/23 22:15	1
Naphthalene	ND		2.00	ug/L			10/23/23 22:15	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S-FD

Lab Sample ID: 620-14578-8

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 22:15	1
Styrene	ND		1.00	ug/L			10/23/23 22:15	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/23/23 22:15	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 22:15	1
Tetrachloroethene	ND		1.00	ug/L			10/23/23 22:15	1
Toluene	ND		1.00	ug/L			10/23/23 22:15	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/23/23 22:15	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/23/23 22:15	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/23/23 22:15	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/23/23 22:15	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/23/23 22:15	1
Trichloroethene	ND		1.00	ug/L			10/23/23 22:15	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/23/23 22:15	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/23/23 22:15	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/23/23 22:15	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/23/23 22:15	1
Vinyl chloride	ND		1.00	ug/L			10/23/23 22:15	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/23/23 22:15	1
o-Xylene	ND		1.00	ug/L			10/23/23 22:15	1
Tetrahydrofuran	9.13		2.00	ug/L			10/23/23 22:15	1
Ethyl ether	4.27		1.00	ug/L			10/23/23 22:15	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/23/23 22:15	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/23/23 22:15	1
di-Isopropyl ether	ND		1.00	ug/L			10/23/23 22:15	1
tert-Butanol	ND		10.0	ug/L			10/23/23 22:15	1
1,4-Dioxane	ND		50.0	ug/L			10/23/23 22:15	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/23/23 22:15	1
Ethanol	ND		200	ug/L			10/23/23 22:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/23/23 22:15	1
Toluene-d8 (Surr)	101		70 - 130				10/23/23 22:15	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130				10/23/23 22:15	1
Dibromofluoromethane (Surr)	104		70 - 130				10/23/23 22:15	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.0		7.50	mg/L			11/06/23 22:20	5

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
NMeFOSAA	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorobutanesulfonic acid	5.37		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorobutanoic acid	22.6		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorodecanesulfonic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorodecanoic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorododecanoic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluoroheptanesulfonic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluoroheptanoic acid	32.1		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S-FD

Lab Sample ID: 620-14578-8

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	13.7		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorohexanoic acid	45.5		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorononanesulfonic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorononanoic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorooctanesulfonamide	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorooctanesulfonic acid	2.33		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorooctanoic acid	69.5		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluoropentanesulfonic acid	4.75		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluoropentanoic acid	20.6		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorotetradecanoic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluorotridecanoic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Perfluoroundecanoic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
6:2 Fluorotelomer sulfonic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
8:2 Fluorotelomer sulfonic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
4:2 Fluorotelomer sulfonic acid	ND		1.96	ng/L		10/21/23 08:00	10/26/23 02:13	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	160		35 - 200			10/21/23 08:00	10/26/23 02:13	1
M2-6:2 FTS	133		40 - 200			10/21/23 08:00	10/26/23 02:13	1
M2-8:2 FTS	114		37 - 200			10/21/23 08:00	10/26/23 02:13	1
13C2 PFTeDA	86		10 - 171			10/21/23 08:00	10/26/23 02:13	1
13C3 PFBS	137		34 - 200			10/21/23 08:00	10/26/23 02:13	1
13C4 PFBA	53		22 - 174			10/21/23 08:00	10/26/23 02:13	1
13C4 PFHpA	88		40 - 165			10/21/23 08:00	10/26/23 02:13	1
13C5 PFPeA	119		33 - 196			10/21/23 08:00	10/26/23 02:13	1
13C8 PFOA	89		52 - 153			10/21/23 08:00	10/26/23 02:13	1
13C8 PFOS	89		59 - 155			10/21/23 08:00	10/26/23 02:13	1
d3-NMeFOSAA	106		38 - 168			10/21/23 08:00	10/26/23 02:13	1
d5-NEtFOSAA	105		34 - 181			10/21/23 08:00	10/26/23 02:13	1
13C3 PFHxS	101		48 - 169			10/21/23 08:00	10/26/23 02:13	1
13C5 PFHxA	83		28 - 166			10/21/23 08:00	10/26/23 02:13	1
13C6 PFDA	87		53 - 151			10/21/23 08:00	10/26/23 02:13	1
13C7 PFUnA	86		41 - 163			10/21/23 08:00	10/26/23 02:13	1
13C8 FOSA	93		10 - 155			10/21/23 08:00	10/26/23 02:13	1
13C2-PFDoDA	87		22 - 165			10/21/23 08:00	10/26/23 02:13	1
13C9 PFNA	85		52 - 168			10/21/23 08:00	10/26/23 02:13	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0138		0.00800	mg/L		10/13/23 16:08	10/15/23 10:54	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:08	10/15/23 10:54	1
Chromium	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:54	1
Copper	0.0143		0.0100	mg/L		10/13/23 16:08	10/15/23 10:54	1
Iron	1.74		0.100	mg/L		10/13/23 16:08	10/15/23 10:54	1
Lead	ND		0.0150	mg/L		10/13/23 16:08	10/15/23 10:54	1
Manganese	3.71		0.0100	mg/L		10/13/23 16:08	10/15/23 10:54	1
Nickel	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:54	1
Sodium	22.9		1.50	mg/L		10/13/23 16:08	10/15/23 10:54	1
Zinc	ND		0.0500	mg/L		10/13/23 16:08	10/15/23 10:54	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3S-FD

Lab Sample ID: 620-14578-8

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/19/23 09:42	10/19/23 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 08:50	1



Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-2S

Lab Sample ID: 620-14578-9

Date Collected: 10/10/23 13:45

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 22:41	1
Acetone	ND		10.0	ug/L			10/23/23 22:41	1
Acrylonitrile	ND		0.500	ug/L			10/23/23 22:41	1
Benzene	ND		1.00	ug/L			10/23/23 22:41	1
Bromobenzene	ND		1.00	ug/L			10/23/23 22:41	1
Bromochloromethane	ND		1.00	ug/L			10/23/23 22:41	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 22:41	1
Bromoform	ND		1.00	ug/L			10/23/23 22:41	1
Bromomethane	ND		2.00	ug/L			10/23/23 22:41	1
2-Butanone (MEK)	ND		2.00	ug/L			10/23/23 22:41	1
n-Butylbenzene	ND		1.00	ug/L			10/23/23 22:41	1
sec-Butylbenzene	ND		1.00	ug/L			10/23/23 22:41	1
tert-Butylbenzene	ND		1.00	ug/L			10/23/23 22:41	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 22:41	1
Carbon tetrachloride	ND		1.00	ug/L			10/23/23 22:41	1
Chlorobenzene	ND		1.00	ug/L			10/23/23 22:41	1
Chloroethane	ND		2.00	ug/L			10/23/23 22:41	1
Chloroform	ND		1.00	ug/L			10/23/23 22:41	1
Chloromethane	ND		2.00	ug/L			10/23/23 22:41	1
2-Chlorotoluene	ND		1.00	ug/L			10/23/23 22:41	1
4-Chlorotoluene	ND		1.00	ug/L			10/23/23 22:41	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/23/23 22:41	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 22:41	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/23/23 22:41	1
Dibromomethane	ND		1.00	ug/L			10/23/23 22:41	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/23/23 22:41	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/23/23 22:41	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/23/23 22:41	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/23/23 22:41	1
1,1-Dichloroethane	ND		1.00	ug/L			10/23/23 22:41	1
1,2-Dichloroethane	ND		1.00	ug/L			10/23/23 22:41	1
1,1-Dichloroethene	ND		1.00	ug/L			10/23/23 22:41	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 22:41	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 22:41	1
1,2-Dichloropropane	ND		1.00	ug/L			10/23/23 22:41	1
1,3-Dichloropropane	ND		1.00	ug/L			10/23/23 22:41	1
2,2-Dichloropropane	ND		1.00	ug/L			10/23/23 22:41	1
1,1-Dichloropropene	ND		1.00	ug/L			10/23/23 22:41	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 22:41	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 22:41	1
Ethylbenzene	ND		1.00	ug/L			10/23/23 22:41	1
Hexachlorobutadiene	ND		1.00	ug/L			10/23/23 22:41	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/23/23 22:41	1
Isopropylbenzene	ND		1.00	ug/L			10/23/23 22:41	1
4-Isopropyltoluene	ND		1.00	ug/L			10/23/23 22:41	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/23/23 22:41	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/23/23 22:41	1
Methylene Chloride	ND		2.00	ug/L			10/23/23 22:41	1
Naphthalene	ND		2.00	ug/L			10/23/23 22:41	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-2S

Lab Sample ID: 620-14578-9

Date Collected: 10/10/23 13:45

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 22:41	1
Styrene	ND		1.00	ug/L			10/23/23 22:41	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/23/23 22:41	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 22:41	1
Tetrachloroethene	ND		1.00	ug/L			10/23/23 22:41	1
Toluene	ND		1.00	ug/L			10/23/23 22:41	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/23/23 22:41	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/23/23 22:41	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/23/23 22:41	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/23/23 22:41	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/23/23 22:41	1
Trichloroethene	ND		1.00	ug/L			10/23/23 22:41	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/23/23 22:41	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/23/23 22:41	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/23/23 22:41	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/23/23 22:41	1
Vinyl chloride	ND		1.00	ug/L			10/23/23 22:41	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/23/23 22:41	1
o-Xylene	ND		1.00	ug/L			10/23/23 22:41	1
Tetrahydrofuran	ND		2.00	ug/L			10/23/23 22:41	1
Ethyl ether	ND		1.00	ug/L			10/23/23 22:41	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/23/23 22:41	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/23/23 22:41	1
di-Isopropyl ether	ND		1.00	ug/L			10/23/23 22:41	1
tert-Butanol	ND		10.0	ug/L			10/23/23 22:41	1
1,4-Dioxane	ND		50.0	ug/L			10/23/23 22:41	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/23/23 22:41	1
Ethanol	ND		200	ug/L			10/23/23 22:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		10/23/23 22:41	1
Toluene-d8 (Surr)	101		70 - 130		10/23/23 22:41	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		10/23/23 22:41	1
Dibromofluoromethane (Surr)	103		70 - 130		10/23/23 22:41	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			11/06/23 22:37	5

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
NMeFOSAA	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorobutanesulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorobutanoic acid	6.00		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorodecanesulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorodecanoic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorododecanoic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluoroheptanesulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluoroheptanoic acid	2.32	I	1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-2S

Lab Sample ID: 620-14578-9

Date Collected: 10/10/23 13:45

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorohexanoic acid	5.50		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorononanesulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorononanoic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorooctanesulfonamide	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorooctanesulfonic acid	5.13		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorooctanoic acid	8.09		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluoropentanesulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluoropentanoic acid	4.64		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorotetradecanoic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluorotridecanoic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
Perfluoroundecanoic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
6:2 Fluorotelomer sulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
8:2 Fluorotelomer sulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	1
4:2 Fluorotelomer sulfonic acid	ND		1.86	ng/L		10/21/23 08:00	10/26/23 02:36	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	209	*5+	35 - 200			10/21/23 08:00	10/26/23 02:36	1
M2-6:2 FTS	136		40 - 200			10/21/23 08:00	10/26/23 02:36	1
M2-8:2 FTS	115		37 - 200			10/21/23 08:00	10/26/23 02:36	1
13C2 PFTeDA	81		10 - 171			10/21/23 08:00	10/26/23 02:36	1
13C3 PFBS	133		34 - 200			10/21/23 08:00	10/26/23 02:36	1
13C4 PFBA	93		22 - 174			10/21/23 08:00	10/26/23 02:36	1
13C4 PFHpA	93		40 - 165			10/21/23 08:00	10/26/23 02:36	1
13C5 PFPeA	127		33 - 196			10/21/23 08:00	10/26/23 02:36	1
13C8 PFOA	94		52 - 153			10/21/23 08:00	10/26/23 02:36	1
13C8 PFOS	94		59 - 155			10/21/23 08:00	10/26/23 02:36	1
d3-NMeFOSAA	110		38 - 168			10/21/23 08:00	10/26/23 02:36	1
d5-NEtFOSAA	120		34 - 181			10/21/23 08:00	10/26/23 02:36	1
13C3 PFHxS	103		48 - 169			10/21/23 08:00	10/26/23 02:36	1
13C5 PFHxA	93		28 - 166			10/21/23 08:00	10/26/23 02:36	1
13C6 PFDA	96		53 - 151			10/21/23 08:00	10/26/23 02:36	1
13C7 PFUnA	91		41 - 163			10/21/23 08:00	10/26/23 02:36	1
13C8 FOSA	96		10 - 155			10/21/23 08:00	10/26/23 02:36	1
13C2-PFDoDA	86		22 - 165			10/21/23 08:00	10/26/23 02:36	1
13C9 PFNA	93		52 - 168			10/21/23 08:00	10/26/23 02:36	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.139		0.00800	mg/L		10/13/23 16:08	10/15/23 11:00	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:08	10/15/23 11:00	1
Chromium	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 11:00	1
Copper	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 11:00	1
Iron	16.1		0.100	mg/L		10/13/23 16:08	10/15/23 11:00	1
Lead	ND		0.0150	mg/L		10/13/23 16:08	10/15/23 11:00	1
Manganese	1.07		0.0100	mg/L		10/13/23 16:08	10/15/23 11:00	1
Nickel	0.0151		0.0100	mg/L		10/13/23 16:08	10/15/23 11:00	1
Sodium	3.89		1.50	mg/L		10/13/23 16:08	10/15/23 11:00	1
Zinc	ND		0.0500	mg/L		10/13/23 16:08	10/15/23 11:00	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-2S

Lab Sample ID: 620-14578-9

Date Collected: 10/10/23 13:45

Matrix: Water

Date Received: 10/13/23 11:37

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/19/23 09:42	10/19/23 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 08:52	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Date Collected: 10/10/23 15:40

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 23:07	1
Acetone	ND		10.0	ug/L			10/23/23 23:07	1
Acrylonitrile	ND		0.500	ug/L			10/23/23 23:07	1
Benzene	1.04		1.00	ug/L			10/23/23 23:07	1
Bromobenzene	ND		1.00	ug/L			10/23/23 23:07	1
Bromochloromethane	ND		1.00	ug/L			10/23/23 23:07	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 23:07	1
Bromoform	ND		1.00	ug/L			10/23/23 23:07	1
Bromomethane	ND		2.00	ug/L			10/23/23 23:07	1
2-Butanone (MEK)	ND		2.00	ug/L			10/23/23 23:07	1
n-Butylbenzene	ND		1.00	ug/L			10/23/23 23:07	1
sec-Butylbenzene	ND		1.00	ug/L			10/23/23 23:07	1
tert-Butylbenzene	ND		1.00	ug/L			10/23/23 23:07	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 23:07	1
Carbon tetrachloride	ND		1.00	ug/L			10/23/23 23:07	1
Chlorobenzene	ND		1.00	ug/L			10/23/23 23:07	1
Chloroethane	ND		2.00	ug/L			10/23/23 23:07	1
Chloroform	ND		1.00	ug/L			10/23/23 23:07	1
Chloromethane	ND		2.00	ug/L			10/23/23 23:07	1
2-Chlorotoluene	ND		1.00	ug/L			10/23/23 23:07	1
4-Chlorotoluene	ND		1.00	ug/L			10/23/23 23:07	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/23/23 23:07	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 23:07	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/23/23 23:07	1
Dibromomethane	ND		1.00	ug/L			10/23/23 23:07	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/23/23 23:07	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/23/23 23:07	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/23/23 23:07	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/23/23 23:07	1
1,1-Dichloroethane	ND		1.00	ug/L			10/23/23 23:07	1
1,2-Dichloroethane	ND		1.00	ug/L			10/23/23 23:07	1
1,1-Dichloroethene	ND		1.00	ug/L			10/23/23 23:07	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 23:07	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 23:07	1
1,2-Dichloropropane	ND		1.00	ug/L			10/23/23 23:07	1
1,3-Dichloropropane	ND		1.00	ug/L			10/23/23 23:07	1
2,2-Dichloropropane	ND		1.00	ug/L			10/23/23 23:07	1
1,1-Dichloropropene	ND		1.00	ug/L			10/23/23 23:07	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 23:07	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 23:07	1
Ethylbenzene	ND		1.00	ug/L			10/23/23 23:07	1
Hexachlorobutadiene	ND		1.00	ug/L			10/23/23 23:07	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/23/23 23:07	1
Isopropylbenzene	ND		1.00	ug/L			10/23/23 23:07	1
4-Isopropyltoluene	ND		1.00	ug/L			10/23/23 23:07	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/23/23 23:07	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/23/23 23:07	1
Methylene Chloride	ND		2.00	ug/L			10/23/23 23:07	1
Naphthalene	ND		2.00	ug/L			10/23/23 23:07	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Date Collected: 10/10/23 15:40

Matrix: Water

Date Received: 10/13/23 11:37

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			10/23/23 23:07	1
Styrene	ND		1.00	ug/L			10/23/23 23:07	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/23/23 23:07	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 23:07	1
Tetrachloroethene	ND		1.00	ug/L			10/23/23 23:07	1
Toluene	ND		1.00	ug/L			10/23/23 23:07	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/23/23 23:07	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/23/23 23:07	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/23/23 23:07	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/23/23 23:07	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/23/23 23:07	1
Trichloroethene	ND		1.00	ug/L			10/23/23 23:07	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/23/23 23:07	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/23/23 23:07	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/23/23 23:07	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/23/23 23:07	1
Vinyl chloride	1.62		1.00	ug/L			10/23/23 23:07	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/23/23 23:07	1
o-Xylene	ND		1.00	ug/L			10/23/23 23:07	1
Tetrahydrofuran	26.2		2.00	ug/L			10/23/23 23:07	1
Ethyl ether	12.9		1.00	ug/L			10/23/23 23:07	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/23/23 23:07	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/23/23 23:07	1
di-Isopropyl ether	ND		1.00	ug/L			10/23/23 23:07	1
tert-Butanol	ND		10.0	ug/L			10/23/23 23:07	1
1,4-Dioxane	ND		50.0	ug/L			10/23/23 23:07	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/23/23 23:07	1
Ethanol	ND		200	ug/L			10/23/23 23:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/23/23 23:07	1
Toluene-d8 (Surr)	102		70 - 130				10/23/23 23:07	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130				10/23/23 23:07	1
Dibromofluoromethane (Surr)	105		70 - 130				10/23/23 23:07	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.4		15.0	mg/L			11/07/23 18:33	10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
NMeFOSAA	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorobutanesulfonic acid	3.84		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorobutanoic acid	20.1		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorodecanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorodecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorododecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluoroheptanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluoroheptanoic acid	47.7		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Date Collected: 10/10/23 15:40

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	29.5		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorohexanoic acid	63.6		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorononanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorononanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorooctanesulfonamide	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorooctanesulfonic acid	4.75		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorooctanoic acid	120		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluoropentanesulfonic acid	4.53		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluoropentanoic acid	30.5		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorotetradecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluorotridecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Perfluoroundecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
6:2 Fluorotelomer sulfonic acid	19.9		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
8:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
4:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/26/23 02:47	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	170		35 - 200			10/21/23 08:00	10/26/23 02:47	1
M2-6:2 FTS	189		40 - 200			10/21/23 08:00	10/26/23 02:47	1
M2-8:2 FTS	162		37 - 200			10/21/23 08:00	10/26/23 02:47	1
13C2 PFTeDA	95		10 - 171			10/21/23 08:00	10/26/23 02:47	1
13C3 PFBS	219	*5+	34 - 200			10/21/23 08:00	10/26/23 02:47	1
13C4 PFBA	16	*5-	22 - 174			10/21/23 08:00	10/26/23 02:47	1
13C4 PFHpA	86		40 - 165			10/21/23 08:00	10/26/23 02:47	1
13C5 PFPeA	158		33 - 196			10/21/23 08:00	10/26/23 02:47	1
13C8 PFOA	89		52 - 153			10/21/23 08:00	10/26/23 02:47	1
13C8 PFOS	91		59 - 155			10/21/23 08:00	10/26/23 02:47	1
d3-NMeFOSAA	112		38 - 168			10/21/23 08:00	10/26/23 02:47	1
d5-NEtFOSAA	117		34 - 181			10/21/23 08:00	10/26/23 02:47	1
13C3 PFHxS	112		48 - 169			10/21/23 08:00	10/26/23 02:47	1
13C5 PFHxA	73		28 - 166			10/21/23 08:00	10/26/23 02:47	1
13C6 PFDA	98		53 - 151			10/21/23 08:00	10/26/23 02:47	1
13C7 PFUnA	95		41 - 163			10/21/23 08:00	10/26/23 02:47	1
13C8 FOSA	83		10 - 155			10/21/23 08:00	10/26/23 02:47	1
13C2-PFDoDA	93		22 - 165			10/21/23 08:00	10/26/23 02:47	1
13C9 PFNA	87		52 - 168			10/21/23 08:00	10/26/23 02:47	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
NMeFOSAA	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorobutanesulfonic acid	3.82		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorobutanoic acid	24.0		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorodecanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorodecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorododecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluoroheptanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluoroheptanoic acid	47.2		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorohexanesulfonic acid	29.3		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorohexanoic acid	66.5		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Date Collected: 10/10/23 15:40

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorononanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorooctanesulfonamide	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorooctanesulfonic acid	4.78		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorooctanoic acid	112		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluoropentanesulfonic acid	4.93		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluoropentanoic acid	29.1		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorotetradecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluorotridecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Perfluoroundecanoic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
6:2 Fluorotelomer sulfonic acid	19.8		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
8:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
4:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/21/23 08:00	10/28/23 07:47	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	247	*5+	35 - 200			10/21/23 08:00	10/28/23 07:47	1
M2-6:2 FTS	235	*5+	40 - 200			10/21/23 08:00	10/28/23 07:47	1
M2-8:2 FTS	171		37 - 200			10/21/23 08:00	10/28/23 07:47	1
13C2 PFTeDA	80		10 - 171			10/21/23 08:00	10/28/23 07:47	1
13C3 PFBS	183		34 - 200			10/21/23 08:00	10/28/23 07:47	1
13C4 PFBA	15	*5-	22 - 174			10/21/23 08:00	10/28/23 07:47	1
13C4 PFHpA	92		40 - 165			10/21/23 08:00	10/28/23 07:47	1
13C5 PFPeA	145		33 - 196			10/21/23 08:00	10/28/23 07:47	1
13C8 PFOA	95		52 - 153			10/21/23 08:00	10/28/23 07:47	1
13C8 PFOS	94		59 - 155			10/21/23 08:00	10/28/23 07:47	1
d3-NMeFOSAA	98		38 - 168			10/21/23 08:00	10/28/23 07:47	1
d5-NEtFOSAA	108		34 - 181			10/21/23 08:00	10/28/23 07:47	1
13C3 PFHxS	105		48 - 169			10/21/23 08:00	10/28/23 07:47	1
13C5 PFHxA	75		28 - 166			10/21/23 08:00	10/28/23 07:47	1
13C6 PFDA	98		53 - 151			10/21/23 08:00	10/28/23 07:47	1
13C7 PFUnA	94		41 - 163			10/21/23 08:00	10/28/23 07:47	1
13C8 FOSA	80		10 - 155			10/21/23 08:00	10/28/23 07:47	1
13C2-PFDoDA	93		22 - 165			10/21/23 08:00	10/28/23 07:47	1
13C9 PFNA	98		52 - 168			10/21/23 08:00	10/28/23 07:47	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RE

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
NMeFOSAA	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorobutanesulfonic acid	4.10		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorobutanoic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorodecanesulfonic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorodecanoic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorododecanoic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluoroheptanesulfonic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluoroheptanoic acid	33.1		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorohexanesulfonic acid	25.3		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorohexanoic acid	54.0		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorononanesulfonic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorononanoic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Date Collected: 10/10/23 15:40

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RE (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorooctanesulfonic acid	5.86		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorooctanoic acid	111		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluoropentanesulfonic acid	4.00		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluoropentanoic acid	28.4		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorotetradecanoic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluorotridecanoic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
Perfluoroundecanoic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
6:2 Fluorotelomer sulfonic acid	44.4		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
8:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
4:2 Fluorotelomer sulfonic acid	ND		1.87	ng/L		10/31/23 08:28	11/03/23 21:54	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>M2-4:2 FTS</i>	184		35 - 200			10/31/23 08:28	11/03/23 21:54	1
<i>M2-6:2 FTS</i>	194		40 - 200			10/31/23 08:28	11/03/23 21:54	1
<i>M2-8:2 FTS</i>	170		37 - 200			10/31/23 08:28	11/03/23 21:54	1
<i>13C2 PFTeDA</i>	90		10 - 171			10/31/23 08:28	11/03/23 21:54	1
<i>13C3 PFBS</i>	252	*5+	34 - 200			10/31/23 08:28	11/03/23 21:54	1
<i>13C4 PFBA</i>	6	*5-	22 - 174			10/31/23 08:28	11/03/23 21:54	1
<i>13C4 PFHpA</i>	103		40 - 165			10/31/23 08:28	11/03/23 21:54	1
<i>13C5 PFPeA</i>	138		33 - 196			10/31/23 08:28	11/03/23 21:54	1
<i>13C8 PFOA</i>	101		52 - 153			10/31/23 08:28	11/03/23 21:54	1
<i>13C8 PFOS</i>	102		59 - 155			10/31/23 08:28	11/03/23 21:54	1
<i>d3-NMeFOSAA</i>	104		38 - 168			10/31/23 08:28	11/03/23 21:54	1
<i>d5-NEtFOSAA</i>	120		34 - 181			10/31/23 08:28	11/03/23 21:54	1
<i>13C3 PFHxS</i>	126		48 - 169			10/31/23 08:28	11/03/23 21:54	1
<i>13C5 PFHxA</i>	85		28 - 166			10/31/23 08:28	11/03/23 21:54	1
<i>13C6 PFDA</i>	96		53 - 151			10/31/23 08:28	11/03/23 21:54	1
<i>13C7 PFUnA</i>	106		41 - 163			10/31/23 08:28	11/03/23 21:54	1
<i>13C8 FOSA</i>	90		10 - 155			10/31/23 08:28	11/03/23 21:54	1
<i>13C2-PFDoDA</i>	105		22 - 165			10/31/23 08:28	11/03/23 21:54	1
<i>13C9 PFNA</i>	90		52 - 168			10/31/23 08:28	11/03/23 21:54	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0171		0.00800	mg/L		10/13/23 16:08	10/15/23 11:06	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:08	10/15/23 11:06	1
Chromium	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 11:06	1
Copper	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 11:06	1
Iron	4.36		0.100	mg/L		10/13/23 16:08	10/15/23 11:06	1
Lead	ND		0.0150	mg/L		10/13/23 16:08	10/15/23 11:06	1
Manganese	2.21		0.0100	mg/L		10/13/23 16:08	10/15/23 11:06	1
Nickel	0.0343		0.0100	mg/L		10/13/23 16:08	10/15/23 11:06	1
Sodium	71.6		1.50	mg/L		10/13/23 16:08	10/15/23 11:06	1
Zinc	ND		0.0500	mg/L		10/13/23 16:08	10/15/23 11:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/19/23 09:42	10/19/23 15:34	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Date Collected: 10/10/23 15:40

Matrix: Water

Date Received: 10/13/23 11:37

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 08:56	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-11

Date Collected: 10/11/23 09:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 15:05	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 15:05	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 15:05	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 15:05	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 15:05	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 15:05	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 15:05	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 15:05	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 15:05	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 15:05	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 15:05	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 15:05	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 15:05	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:05	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 15:05	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 15:05	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 15:05	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:05	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 15:05	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:05	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 15:05	1
2-Butanone	ND		5.00	ug/L			10/23/23 15:05	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 15:05	1
2-Hexanone	ND		5.00	ug/L			10/23/23 15:05	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 15:05	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 15:05	1
Acetone	ND		10.0	ug/L			10/23/23 15:05	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 15:05	1
Benzene	ND		0.500	ug/L			10/23/23 15:05	1
Bromobenzene	ND		0.500	ug/L			10/23/23 15:05	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 15:05	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 15:05	1
Bromoform	ND		0.500	ug/L			10/23/23 15:05	1
Bromomethane	ND		0.500	ug/L			10/23/23 15:05	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 15:05	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 15:05	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 15:05	1
Chloroethane	ND		0.500	ug/L			10/23/23 15:05	1
Chloroform	ND		0.500	ug/L			10/23/23 15:05	1
Chloromethane	ND		0.500	ug/L			10/23/23 15:05	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 15:05	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 15:05	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 15:05	1
Dibromomethane	ND		0.500	ug/L			10/23/23 15:05	1
Dichlorodifluoromethane	2.22		0.500	ug/L			10/23/23 15:05	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 15:05	1
Ethyl ether	7.97		0.500	ug/L			10/23/23 15:05	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 15:05	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 15:05	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-11

Date Collected: 10/11/23 09:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 15:05	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 15:05	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 15:05	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 15:05	1
Methyl tertiary butyl ether	0.896		0.500	ug/L			10/23/23 15:05	1
Methylene Chloride	0.521		0.500	ug/L			10/23/23 15:05	1
Naphthalene	ND		0.500	ug/L			10/23/23 15:05	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 15:05	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 15:05	1
o-Xylene	ND		0.500	ug/L			10/23/23 15:05	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 15:05	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 15:05	1
Styrene	ND		0.500	ug/L			10/23/23 15:05	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 15:05	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 15:05	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 15:05	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 15:05	1
Tetrahydrofuran	22.6		7.00	ug/L			10/23/23 15:05	1
Toluene	ND		0.500	ug/L			10/23/23 15:05	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 15:05	1
Trichloroethene	ND		0.500	ug/L			10/23/23 15:05	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 15:05	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 15:05	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		10/23/23 15:05	1
4-Bromofluorobenzene (Surr)	102		80 - 120		10/23/23 15:05	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	19.0		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluoroheptanoic acid	10.8		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorooctanoic acid	34.0		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorononanoic acid	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorodecanoic acid	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorotridecanoic acid	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorotetradecanoic acid	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorobutanesulfonic acid	2.70		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorohexanesulfonic acid	6.69		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorooctanesulfonic acid	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
NEtFOSAA	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
NMeFOSAA	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluoroundecanoic acid	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1
Perfluorododecanoic acid	ND		1.66	ng/L		10/18/23 16:36	10/20/23 06:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	116		70 - 130	10/18/23 16:36	10/20/23 06:23	1
13C2 PFHxA	134	S1+	70 - 130	10/18/23 16:36	10/20/23 06:23	1
13C3 HFPO-DA	120		70 - 130	10/18/23 16:36	10/20/23 06:23	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-11

Date Collected: 10/11/23 09:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	111		70 - 130	10/18/23 16:36	10/20/23 06:23	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	17.9	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluoroheptanoic acid	9.88	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorooctanoic acid	32.4	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorononanoic acid	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorodecanoic acid	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorotridecanoic acid	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorotetradecanoic acid	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorobutanesulfonic acid	2.98	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorohexanesulfonic acid	7.97	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorooctanesulfonic acid	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
NEtFOSAA	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
NMeFOSAA	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluoroundecanoic acid	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1
Perfluorododecanoic acid	ND	H	1.75	ng/L		11/08/23 15:52	11/12/23 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	114		70 - 130	11/08/23 15:52	11/12/23 05:31	1
13C2 PFHxA	113		70 - 130	11/08/23 15:52	11/12/23 05:31	1
13C3 HFPO-DA	107		70 - 130	11/08/23 15:52	11/12/23 05:31	1
d5-NEtFOSAA	100		70 - 130	11/08/23 15:52	11/12/23 05:31	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-12

Date Collected: 10/11/23 09:22

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 15:29	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 15:29	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 15:29	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 15:29	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 15:29	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 15:29	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 15:29	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 15:29	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 15:29	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 15:29	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 15:29	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 15:29	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 15:29	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:29	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 15:29	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 15:29	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 15:29	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:29	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 15:29	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:29	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 15:29	1
2-Butanone	ND		5.00	ug/L			10/23/23 15:29	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 15:29	1
2-Hexanone	ND		5.00	ug/L			10/23/23 15:29	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 15:29	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 15:29	1
Acetone	ND		10.0	ug/L			10/23/23 15:29	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 15:29	1
Benzene	ND		0.500	ug/L			10/23/23 15:29	1
Bromobenzene	ND		0.500	ug/L			10/23/23 15:29	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 15:29	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 15:29	1
Bromoform	ND		0.500	ug/L			10/23/23 15:29	1
Bromomethane	ND		0.500	ug/L			10/23/23 15:29	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 15:29	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 15:29	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 15:29	1
Chloroethane	ND		0.500	ug/L			10/23/23 15:29	1
Chloroform	ND		0.500	ug/L			10/23/23 15:29	1
Chloromethane	ND		0.500	ug/L			10/23/23 15:29	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 15:29	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 15:29	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 15:29	1
Dibromomethane	ND		0.500	ug/L			10/23/23 15:29	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 15:29	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 15:29	1
Ethyl ether	ND		0.500	ug/L			10/23/23 15:29	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 15:29	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 15:29	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-12

Date Collected: 10/11/23 09:22

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 15:29	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 15:29	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 15:29	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 15:29	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 15:29	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 15:29	1
Naphthalene	ND		0.500	ug/L			10/23/23 15:29	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 15:29	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 15:29	1
o-Xylene	ND		0.500	ug/L			10/23/23 15:29	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 15:29	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 15:29	1
Styrene	ND		0.500	ug/L			10/23/23 15:29	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 15:29	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 15:29	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 15:29	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 15:29	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 15:29	1
Toluene	ND		0.500	ug/L			10/23/23 15:29	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 15:29	1
Trichloroethene	ND		0.500	ug/L			10/23/23 15:29	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 15:29	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 15:29	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		10/23/23 15:29	1
4-Bromofluorobenzene (Surr)	102		80 - 120		10/23/23 15:29	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		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluoroheptanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorooctanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorononanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorodecanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorotridecanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorotetradecanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorobutanesulfonic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorohexanesulfonic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorooctanesulfonic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
NEtFOSAA	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
NMeFOSAA	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluoroundecanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1
Perfluorododecanoic acid	ND		1.60	ng/L		10/25/23 16:58	10/27/23 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	106		70 - 130	10/25/23 16:58	10/27/23 12:38	1
13C2 PFHxA	102		70 - 130	10/25/23 16:58	10/27/23 12:38	1
13C3 HFPO-DA	106		70 - 130	10/25/23 16:58	10/27/23 12:38	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-12

Date Collected: 10/11/23 09:22

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	101		70 - 130	10/25/23 16:58	10/27/23 12:38	1

- 1
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- 16

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-13

Date Collected: 10/11/23 09:24

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 15:52	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 15:52	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 15:52	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 15:52	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 15:52	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 15:52	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 15:52	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 15:52	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 15:52	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 15:52	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 15:52	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 15:52	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 15:52	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:52	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 15:52	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 15:52	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 15:52	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:52	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 15:52	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 15:52	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 15:52	1
2-Butanone	ND		5.00	ug/L			10/23/23 15:52	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 15:52	1
2-Hexanone	ND		5.00	ug/L			10/23/23 15:52	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 15:52	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 15:52	1
Acetone	ND		10.0	ug/L			10/23/23 15:52	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 15:52	1
Benzene	ND		0.500	ug/L			10/23/23 15:52	1
Bromobenzene	ND		0.500	ug/L			10/23/23 15:52	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 15:52	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 15:52	1
Bromoform	ND		0.500	ug/L			10/23/23 15:52	1
Bromomethane	ND		0.500	ug/L			10/23/23 15:52	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 15:52	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 15:52	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 15:52	1
Chloroethane	ND		0.500	ug/L			10/23/23 15:52	1
Chloroform	ND		0.500	ug/L			10/23/23 15:52	1
Chloromethane	ND		0.500	ug/L			10/23/23 15:52	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 15:52	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 15:52	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 15:52	1
Dibromomethane	ND		0.500	ug/L			10/23/23 15:52	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 15:52	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 15:52	1
Ethyl ether	ND		0.500	ug/L			10/23/23 15:52	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 15:52	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 15:52	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-13

Date Collected: 10/11/23 09:24

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 15:52	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 15:52	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 15:52	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 15:52	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 15:52	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 15:52	1
Naphthalene	ND		0.500	ug/L			10/23/23 15:52	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 15:52	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 15:52	1
o-Xylene	ND		0.500	ug/L			10/23/23 15:52	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 15:52	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 15:52	1
Styrene	ND		0.500	ug/L			10/23/23 15:52	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 15:52	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 15:52	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 15:52	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 15:52	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 15:52	1
Toluene	ND		0.500	ug/L			10/23/23 15:52	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 15:52	1
Trichloroethene	ND		0.500	ug/L			10/23/23 15:52	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 15:52	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 15:52	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		10/23/23 15:52	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/23/23 15:52	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		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluoroheptanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorooctanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorononanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorodecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorotridecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorobutanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorohexanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorooctanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
NEtFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
NMeFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluoroundecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1
Perfluorododecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	105		70 - 130	10/25/23 16:58	10/27/23 12:50	1
13C2 PFHxA	102		70 - 130	10/25/23 16:58	10/27/23 12:50	1
13C3 HFPO-DA	106		70 - 130	10/25/23 16:58	10/27/23 12:50	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-13

Date Collected: 10/11/23 09:24

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	105		70 - 130	10/25/23 16:58	10/27/23 12:50	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-14578-14

Date Collected: 10/11/23 10:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 16:15	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 16:15	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 16:15	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 16:15	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 16:15	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 16:15	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 16:15	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 16:15	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 16:15	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 16:15	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 16:15	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 16:15	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 16:15	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 16:15	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 16:15	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 16:15	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 16:15	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 16:15	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 16:15	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 16:15	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 16:15	1
2-Butanone	ND		5.00	ug/L			10/23/23 16:15	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 16:15	1
2-Hexanone	ND		5.00	ug/L			10/23/23 16:15	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 16:15	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 16:15	1
Acetone	ND		10.0	ug/L			10/23/23 16:15	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 16:15	1
Benzene	ND		0.500	ug/L			10/23/23 16:15	1
Bromobenzene	ND		0.500	ug/L			10/23/23 16:15	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 16:15	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 16:15	1
Bromoform	ND		0.500	ug/L			10/23/23 16:15	1
Bromomethane	ND		0.500	ug/L			10/23/23 16:15	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 16:15	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 16:15	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 16:15	1
Chloroethane	ND		0.500	ug/L			10/23/23 16:15	1
Chloroform	0.531		0.500	ug/L			10/23/23 16:15	1
Chloromethane	ND		0.500	ug/L			10/23/23 16:15	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 16:15	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 16:15	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 16:15	1
Dibromomethane	ND		0.500	ug/L			10/23/23 16:15	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 16:15	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 16:15	1
Ethyl ether	ND		0.500	ug/L			10/23/23 16:15	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 16:15	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 16:15	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-14578-14

Date Collected: 10/11/23 10:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 16:15	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 16:15	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 16:15	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 16:15	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 16:15	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 16:15	1
Naphthalene	ND		0.500	ug/L			10/23/23 16:15	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 16:15	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 16:15	1
o-Xylene	ND		0.500	ug/L			10/23/23 16:15	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 16:15	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 16:15	1
Styrene	ND		0.500	ug/L			10/23/23 16:15	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 16:15	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 16:15	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 16:15	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 16:15	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 16:15	1
Toluene	ND		0.500	ug/L			10/23/23 16:15	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 16:15	1
Trichloroethene	ND		0.500	ug/L			10/23/23 16:15	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 16:15	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 16:15	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		10/23/23 16:15	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 16:15	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	6.05		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluoroheptanoic acid	3.05		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorooctanoic acid	6.02		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorononanoic acid	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorodecanoic acid	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorotridecanoic acid	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorotetradecanoic acid	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorobutanesulfonic acid	2.90		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorohexanesulfonic acid	1.87		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorooctanesulfonic acid	4.83		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
NEtFOSAA	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
NMeFOSAA	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluoroundecanoic acid	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1
Perfluorododecanoic acid	ND		1.72	ng/L		10/25/23 16:58	10/27/23 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	112		70 - 130	10/25/23 16:58	10/27/23 13:01	1
13C2 PFHxA	108		70 - 130	10/25/23 16:58	10/27/23 13:01	1
13C3 HFPO-DA	109		70 - 130	10/25/23 16:58	10/27/23 13:01	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-14578-14

Date Collected: 10/11/23 10:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	10/25/23 16:58	10/27/23 13:01	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-14578-15

Date Collected: 10/11/23 10:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 16:39	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 16:39	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 16:39	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 16:39	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 16:39	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 16:39	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 16:39	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 16:39	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 16:39	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 16:39	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 16:39	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 16:39	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 16:39	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 16:39	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 16:39	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 16:39	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 16:39	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 16:39	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 16:39	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 16:39	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 16:39	1
2-Butanone	ND		5.00	ug/L			10/23/23 16:39	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 16:39	1
2-Hexanone	ND		5.00	ug/L			10/23/23 16:39	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 16:39	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 16:39	1
Acetone	ND		10.0	ug/L			10/23/23 16:39	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 16:39	1
Benzene	ND		0.500	ug/L			10/23/23 16:39	1
Bromobenzene	ND		0.500	ug/L			10/23/23 16:39	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 16:39	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 16:39	1
Bromoform	ND		0.500	ug/L			10/23/23 16:39	1
Bromomethane	ND		0.500	ug/L			10/23/23 16:39	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 16:39	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 16:39	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 16:39	1
Chloroethane	ND		0.500	ug/L			10/23/23 16:39	1
Chloroform	ND		0.500	ug/L			10/23/23 16:39	1
Chloromethane	ND		0.500	ug/L			10/23/23 16:39	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 16:39	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 16:39	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 16:39	1
Dibromomethane	ND		0.500	ug/L			10/23/23 16:39	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 16:39	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 16:39	1
Ethyl ether	ND		0.500	ug/L			10/23/23 16:39	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 16:39	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 16:39	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-14578-15

Date Collected: 10/11/23 10:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 16:39	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 16:39	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 16:39	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 16:39	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 16:39	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 16:39	1
Naphthalene	ND		0.500	ug/L			10/23/23 16:39	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 16:39	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 16:39	1
o-Xylene	ND		0.500	ug/L			10/23/23 16:39	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 16:39	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 16:39	1
Styrene	ND		0.500	ug/L			10/23/23 16:39	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 16:39	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 16:39	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 16:39	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 16:39	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 16:39	1
Toluene	ND		0.500	ug/L			10/23/23 16:39	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 16:39	1
Trichloroethene	ND		0.500	ug/L			10/23/23 16:39	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 16:39	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 16:39	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		10/23/23 16:39	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 16:39	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		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluoroheptanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorooctanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorononanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorodecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorotridecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorobutanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorohexanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorooctanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
NEtFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
NMeFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluoroundecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1
Perfluorododecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	105		70 - 130	10/25/23 16:58	10/27/23 13:13	1
13C2 PFHxA	102		70 - 130	10/25/23 16:58	10/27/23 13:13	1
13C3 HFPO-DA	103		70 - 130	10/25/23 16:58	10/27/23 13:13	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-14578-15

Date Collected: 10/11/23 10:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	101		70 - 130	10/25/23 16:58	10/27/23 13:13	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-14578-16

Date Collected: 10/11/23 10:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 17:02	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 17:02	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 17:02	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 17:02	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 17:02	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 17:02	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 17:02	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 17:02	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 17:02	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 17:02	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 17:02	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 17:02	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 17:02	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:02	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 17:02	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 17:02	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 17:02	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:02	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 17:02	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:02	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 17:02	1
2-Butanone	ND		5.00	ug/L			10/23/23 17:02	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 17:02	1
2-Hexanone	ND		5.00	ug/L			10/23/23 17:02	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 17:02	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 17:02	1
Acetone	ND		10.0	ug/L			10/23/23 17:02	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 17:02	1
Benzene	ND		0.500	ug/L			10/23/23 17:02	1
Bromobenzene	ND		0.500	ug/L			10/23/23 17:02	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 17:02	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 17:02	1
Bromoform	ND		0.500	ug/L			10/23/23 17:02	1
Bromomethane	ND		0.500	ug/L			10/23/23 17:02	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 17:02	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 17:02	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 17:02	1
Chloroethane	ND		0.500	ug/L			10/23/23 17:02	1
Chloroform	ND		0.500	ug/L			10/23/23 17:02	1
Chloromethane	ND		0.500	ug/L			10/23/23 17:02	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 17:02	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 17:02	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 17:02	1
Dibromomethane	ND		0.500	ug/L			10/23/23 17:02	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 17:02	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 17:02	1
Ethyl ether	ND		0.500	ug/L			10/23/23 17:02	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 17:02	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 17:02	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-14578-16

Date Collected: 10/11/23 10:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 17:02	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 17:02	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 17:02	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 17:02	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 17:02	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 17:02	1
Naphthalene	ND		0.500	ug/L			10/23/23 17:02	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 17:02	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 17:02	1
o-Xylene	ND		0.500	ug/L			10/23/23 17:02	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 17:02	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 17:02	1
Styrene	ND		0.500	ug/L			10/23/23 17:02	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 17:02	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 17:02	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 17:02	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 17:02	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 17:02	1
Toluene	ND		0.500	ug/L			10/23/23 17:02	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 17:02	1
Trichloroethene	ND		0.500	ug/L			10/23/23 17:02	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 17:02	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 17:02	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	111		80 - 120		10/23/23 17:02	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/23/23 17:02	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		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluoroheptanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorooctanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorononanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorodecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorotridecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorobutanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorohexanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorooctanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
NEtFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
NMeFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluoroundecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1
Perfluorododecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	105		70 - 130	10/25/23 16:58	10/27/23 13:36	1
13C2 PFHxA	104		70 - 130	10/25/23 16:58	10/27/23 13:36	1
13C3 HFPO-DA	107		70 - 130	10/25/23 16:58	10/27/23 13:36	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-14578-16

Date Collected: 10/11/23 10:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	104		70 - 130	10/25/23 16:58	10/27/23 13:36	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-17

Date Collected: 10/11/23 11:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 17:25	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 17:25	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 17:25	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 17:25	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 17:25	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 17:25	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 17:25	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 17:25	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 17:25	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 17:25	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 17:25	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 17:25	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 17:25	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:25	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 17:25	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 17:25	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 17:25	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:25	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 17:25	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:25	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 17:25	1
2-Butanone	ND		5.00	ug/L			10/23/23 17:25	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 17:25	1
2-Hexanone	ND		5.00	ug/L			10/23/23 17:25	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 17:25	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 17:25	1
Acetone	ND		10.0	ug/L			10/23/23 17:25	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 17:25	1
Benzene	ND		0.500	ug/L			10/23/23 17:25	1
Bromobenzene	ND		0.500	ug/L			10/23/23 17:25	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 17:25	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 17:25	1
Bromoform	ND		0.500	ug/L			10/23/23 17:25	1
Bromomethane	ND		0.500	ug/L			10/23/23 17:25	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 17:25	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 17:25	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 17:25	1
Chloroethane	ND		0.500	ug/L			10/23/23 17:25	1
Chloroform	0.581		0.500	ug/L			10/23/23 17:25	1
Chloromethane	ND		0.500	ug/L			10/23/23 17:25	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 17:25	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 17:25	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 17:25	1
Dibromomethane	ND		0.500	ug/L			10/23/23 17:25	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 17:25	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 17:25	1
Ethyl ether	ND		0.500	ug/L			10/23/23 17:25	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 17:25	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 17:25	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-17

Date Collected: 10/11/23 11:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 17:25	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 17:25	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 17:25	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 17:25	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 17:25	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 17:25	1
Naphthalene	ND		0.500	ug/L			10/23/23 17:25	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 17:25	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 17:25	1
o-Xylene	ND		0.500	ug/L			10/23/23 17:25	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 17:25	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 17:25	1
Styrene	ND		0.500	ug/L			10/23/23 17:25	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 17:25	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 17:25	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 17:25	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 17:25	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 17:25	1
Toluene	ND		0.500	ug/L			10/23/23 17:25	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 17:25	1
Trichloroethene	ND		0.500	ug/L			10/23/23 17:25	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 17:25	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 17:25	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120		10/23/23 17:25	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/23/23 17:25	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	5.56		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluoroheptanoic acid	2.84		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorooctanoic acid	5.86		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorononanoic acid	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorodecanoic acid	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorotridecanoic acid	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorotetradecanoic acid	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorobutanesulfonic acid	2.84		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorohexanesulfonic acid	1.90		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorooctanesulfonic acid	4.55		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
NEtFOSAA	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
NMeFOSAA	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluoroundecanoic acid	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1
Perfluorododecanoic acid	ND		1.74	ng/L		10/25/23 16:58	10/27/23 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	104		70 - 130	10/25/23 16:58	10/27/23 13:48	1
13C2 PFHxA	104		70 - 130	10/25/23 16:58	10/27/23 13:48	1
13C3 HFPO-DA	108		70 - 130	10/25/23 16:58	10/27/23 13:48	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-17

Date Collected: 10/11/23 11:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	102		70 - 130	10/25/23 16:58	10/27/23 13:48	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-18

Date Collected: 10/11/23 11:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 17:49	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 17:49	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 17:49	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 17:49	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 17:49	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 17:49	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 17:49	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 17:49	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 17:49	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 17:49	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 17:49	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 17:49	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 17:49	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:49	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 17:49	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 17:49	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 17:49	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:49	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 17:49	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 17:49	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 17:49	1
2-Butanone	ND		5.00	ug/L			10/23/23 17:49	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 17:49	1
2-Hexanone	ND		5.00	ug/L			10/23/23 17:49	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 17:49	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 17:49	1
Acetone	ND		10.0	ug/L			10/23/23 17:49	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 17:49	1
Benzene	ND		0.500	ug/L			10/23/23 17:49	1
Bromobenzene	ND		0.500	ug/L			10/23/23 17:49	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 17:49	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 17:49	1
Bromoform	ND		0.500	ug/L			10/23/23 17:49	1
Bromomethane	ND		0.500	ug/L			10/23/23 17:49	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 17:49	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 17:49	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 17:49	1
Chloroethane	ND		0.500	ug/L			10/23/23 17:49	1
Chloroform	ND		0.500	ug/L			10/23/23 17:49	1
Chloromethane	ND		0.500	ug/L			10/23/23 17:49	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 17:49	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 17:49	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 17:49	1
Dibromomethane	ND		0.500	ug/L			10/23/23 17:49	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 17:49	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 17:49	1
Ethyl ether	ND		0.500	ug/L			10/23/23 17:49	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 17:49	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 17:49	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-18

Date Collected: 10/11/23 11:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 17:49	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 17:49	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 17:49	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 17:49	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 17:49	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 17:49	1
Naphthalene	ND		0.500	ug/L			10/23/23 17:49	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 17:49	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 17:49	1
o-Xylene	ND		0.500	ug/L			10/23/23 17:49	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 17:49	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 17:49	1
Styrene	ND		0.500	ug/L			10/23/23 17:49	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 17:49	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 17:49	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 17:49	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 17:49	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 17:49	1
Toluene	ND		0.500	ug/L			10/23/23 17:49	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 17:49	1
Trichloroethene	ND		0.500	ug/L			10/23/23 17:49	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 17:49	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 17:49	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	111		80 - 120		10/23/23 17:49	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 17:49	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		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluoroheptanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorooctanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorononanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorodecanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorotridecanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorotetradecanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorobutanesulfonic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorohexanesulfonic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorooctanesulfonic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
NEtFOSAA	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
NMeFOSAA	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluoroundecanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1
Perfluorododecanoic acid	ND		1.61	ng/L		10/25/23 16:58	10/27/23 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	109		70 - 130	10/25/23 16:58	10/27/23 13:59	1
13C2 PFHxA	110		70 - 130	10/25/23 16:58	10/27/23 13:59	1
13C3 HFPO-DA	108		70 - 130	10/25/23 16:58	10/27/23 13:59	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-18

Date Collected: 10/11/23 11:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	111		70 - 130	10/25/23 16:58	10/27/23 13:59	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-19

Date Collected: 10/11/23 11:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 18:12	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 18:12	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 18:12	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 18:12	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 18:12	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 18:12	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 18:12	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 18:12	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 18:12	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 18:12	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 18:12	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 18:12	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 18:12	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:12	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 18:12	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 18:12	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 18:12	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:12	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 18:12	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:12	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 18:12	1
2-Butanone	ND		5.00	ug/L			10/23/23 18:12	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 18:12	1
2-Hexanone	ND		5.00	ug/L			10/23/23 18:12	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 18:12	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 18:12	1
Acetone	ND		10.0	ug/L			10/23/23 18:12	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 18:12	1
Benzene	ND		0.500	ug/L			10/23/23 18:12	1
Bromobenzene	ND		0.500	ug/L			10/23/23 18:12	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 18:12	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 18:12	1
Bromoform	ND		0.500	ug/L			10/23/23 18:12	1
Bromomethane	ND		0.500	ug/L			10/23/23 18:12	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 18:12	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 18:12	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 18:12	1
Chloroethane	ND		0.500	ug/L			10/23/23 18:12	1
Chloroform	ND		0.500	ug/L			10/23/23 18:12	1
Chloromethane	ND		0.500	ug/L			10/23/23 18:12	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 18:12	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 18:12	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 18:12	1
Dibromomethane	ND		0.500	ug/L			10/23/23 18:12	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 18:12	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 18:12	1
Ethyl ether	ND		0.500	ug/L			10/23/23 18:12	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 18:12	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 18:12	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-19

Date Collected: 10/11/23 11:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 18:12	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 18:12	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 18:12	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 18:12	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 18:12	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 18:12	1
Naphthalene	ND		0.500	ug/L			10/23/23 18:12	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 18:12	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 18:12	1
o-Xylene	ND		0.500	ug/L			10/23/23 18:12	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 18:12	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 18:12	1
Styrene	ND		0.500	ug/L			10/23/23 18:12	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 18:12	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 18:12	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 18:12	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 18:12	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 18:12	1
Toluene	ND		0.500	ug/L			10/23/23 18:12	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 18:12	1
Trichloroethene	ND		0.500	ug/L			10/23/23 18:12	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 18:12	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 18:12	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		10/23/23 18:12	1
4-Bromofluorobenzene (Surr)	100		80 - 120		10/23/23 18:12	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		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluoroheptanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorooctanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorononanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorodecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorotridecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorobutanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorohexanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorooctanesulfonic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
NEtFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
NMeFOSAA	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluoroundecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1
Perfluorododecanoic acid	ND		1.62	ng/L		10/25/23 16:58	10/27/23 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130	10/25/23 16:58	10/27/23 14:11	1
13C2 PFHxA	104		70 - 130	10/25/23 16:58	10/27/23 14:11	1
13C3 HFPO-DA	102		70 - 130	10/25/23 16:58	10/27/23 14:11	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-19

Date Collected: 10/11/23 11:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	101		70 - 130	10/25/23 16:58	10/27/23 14:11	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: FB101123

Lab Sample ID: 620-14578-20

Date Collected: 10/11/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 18:35	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 18:35	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 18:35	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 18:35	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 18:35	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 18:35	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 18:35	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 18:35	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 18:35	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 18:35	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 18:35	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 18:35	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 18:35	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:35	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 18:35	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 18:35	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 18:35	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:35	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 18:35	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:35	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 18:35	1
2-Butanone	ND		5.00	ug/L			10/23/23 18:35	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 18:35	1
2-Hexanone	ND		5.00	ug/L			10/23/23 18:35	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 18:35	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 18:35	1
Acetone	ND		10.0	ug/L			10/23/23 18:35	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 18:35	1
Benzene	ND		0.500	ug/L			10/23/23 18:35	1
Bromobenzene	ND		0.500	ug/L			10/23/23 18:35	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 18:35	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 18:35	1
Bromoform	ND		0.500	ug/L			10/23/23 18:35	1
Bromomethane	ND		0.500	ug/L			10/23/23 18:35	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 18:35	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 18:35	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 18:35	1
Chloroethane	ND		0.500	ug/L			10/23/23 18:35	1
Chloroform	ND		0.500	ug/L			10/23/23 18:35	1
Chloromethane	ND		0.500	ug/L			10/23/23 18:35	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 18:35	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 18:35	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 18:35	1
Dibromomethane	ND		0.500	ug/L			10/23/23 18:35	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 18:35	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 18:35	1
Ethyl ether	ND		0.500	ug/L			10/23/23 18:35	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 18:35	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 18:35	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: FB101123

Lab Sample ID: 620-14578-20

Date Collected: 10/11/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 18:35	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 18:35	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 18:35	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 18:35	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 18:35	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 18:35	1
Naphthalene	ND		0.500	ug/L			10/23/23 18:35	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 18:35	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 18:35	1
o-Xylene	ND		0.500	ug/L			10/23/23 18:35	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 18:35	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 18:35	1
Styrene	ND		0.500	ug/L			10/23/23 18:35	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 18:35	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 18:35	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 18:35	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 18:35	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 18:35	1
Toluene	ND		0.500	ug/L			10/23/23 18:35	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 18:35	1
Trichloroethene	ND		0.500	ug/L			10/23/23 18:35	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 18:35	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 18:35	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		10/23/23 18:35	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 18:35	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 413 North Road

Lab Sample ID: 620-14578-21

Date Collected: 10/11/23 10:03

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 18:58	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 18:58	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 18:58	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 18:58	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 18:58	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 18:58	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 18:58	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 18:58	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 18:58	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 18:58	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 18:58	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 18:58	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 18:58	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:58	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 18:58	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 18:58	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 18:58	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:58	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 18:58	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 18:58	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 18:58	1
2-Butanone	ND		5.00	ug/L			10/23/23 18:58	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 18:58	1
2-Hexanone	ND		5.00	ug/L			10/23/23 18:58	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 18:58	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 18:58	1
Acetone	ND		10.0	ug/L			10/23/23 18:58	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 18:58	1
Benzene	ND		0.500	ug/L			10/23/23 18:58	1
Bromobenzene	ND		0.500	ug/L			10/23/23 18:58	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 18:58	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 18:58	1
Bromoform	ND		0.500	ug/L			10/23/23 18:58	1
Bromomethane	ND		0.500	ug/L			10/23/23 18:58	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 18:58	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 18:58	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 18:58	1
Chloroethane	ND		0.500	ug/L			10/23/23 18:58	1
Chloroform	ND		0.500	ug/L			10/23/23 18:58	1
Chloromethane	ND		0.500	ug/L			10/23/23 18:58	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 18:58	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 18:58	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 18:58	1
Dibromomethane	ND		0.500	ug/L			10/23/23 18:58	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 18:58	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 18:58	1
Ethyl ether	ND		0.500	ug/L			10/23/23 18:58	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 18:58	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 18:58	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 413 North Road

Lab Sample ID: 620-14578-21

Date Collected: 10/11/23 10:03

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 18:58	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 18:58	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 18:58	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 18:58	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 18:58	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 18:58	1
Naphthalene	ND		0.500	ug/L			10/23/23 18:58	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 18:58	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 18:58	1
o-Xylene	ND		0.500	ug/L			10/23/23 18:58	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 18:58	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 18:58	1
Styrene	ND		0.500	ug/L			10/23/23 18:58	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 18:58	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 18:58	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 18:58	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 18:58	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 18:58	1
Toluene	ND		0.500	ug/L			10/23/23 18:58	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 18:58	1
Trichloroethene	ND		0.500	ug/L			10/23/23 18:58	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 18:58	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 18:58	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	110		80 - 120		10/23/23 18:58	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 18:58	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		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluoroheptanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorooctanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorononanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorodecanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorotridecanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorotetradecanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorobutanesulfonic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorohexanesulfonic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorooctanesulfonic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
NEtFOSAA	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
NMeFOSAA	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluoroundecanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1
Perfluorododecanoic acid	ND		1.70	ng/L		10/25/23 16:58	10/27/23 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	106		70 - 130	10/25/23 16:58	10/27/23 14:22	1
13C2 PFHxA	102		70 - 130	10/25/23 16:58	10/27/23 14:22	1
13C3 HFPO-DA	107		70 - 130	10/25/23 16:58	10/27/23 14:22	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 413 North Road

Lab Sample ID: 620-14578-21

Date Collected: 10/11/23 10:03

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	110		70 - 130	10/25/23 16:58	10/27/23 14:22	1

- 1
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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 182 Forest's Edge

Lab Sample ID: 620-14578-22

Date Collected: 10/11/23 12:32

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:22	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 19:22	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 19:22	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 19:22	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 19:22	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 19:22	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 19:22	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:22	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 19:22	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:22	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:22	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 19:22	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 19:22	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:22	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 19:22	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:22	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:22	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:22	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 19:22	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:22	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:22	1
2-Butanone	ND		5.00	ug/L			10/23/23 19:22	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:22	1
2-Hexanone	ND		5.00	ug/L			10/23/23 19:22	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:22	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 19:22	1
Acetone	ND		10.0	ug/L			10/23/23 19:22	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 19:22	1
Benzene	ND		0.500	ug/L			10/23/23 19:22	1
Bromobenzene	ND		0.500	ug/L			10/23/23 19:22	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 19:22	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 19:22	1
Bromoform	ND		0.500	ug/L			10/23/23 19:22	1
Bromomethane	ND		0.500	ug/L			10/23/23 19:22	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 19:22	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 19:22	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 19:22	1
Chloroethane	ND		0.500	ug/L			10/23/23 19:22	1
Chloroform	ND		0.500	ug/L			10/23/23 19:22	1
Chloromethane	ND		0.500	ug/L			10/23/23 19:22	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:22	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:22	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 19:22	1
Dibromomethane	ND		0.500	ug/L			10/23/23 19:22	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 19:22	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 19:22	1
Ethyl ether	ND		0.500	ug/L			10/23/23 19:22	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 19:22	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 19:22	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 182 Forest's Edge

Lab Sample ID: 620-14578-22

Date Collected: 10/11/23 12:32

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:22	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 19:22	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 19:22	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 19:22	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 19:22	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 19:22	1
Naphthalene	ND		0.500	ug/L			10/23/23 19:22	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 19:22	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 19:22	1
o-Xylene	ND		0.500	ug/L			10/23/23 19:22	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 19:22	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 19:22	1
Styrene	ND		0.500	ug/L			10/23/23 19:22	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 19:22	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 19:22	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 19:22	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 19:22	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 19:22	1
Toluene	ND		0.500	ug/L			10/23/23 19:22	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:22	1
Trichloroethene	ND		0.500	ug/L			10/23/23 19:22	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 19:22	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 19:22	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		10/23/23 19:22	1
4-Bromofluorobenzene (Surr)	103		80 - 120		10/23/23 19:22	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		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluoroheptanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorooctanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorononanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorodecanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorotridecanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorotetradecanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorobutanesulfonic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorohexanesulfonic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorooctanesulfonic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
NEtFOSAA	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
NMeFOSAA	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluoroundecanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1
Perfluorododecanoic acid	ND		1.85	ng/L		10/18/23 16:49	10/19/23 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	121		70 - 130	10/18/23 16:49	10/19/23 23:39	1
13C2 PFHxA	124		70 - 130	10/18/23 16:49	10/19/23 23:39	1
13C3 HFPO-DA	116		70 - 130	10/18/23 16:49	10/19/23 23:39	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 182 Forest's Edge

Lab Sample ID: 620-14578-22

Date Collected: 10/11/23 12:32

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	107		70 - 130	10/18/23 16:49	10/19/23 23:39	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 794 Beecher Rd

Lab Sample ID: 620-14578-23

Date Collected: 10/11/23 11:02

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:45	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 19:45	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 19:45	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 19:45	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 19:45	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 19:45	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 19:45	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:45	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 19:45	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:45	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:45	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 19:45	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 19:45	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:45	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 19:45	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:45	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:45	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:45	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 19:45	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:45	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:45	1
2-Butanone	ND		5.00	ug/L			10/23/23 19:45	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:45	1
2-Hexanone	ND		5.00	ug/L			10/23/23 19:45	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:45	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 19:45	1
Acetone	ND		10.0	ug/L			10/23/23 19:45	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 19:45	1
Benzene	ND		0.500	ug/L			10/23/23 19:45	1
Bromobenzene	ND		0.500	ug/L			10/23/23 19:45	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 19:45	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 19:45	1
Bromoform	ND		0.500	ug/L			10/23/23 19:45	1
Bromomethane	ND		0.500	ug/L			10/23/23 19:45	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 19:45	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 19:45	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 19:45	1
Chloroethane	ND		0.500	ug/L			10/23/23 19:45	1
Chloroform	ND		0.500	ug/L			10/23/23 19:45	1
Chloromethane	ND		0.500	ug/L			10/23/23 19:45	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:45	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:45	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 19:45	1
Dibromomethane	ND		0.500	ug/L			10/23/23 19:45	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 19:45	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 19:45	1
Ethyl ether	ND		0.500	ug/L			10/23/23 19:45	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 19:45	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 19:45	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 794 Beecher Rd

Lab Sample ID: 620-14578-23

Date Collected: 10/11/23 11:02

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:45	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 19:45	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 19:45	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 19:45	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 19:45	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 19:45	1
Naphthalene	ND		0.500	ug/L			10/23/23 19:45	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 19:45	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 19:45	1
o-Xylene	ND		0.500	ug/L			10/23/23 19:45	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 19:45	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 19:45	1
Styrene	ND		0.500	ug/L			10/23/23 19:45	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 19:45	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 19:45	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 19:45	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 19:45	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 19:45	1
Toluene	ND		0.500	ug/L			10/23/23 19:45	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:45	1
Trichloroethene	ND		0.500	ug/L			10/23/23 19:45	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 19:45	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 19:45	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	111		80 - 120		10/23/23 19:45	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 19:45	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		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluoroheptanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorooctanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorononanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorodecanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorotridecanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorotetradecanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorobutanesulfonic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorohexanesulfonic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorooctanesulfonic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
NEtFOSAA	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
NMeFOSAA	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluoroundecanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1
Perfluorododecanoic acid	ND		1.80	ng/L		10/18/23 16:49	10/19/23 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	115		70 - 130	10/18/23 16:49	10/19/23 23:50	1
13C2 PFHxA	123		70 - 130	10/18/23 16:49	10/19/23 23:50	1
13C3 HFPO-DA	114		70 - 130	10/18/23 16:49	10/19/23 23:50	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 794 Beecher Rd

Lab Sample ID: 620-14578-23

Date Collected: 10/11/23 11:02

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	104		70 - 130	10/18/23 16:49	10/19/23 23:50	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-14578-24

Date Collected: 10/11/23 09:05

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 20:08	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 20:08	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 20:08	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 20:08	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 20:08	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 20:08	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 20:08	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 20:08	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 20:08	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 20:08	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 20:08	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 20:08	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 20:08	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:08	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 20:08	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 20:08	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 20:08	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:08	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 20:08	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:08	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 20:08	1
2-Butanone	ND		5.00	ug/L			10/23/23 20:08	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 20:08	1
2-Hexanone	ND		5.00	ug/L			10/23/23 20:08	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 20:08	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 20:08	1
Acetone	ND		10.0	ug/L			10/23/23 20:08	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 20:08	1
Benzene	ND		0.500	ug/L			10/23/23 20:08	1
Bromobenzene	ND		0.500	ug/L			10/23/23 20:08	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 20:08	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 20:08	1
Bromoform	ND		0.500	ug/L			10/23/23 20:08	1
Bromomethane	ND		0.500	ug/L			10/23/23 20:08	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 20:08	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 20:08	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 20:08	1
Chloroethane	ND		0.500	ug/L			10/23/23 20:08	1
Chloroform	ND		0.500	ug/L			10/23/23 20:08	1
Chloromethane	ND		0.500	ug/L			10/23/23 20:08	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 20:08	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:08	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 20:08	1
Dibromomethane	ND		0.500	ug/L			10/23/23 20:08	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 20:08	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 20:08	1
Ethyl ether	ND		0.500	ug/L			10/23/23 20:08	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 20:08	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 20:08	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-14578-24

Date Collected: 10/11/23 09:05

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 20:08	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 20:08	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 20:08	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 20:08	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 20:08	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 20:08	1
Naphthalene	ND		0.500	ug/L			10/23/23 20:08	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 20:08	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 20:08	1
o-Xylene	ND		0.500	ug/L			10/23/23 20:08	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 20:08	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 20:08	1
Styrene	ND		0.500	ug/L			10/23/23 20:08	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 20:08	1
t-Butyl alcohol	ND	*+	25.0	ug/L			10/23/23 20:08	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 20:08	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 20:08	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 20:08	1
Toluene	ND		0.500	ug/L			10/23/23 20:08	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 20:08	1
Trichloroethene	ND		0.500	ug/L			10/23/23 20:08	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 20:08	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 20:08	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	109		80 - 120		10/23/23 20:08	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 20:08	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		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluoroheptanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorooctanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorononanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorodecanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorotridecanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorotetradecanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorobutanesulfonic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorohexanesulfonic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorooctanesulfonic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
NEtFOSAA	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
NMeFOSAA	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluoroundecanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1
Perfluorododecanoic acid	ND		1.64	ng/L		10/18/23 16:49	10/20/23 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	123		70 - 130	10/18/23 16:49	10/20/23 00:02	1
13C2 PFHxA	126		70 - 130	10/18/23 16:49	10/20/23 00:02	1
13C3 HFPO-DA	115		70 - 130	10/18/23 16:49	10/20/23 00:02	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 490 North Rd

Lab Sample ID: 620-14578-24

Date Collected: 10/11/23 09:05

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	110		70 - 130	10/18/23 16:49	10/20/23 00:02	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 206 Forest's Edge

Lab Sample ID: 620-14578-25

Date Collected: 10/11/23 14:26

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:14	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 19:14	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 19:14	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 19:14	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 19:14	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 19:14	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 19:14	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:14	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 19:14	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:14	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:14	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 19:14	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 19:14	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:14	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 19:14	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:14	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:14	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:14	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 19:14	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:14	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:14	1
2-Butanone	ND		5.00	ug/L			10/23/23 19:14	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:14	1
2-Hexanone	ND		5.00	ug/L			10/23/23 19:14	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:14	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 19:14	1
Acetone	ND		10.0	ug/L			10/23/23 19:14	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 19:14	1
Benzene	ND		0.500	ug/L			10/23/23 19:14	1
Bromobenzene	ND		0.500	ug/L			10/23/23 19:14	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 19:14	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 19:14	1
Bromoform	ND		0.500	ug/L			10/23/23 19:14	1
Bromomethane	ND		0.500	ug/L			10/23/23 19:14	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 19:14	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 19:14	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 19:14	1
Chloroethane	ND		0.500	ug/L			10/23/23 19:14	1
Chloroform	ND		0.500	ug/L			10/23/23 19:14	1
Chloromethane	ND		0.500	ug/L			10/23/23 19:14	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:14	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:14	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 19:14	1
Dibromomethane	ND		0.500	ug/L			10/23/23 19:14	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 19:14	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 19:14	1
Ethyl ether	ND		0.500	ug/L			10/23/23 19:14	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 19:14	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 19:14	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 206 Forest's Edge

Lab Sample ID: 620-14578-25

Date Collected: 10/11/23 14:26

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:14	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 19:14	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 19:14	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 19:14	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 19:14	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 19:14	1
Naphthalene	ND		0.500	ug/L			10/23/23 19:14	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 19:14	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 19:14	1
o-Xylene	ND		0.500	ug/L			10/23/23 19:14	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 19:14	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 19:14	1
Styrene	ND		0.500	ug/L			10/23/23 19:14	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 19:14	1
t-Butyl alcohol	ND		25.0	ug/L			10/23/23 19:14	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 19:14	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 19:14	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 19:14	1
Toluene	ND		0.500	ug/L			10/23/23 19:14	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:14	1
Trichloroethene	ND		0.500	ug/L			10/23/23 19:14	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 19:14	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 19:14	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120		10/23/23 19:14	1
4-Bromofluorobenzene (Surr)	92		80 - 120		10/23/23 19:14	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		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluoroheptanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorooctanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorononanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorodecanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorotridecanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorotetradecanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorobutanesulfonic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorohexanesulfonic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorooctanesulfonic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
NEtFOSAA	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
NMeFOSAA	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluoroundecanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1
Perfluorododecanoic acid	ND		1.77	ng/L		10/18/23 16:49	10/20/23 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	112		70 - 130	10/18/23 16:49	10/20/23 00:13	1
13C2 PFHxA	126		70 - 130	10/18/23 16:49	10/20/23 00:13	1
13C3 HFPO-DA	119		70 - 130	10/18/23 16:49	10/20/23 00:13	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 206 Forest's Edge

Lab Sample ID: 620-14578-25

Date Collected: 10/11/23 14:26

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	112		70 - 130	10/18/23 16:49	10/20/23 00:13	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 714 Beecher Hill Rd

Lab Sample ID: 620-14578-26

Date Collected: 10/11/23 12:04

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:38	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 19:38	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 19:38	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 19:38	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 19:38	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 19:38	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 19:38	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:38	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 19:38	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 19:38	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:38	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 19:38	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 19:38	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:38	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 19:38	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:38	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 19:38	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:38	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 19:38	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 19:38	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 19:38	1
2-Butanone	ND		5.00	ug/L			10/23/23 19:38	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:38	1
2-Hexanone	ND		5.00	ug/L			10/23/23 19:38	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 19:38	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 19:38	1
Acetone	ND		10.0	ug/L			10/23/23 19:38	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 19:38	1
Benzene	ND		0.500	ug/L			10/23/23 19:38	1
Bromobenzene	ND		0.500	ug/L			10/23/23 19:38	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 19:38	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 19:38	1
Bromoform	ND		0.500	ug/L			10/23/23 19:38	1
Bromomethane	ND		0.500	ug/L			10/23/23 19:38	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 19:38	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 19:38	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 19:38	1
Chloroethane	ND		0.500	ug/L			10/23/23 19:38	1
Chloroform	ND		0.500	ug/L			10/23/23 19:38	1
Chloromethane	ND		0.500	ug/L			10/23/23 19:38	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:38	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:38	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 19:38	1
Dibromomethane	ND		0.500	ug/L			10/23/23 19:38	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 19:38	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 19:38	1
Ethyl ether	ND		0.500	ug/L			10/23/23 19:38	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 19:38	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 19:38	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 714 Beecher Hill Rd

Lab Sample ID: 620-14578-26

Date Collected: 10/11/23 12:04

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 19:38	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 19:38	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 19:38	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 19:38	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 19:38	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 19:38	1
Naphthalene	ND		0.500	ug/L			10/23/23 19:38	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 19:38	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 19:38	1
o-Xylene	ND		0.500	ug/L			10/23/23 19:38	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 19:38	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 19:38	1
Styrene	ND		0.500	ug/L			10/23/23 19:38	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 19:38	1
t-Butyl alcohol	ND		25.0	ug/L			10/23/23 19:38	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 19:38	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 19:38	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 19:38	1
Toluene	ND		0.500	ug/L			10/23/23 19:38	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 19:38	1
Trichloroethene	ND		0.500	ug/L			10/23/23 19:38	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 19:38	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 19:38	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120		10/23/23 19:38	1
4-Bromofluorobenzene (Surr)	94		80 - 120		10/23/23 19:38	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		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluoroheptanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorooctanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorononanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorodecanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorotridecanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorotetradecanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorobutanesulfonic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorohexanesulfonic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorooctanesulfonic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
NEtFOSAA	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
NMeFOSAA	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluoroundecanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1
Perfluorododecanoic acid	ND		1.61	ng/L		10/18/23 16:49	10/20/23 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	108		70 - 130	10/18/23 16:49	10/20/23 00:25	1
13C2 PFHxA	124		70 - 130	10/18/23 16:49	10/20/23 00:25	1
13C3 HFPO-DA	117		70 - 130	10/18/23 16:49	10/20/23 00:25	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 714 Beecher Hill Rd

Lab Sample ID: 620-14578-26

Date Collected: 10/11/23 12:04

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	99		70 - 130	10/18/23 16:49	10/20/23 00:25	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 455 North Rd

Lab Sample ID: 620-14578-27

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 20:02	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 20:02	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 20:02	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 20:02	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 20:02	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 20:02	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 20:02	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 20:02	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 20:02	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 20:02	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 20:02	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 20:02	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 20:02	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:02	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 20:02	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 20:02	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 20:02	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:02	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 20:02	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:02	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 20:02	1
2-Butanone	ND		5.00	ug/L			10/23/23 20:02	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 20:02	1
2-Hexanone	ND		5.00	ug/L			10/23/23 20:02	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 20:02	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 20:02	1
Acetone	ND		10.0	ug/L			10/23/23 20:02	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 20:02	1
Benzene	ND		0.500	ug/L			10/23/23 20:02	1
Bromobenzene	ND		0.500	ug/L			10/23/23 20:02	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 20:02	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 20:02	1
Bromoform	ND		0.500	ug/L			10/23/23 20:02	1
Bromomethane	ND		0.500	ug/L			10/23/23 20:02	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 20:02	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 20:02	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 20:02	1
Chloroethane	ND		0.500	ug/L			10/23/23 20:02	1
Chloroform	ND		0.500	ug/L			10/23/23 20:02	1
Chloromethane	ND		0.500	ug/L			10/23/23 20:02	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 20:02	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:02	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 20:02	1
Dibromomethane	ND		0.500	ug/L			10/23/23 20:02	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 20:02	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 20:02	1
Ethyl ether	ND		0.500	ug/L			10/23/23 20:02	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 20:02	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 20:02	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 455 North Rd

Lab Sample ID: 620-14578-27

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 20:02	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 20:02	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 20:02	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 20:02	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 20:02	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 20:02	1
Naphthalene	ND		0.500	ug/L			10/23/23 20:02	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 20:02	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 20:02	1
o-Xylene	ND		0.500	ug/L			10/23/23 20:02	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 20:02	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 20:02	1
Styrene	ND		0.500	ug/L			10/23/23 20:02	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 20:02	1
t-Butyl alcohol	ND		25.0	ug/L			10/23/23 20:02	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 20:02	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 20:02	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 20:02	1
Toluene	ND		0.500	ug/L			10/23/23 20:02	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 20:02	1
Trichloroethene	ND		0.500	ug/L			10/23/23 20:02	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 20:02	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 20:02	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	105		80 - 120		10/23/23 20:02	1
4-Bromofluorobenzene (Surr)	94		80 - 120		10/23/23 20:02	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		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluoroheptanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorooctanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorononanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorodecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorotridecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorobutanesulfonic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorohexanesulfonic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorooctanesulfonic acid	3.44		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
NEtFOSAA	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
NMeFOSAA	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluoroundecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1
Perfluorododecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	121		70 - 130	10/18/23 16:49	10/24/23 15:16	1
13C2 PFHxA	130		70 - 130	10/18/23 16:49	10/24/23 15:16	1
13C3 HFPO-DA	128		70 - 130	10/18/23 16:49	10/24/23 15:16	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 455 North Rd

Lab Sample ID: 620-14578-27

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	96		70 - 130	10/18/23 16:49	10/24/23 15:16	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 455 North Rd-FD

Lab Sample ID: 620-14578-28

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 20:26	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 20:26	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 20:26	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 20:26	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 20:26	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 20:26	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 20:26	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 20:26	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 20:26	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 20:26	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 20:26	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 20:26	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 20:26	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:26	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 20:26	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 20:26	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 20:26	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:26	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 20:26	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 20:26	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 20:26	1
2-Butanone	ND		5.00	ug/L			10/23/23 20:26	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 20:26	1
2-Hexanone	ND		5.00	ug/L			10/23/23 20:26	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 20:26	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 20:26	1
Acetone	ND		10.0	ug/L			10/23/23 20:26	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 20:26	1
Benzene	ND		0.500	ug/L			10/23/23 20:26	1
Bromobenzene	ND		0.500	ug/L			10/23/23 20:26	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 20:26	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 20:26	1
Bromoform	ND		0.500	ug/L			10/23/23 20:26	1
Bromomethane	ND		0.500	ug/L			10/23/23 20:26	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 20:26	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 20:26	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 20:26	1
Chloroethane	ND		0.500	ug/L			10/23/23 20:26	1
Chloroform	ND		0.500	ug/L			10/23/23 20:26	1
Chloromethane	ND		0.500	ug/L			10/23/23 20:26	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 20:26	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:26	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 20:26	1
Dibromomethane	ND		0.500	ug/L			10/23/23 20:26	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 20:26	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 20:26	1
Ethyl ether	ND		0.500	ug/L			10/23/23 20:26	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 20:26	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 20:26	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 455 North Rd-FD

Lab Sample ID: 620-14578-28

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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			10/23/23 20:26	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 20:26	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 20:26	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 20:26	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 20:26	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 20:26	1
Naphthalene	ND		0.500	ug/L			10/23/23 20:26	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 20:26	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 20:26	1
o-Xylene	ND		0.500	ug/L			10/23/23 20:26	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 20:26	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 20:26	1
Styrene	ND		0.500	ug/L			10/23/23 20:26	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 20:26	1
t-Butyl alcohol	ND		25.0	ug/L			10/23/23 20:26	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 20:26	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 20:26	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 20:26	1
Toluene	ND		0.500	ug/L			10/23/23 20:26	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 20:26	1
Trichloroethene	ND		0.500	ug/L			10/23/23 20:26	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 20:26	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 20:26	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120		10/23/23 20:26	1
4-Bromofluorobenzene (Surr)	95		80 - 120		10/23/23 20:26	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		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluoroheptanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorooctanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorononanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorodecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorotridecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorobutanesulfonic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorohexanesulfonic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorooctanesulfonic acid	3.32		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
NEtFOSAA	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
NMeFOSAA	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluoroundecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1
Perfluorododecanoic acid	ND		1.62	ng/L		10/18/23 16:49	10/24/23 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	111		70 - 130	10/18/23 16:49	10/24/23 15:28	1
13C2 PFHxA	122		70 - 130	10/18/23 16:49	10/24/23 15:28	1
13C3 HFPO-DA	123		70 - 130	10/18/23 16:49	10/24/23 15:28	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: 455 North Rd-FD

Lab Sample ID: 620-14578-28

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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	112		70 - 130	10/18/23 16:49	10/24/23 15:28	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4D

Lab Sample ID: 620-14578-29

Date Collected: 10/11/23 14:35

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 21:19	1
Acetone	ND		10.0	ug/L			10/24/23 21:19	1
Acrylonitrile	ND		0.500	ug/L			10/24/23 21:19	1
Benzene	ND		1.00	ug/L			10/24/23 21:19	1
Bromobenzene	ND		1.00	ug/L			10/24/23 21:19	1
Bromochloromethane	ND		1.00	ug/L			10/24/23 21:19	1
Bromodichloromethane	ND		0.500	ug/L			10/24/23 21:19	1
Bromoform	ND	*-	1.00	ug/L			10/24/23 21:19	1
Bromomethane	ND		2.00	ug/L			10/24/23 21:19	1
2-Butanone (MEK)	ND		2.00	ug/L			10/24/23 21:19	1
n-Butylbenzene	ND		1.00	ug/L			10/24/23 21:19	1
sec-Butylbenzene	ND		1.00	ug/L			10/24/23 21:19	1
tert-Butylbenzene	ND		1.00	ug/L			10/24/23 21:19	1
Carbon disulfide	ND		2.00	ug/L			10/24/23 21:19	1
Carbon tetrachloride	ND		1.00	ug/L			10/24/23 21:19	1
Chlorobenzene	ND		1.00	ug/L			10/24/23 21:19	1
Chloroethane	ND		2.00	ug/L			10/24/23 21:19	1
Chloroform	ND		1.00	ug/L			10/24/23 21:19	1
Chloromethane	ND		2.00	ug/L			10/24/23 21:19	1
2-Chlorotoluene	ND		1.00	ug/L			10/24/23 21:19	1
4-Chlorotoluene	ND		1.00	ug/L			10/24/23 21:19	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/24/23 21:19	1
Dibromochloromethane	ND		0.500	ug/L			10/24/23 21:19	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/24/23 21:19	1
Dibromomethane	ND		1.00	ug/L			10/24/23 21:19	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/24/23 21:19	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/24/23 21:19	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/24/23 21:19	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/24/23 21:19	1
1,1-Dichloroethane	ND		1.00	ug/L			10/24/23 21:19	1
1,2-Dichloroethane	ND		1.00	ug/L			10/24/23 21:19	1
1,1-Dichloroethene	ND		1.00	ug/L			10/24/23 21:19	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 21:19	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 21:19	1
1,2-Dichloropropane	ND		1.00	ug/L			10/24/23 21:19	1
1,3-Dichloropropane	ND		1.00	ug/L			10/24/23 21:19	1
2,2-Dichloropropane	ND		1.00	ug/L			10/24/23 21:19	1
1,1-Dichloropropene	ND		1.00	ug/L			10/24/23 21:19	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 21:19	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 21:19	1
Ethylbenzene	ND		1.00	ug/L			10/24/23 21:19	1
Hexachlorobutadiene	ND		1.00	ug/L			10/24/23 21:19	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/24/23 21:19	1
Isopropylbenzene	ND		1.00	ug/L			10/24/23 21:19	1
4-Isopropyltoluene	ND		1.00	ug/L			10/24/23 21:19	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/24/23 21:19	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/24/23 21:19	1
Methylene Chloride	ND		2.00	ug/L			10/24/23 21:19	1
Naphthalene	ND		2.00	ug/L			10/24/23 21:19	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4D

Lab Sample ID: 620-14578-29

Date Collected: 10/11/23 14:35

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 21:19	1
Styrene	ND		1.00	ug/L			10/24/23 21:19	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/24/23 21:19	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/24/23 21:19	1
Tetrachloroethene	ND		1.00	ug/L			10/24/23 21:19	1
Toluene	ND		1.00	ug/L			10/24/23 21:19	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/24/23 21:19	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/24/23 21:19	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/24/23 21:19	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/24/23 21:19	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/24/23 21:19	1
Trichloroethene	ND		1.00	ug/L			10/24/23 21:19	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/24/23 21:19	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/24/23 21:19	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/24/23 21:19	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/24/23 21:19	1
Vinyl chloride	ND	*+	1.00	ug/L			10/24/23 21:19	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/24/23 21:19	1
o-Xylene	ND		1.00	ug/L			10/24/23 21:19	1
Tetrahydrofuran	ND		2.00	ug/L			10/24/23 21:19	1
Ethyl ether	ND		1.00	ug/L			10/24/23 21:19	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/24/23 21:19	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/24/23 21:19	1
di-Isopropyl ether	ND		1.00	ug/L			10/24/23 21:19	1
tert-Butanol	ND		10.0	ug/L			10/24/23 21:19	1
1,4-Dioxane	ND		50.0	ug/L			10/24/23 21:19	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/24/23 21:19	1
Ethanol	ND		200	ug/L			10/24/23 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		10/24/23 21:19	1
Toluene-d8 (Surr)	99		70 - 130		10/24/23 21:19	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		10/24/23 21:19	1
Dibromofluoromethane (Surr)	100		70 - 130		10/24/23 21:19	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			11/08/23 06:10	5

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
NMeFOSAA	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorobutanesulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorobutanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorodecanesulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorodecanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorododecanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluoroheptanesulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluoroheptanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4D

Lab Sample ID: 620-14578-29

Date Collected: 10/11/23 14:35

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorohexanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorononanesulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorononanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorooctanesulfonamide	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorooctanesulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorooctanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluoropentanesulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluoropentanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorotetradecanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluorotridecanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Perfluoroundecanoic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
6:2 Fluorotelomer sulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
8:2 Fluorotelomer sulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
4:2 Fluorotelomer sulfonic acid	ND		1.81	ng/L		10/21/23 08:00	10/26/23 02:58	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	205	*5+	35 - 200			10/21/23 08:00	10/26/23 02:58	1
M2-6:2 FTS	88		40 - 200			10/21/23 08:00	10/26/23 02:58	1
M2-8:2 FTS	91		37 - 200			10/21/23 08:00	10/26/23 02:58	1
13C2 PFTeDA	78		10 - 171			10/21/23 08:00	10/26/23 02:58	1
13C3 PFBS	115		34 - 200			10/21/23 08:00	10/26/23 02:58	1
13C4 PFBA	32		22 - 174			10/21/23 08:00	10/26/23 02:58	1
13C4 PFHpA	89		40 - 165			10/21/23 08:00	10/26/23 02:58	1
13C5 PFPeA	110		33 - 196			10/21/23 08:00	10/26/23 02:58	1
13C8 PFOA	86		52 - 153			10/21/23 08:00	10/26/23 02:58	1
13C8 PFOS	86		59 - 155			10/21/23 08:00	10/26/23 02:58	1
d3-NMeFOSAA	98		38 - 168			10/21/23 08:00	10/26/23 02:58	1
d5-NEtFOSAA	95		34 - 181			10/21/23 08:00	10/26/23 02:58	1
13C3 PFHxS	97		48 - 169			10/21/23 08:00	10/26/23 02:58	1
13C5 PFHxA	92		28 - 166			10/21/23 08:00	10/26/23 02:58	1
13C6 PFDA	82		53 - 151			10/21/23 08:00	10/26/23 02:58	1
13C7 PFUnA	77		41 - 163			10/21/23 08:00	10/26/23 02:58	1
13C8 FOSA	84		10 - 155			10/21/23 08:00	10/26/23 02:58	1
13C2-PFDoDA	75		22 - 165			10/21/23 08:00	10/26/23 02:58	1
13C9 PFNA	82		52 - 168			10/21/23 08:00	10/26/23 02:58	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		10/13/23 16:10	10/15/23 11:24	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:10	10/15/23 11:24	1
Chromium	ND		0.0100	mg/L		10/13/23 16:10	10/15/23 11:24	1
Copper	ND		0.0100	mg/L		10/13/23 16:10	10/15/23 11:24	1
Iron	1.08		0.100	mg/L		10/13/23 16:10	10/15/23 11:24	1
Lead	ND		0.0150	mg/L		10/13/23 16:10	10/15/23 11:24	1
Manganese	0.0921		0.0100	mg/L		10/13/23 16:10	10/15/23 11:24	1
Nickel	ND		0.0100	mg/L		10/13/23 16:10	10/15/23 11:24	1
Sodium	8.44		1.50	mg/L		10/13/23 16:10	10/15/23 11:24	1
Zinc	ND		0.0500	mg/L		10/13/23 16:10	10/15/23 11:24	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4D

Lab Sample ID: 620-14578-29

Date Collected: 10/11/23 14:35

Matrix: Water

Date Received: 10/13/23 11:37

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/26/23 12:22	10/26/23 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 08:59	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4S

Lab Sample ID: 620-14578-30

Date Collected: 10/11/23 14:45

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 21:45	1
Acetone	ND		10.0	ug/L			10/24/23 21:45	1
Acrylonitrile	ND		0.500	ug/L			10/24/23 21:45	1
Benzene	3.25		1.00	ug/L			10/24/23 21:45	1
Bromobenzene	ND		1.00	ug/L			10/24/23 21:45	1
Bromochloromethane	ND		1.00	ug/L			10/24/23 21:45	1
Bromodichloromethane	ND		0.500	ug/L			10/24/23 21:45	1
Bromoform	ND	*	1.00	ug/L			10/24/23 21:45	1
Bromomethane	ND		2.00	ug/L			10/24/23 21:45	1
2-Butanone (MEK)	ND		2.00	ug/L			10/24/23 21:45	1
n-Butylbenzene	ND		1.00	ug/L			10/24/23 21:45	1
sec-Butylbenzene	ND		1.00	ug/L			10/24/23 21:45	1
tert-Butylbenzene	ND		1.00	ug/L			10/24/23 21:45	1
Carbon disulfide	ND		2.00	ug/L			10/24/23 21:45	1
Carbon tetrachloride	ND		1.00	ug/L			10/24/23 21:45	1
Chlorobenzene	3.26		1.00	ug/L			10/24/23 21:45	1
Chloroethane	ND		2.00	ug/L			10/24/23 21:45	1
Chloroform	ND		1.00	ug/L			10/24/23 21:45	1
Chloromethane	ND		2.00	ug/L			10/24/23 21:45	1
2-Chlorotoluene	ND		1.00	ug/L			10/24/23 21:45	1
4-Chlorotoluene	ND		1.00	ug/L			10/24/23 21:45	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/24/23 21:45	1
Dibromochloromethane	ND		0.500	ug/L			10/24/23 21:45	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/24/23 21:45	1
Dibromomethane	ND		1.00	ug/L			10/24/23 21:45	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/24/23 21:45	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/24/23 21:45	1
1,4-Dichlorobenzene	2.14		1.00	ug/L			10/24/23 21:45	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/24/23 21:45	1
1,1-Dichloroethane	ND		1.00	ug/L			10/24/23 21:45	1
1,2-Dichloroethane	ND		1.00	ug/L			10/24/23 21:45	1
1,1-Dichloroethene	ND		1.00	ug/L			10/24/23 21:45	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 21:45	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 21:45	1
1,2-Dichloropropane	ND		1.00	ug/L			10/24/23 21:45	1
1,3-Dichloropropane	ND		1.00	ug/L			10/24/23 21:45	1
2,2-Dichloropropane	ND		1.00	ug/L			10/24/23 21:45	1
1,1-Dichloropropene	ND		1.00	ug/L			10/24/23 21:45	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 21:45	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 21:45	1
Ethylbenzene	ND		1.00	ug/L			10/24/23 21:45	1
Hexachlorobutadiene	ND		1.00	ug/L			10/24/23 21:45	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/24/23 21:45	1
Isopropylbenzene	ND		1.00	ug/L			10/24/23 21:45	1
4-Isopropyltoluene	ND		1.00	ug/L			10/24/23 21:45	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/24/23 21:45	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/24/23 21:45	1
Methylene Chloride	ND		2.00	ug/L			10/24/23 21:45	1
Naphthalene	ND		2.00	ug/L			10/24/23 21:45	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4S

Lab Sample ID: 620-14578-30

Date Collected: 10/11/23 14:45

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 21:45	1
Styrene	ND		1.00	ug/L			10/24/23 21:45	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/24/23 21:45	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/24/23 21:45	1
Tetrachloroethene	ND		1.00	ug/L			10/24/23 21:45	1
Toluene	ND		1.00	ug/L			10/24/23 21:45	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/24/23 21:45	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/24/23 21:45	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/24/23 21:45	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/24/23 21:45	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/24/23 21:45	1
Trichloroethene	ND		1.00	ug/L			10/24/23 21:45	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/24/23 21:45	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/24/23 21:45	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/24/23 21:45	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/24/23 21:45	1
Vinyl chloride	ND	+	1.00	ug/L			10/24/23 21:45	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/24/23 21:45	1
o-Xylene	ND		1.00	ug/L			10/24/23 21:45	1
Tetrahydrofuran	9.74		2.00	ug/L			10/24/23 21:45	1
Ethyl ether	11.0		1.00	ug/L			10/24/23 21:45	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/24/23 21:45	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/24/23 21:45	1
di-Isopropyl ether	ND		1.00	ug/L			10/24/23 21:45	1
tert-Butanol	ND		10.0	ug/L			10/24/23 21:45	1
1,4-Dioxane	ND		50.0	ug/L			10/24/23 21:45	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/24/23 21:45	1
Ethanol	ND		200	ug/L			10/24/23 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		10/24/23 21:45	1
Toluene-d8 (Surr)	99		70 - 130		10/24/23 21:45	1
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		10/24/23 21:45	1
Dibromofluoromethane (Surr)	99		70 - 130		10/24/23 21:45	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		7.50	mg/L			11/08/23 07:00	5

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
NMeFOSAA	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorobutanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorobutanoic acid	7.13		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorodecanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorodecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorododecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluoroheptanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluoroheptanoic acid	12.2		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4S

Lab Sample ID: 620-14578-30

Date Collected: 10/11/23 14:45

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	7.57		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorohexanoic acid	18.4		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorononanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorononanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorooctanesulfonamide	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorooctanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorooctanoic acid	54.5		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluoropentanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluoropentanoic acid	5.82		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorotetradecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluorotridecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Perfluoroundecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
6:2 Fluorotelomer sulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
8:2 Fluorotelomer sulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
4:2 Fluorotelomer sulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/26/23 03:09	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	165		35 - 200			10/21/23 08:00	10/26/23 03:09	1
M2-6:2 FTS	197		40 - 200			10/21/23 08:00	10/26/23 03:09	1
M2-8:2 FTS	157		37 - 200			10/21/23 08:00	10/26/23 03:09	1
13C2 PFTeDA	85		10 - 171			10/21/23 08:00	10/26/23 03:09	1
13C3 PFBS	197		34 - 200			10/21/23 08:00	10/26/23 03:09	1
13C4 PFBA	27		22 - 174			10/21/23 08:00	10/26/23 03:09	1
13C4 PFHpA	82		40 - 165			10/21/23 08:00	10/26/23 03:09	1
13C5 PFPeA	144		33 - 196			10/21/23 08:00	10/26/23 03:09	1
13C8 PFOA	89		52 - 153			10/21/23 08:00	10/26/23 03:09	1
13C8 PFOS	96		59 - 155			10/21/23 08:00	10/26/23 03:09	1
d3-NMeFOSAA	114		38 - 168			10/21/23 08:00	10/26/23 03:09	1
d5-NEtFOSAA	115		34 - 181			10/21/23 08:00	10/26/23 03:09	1
13C3 PFHxS	97		48 - 169			10/21/23 08:00	10/26/23 03:09	1
13C5 PFHxA	71		28 - 166			10/21/23 08:00	10/26/23 03:09	1
13C6 PFDA	97		53 - 151			10/21/23 08:00	10/26/23 03:09	1
13C7 PFUnA	93		41 - 163			10/21/23 08:00	10/26/23 03:09	1
13C8 FOSA	69		10 - 155			10/21/23 08:00	10/26/23 03:09	1
13C2-PFDoDA	92		22 - 165			10/21/23 08:00	10/26/23 03:09	1
13C9 PFNA	89		52 - 168			10/21/23 08:00	10/26/23 03:09	1

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
NMeFOSAA	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorobutanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorobutanoic acid	10.3		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorodecanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorodecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorododecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluoroheptanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluoroheptanoic acid	13.1		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorohexanesulfonic acid	5.07		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorohexanoic acid	18.1		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4S

Lab Sample ID: 620-14578-30

Date Collected: 10/11/23 14:45

Matrix: Water

Date Received: 10/13/23 11:37

Method: EPA 537 IDA - EPA 537 Isotope Dilution - RA (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorononanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorooctanesulfonamide	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorooctanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorooctanoic acid	51.8		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluoropentanesulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluoropentanoic acid	6.15		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorotetradecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluorotridecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
Perfluoroundecanoic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
6:2 Fluorotelomer sulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
8:2 Fluorotelomer sulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1
4:2 Fluorotelomer sulfonic acid	ND		1.84	ng/L		10/21/23 08:00	10/28/23 07:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	211	*5+	35 - 200	10/21/23 08:00	10/28/23 07:58	1
M2-6:2 FTS	242	*5+	40 - 200	10/21/23 08:00	10/28/23 07:58	1
M2-8:2 FTS	177		37 - 200	10/21/23 08:00	10/28/23 07:58	1
13C2 PFTeDA	61		10 - 171	10/21/23 08:00	10/28/23 07:58	1
13C3 PFBS	189		34 - 200	10/21/23 08:00	10/28/23 07:58	1
13C4 PFBA	27		22 - 174	10/21/23 08:00	10/28/23 07:58	1
13C4 PFHpA	81		40 - 165	10/21/23 08:00	10/28/23 07:58	1
13C5 PFPeA	139		33 - 196	10/21/23 08:00	10/28/23 07:58	1
13C8 PFOA	91		52 - 153	10/21/23 08:00	10/28/23 07:58	1
13C8 PFOS	92		59 - 155	10/21/23 08:00	10/28/23 07:58	1
d3-NMeFOSAA	106		38 - 168	10/21/23 08:00	10/28/23 07:58	1
d5-NEtFOSAA	115		34 - 181	10/21/23 08:00	10/28/23 07:58	1
13C3 PFHxS	93		48 - 169	10/21/23 08:00	10/28/23 07:58	1
13C5 PFHxA	70		28 - 166	10/21/23 08:00	10/28/23 07:58	1
13C6 PFDA	97		53 - 151	10/21/23 08:00	10/28/23 07:58	1
13C7 PFUnA	98		41 - 163	10/21/23 08:00	10/28/23 07:58	1
13C8 FOSA	68		10 - 155	10/21/23 08:00	10/28/23 07:58	1
13C2-PFDoDA	89		22 - 165	10/21/23 08:00	10/28/23 07:58	1
13C9 PFNA	90		52 - 168	10/21/23 08:00	10/28/23 07:58	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.184		0.00800	mg/L		10/13/23 16:10	10/15/23 11:30	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:10	10/15/23 11:30	1
Chromium	ND		0.0100	mg/L		10/13/23 16:10	10/15/23 11:30	1
Copper	ND		0.0100	mg/L		10/13/23 16:10	10/15/23 11:30	1
Iron	18.8		0.100	mg/L		10/13/23 16:10	10/15/23 11:30	1
Lead	ND		0.0150	mg/L		10/13/23 16:10	10/15/23 11:30	1
Manganese	0.133		0.0100	mg/L		10/13/23 16:10	10/15/23 11:30	1
Nickel	0.0408		0.0100	mg/L		10/13/23 16:10	10/15/23 11:30	1
Sodium	19.6		1.50	mg/L		10/13/23 16:10	10/15/23 11:30	1
Zinc	ND		0.0500	mg/L		10/13/23 16:10	10/15/23 11:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/26/23 12:22	10/26/23 16:39	1

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Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-4S

Lab Sample ID: 620-14578-30

Date Collected: 10/11/23 14:45

Matrix: Water

Date Received: 10/13/23 11:37

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 09:13	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-1R

Lab Sample ID: 620-14578-31

Date Collected: 10/11/23 16:47

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 22:10	1
Acetone	ND		10.0	ug/L			10/24/23 22:10	1
Acrylonitrile	ND		0.500	ug/L			10/24/23 22:10	1
Benzene	ND		1.00	ug/L			10/24/23 22:10	1
Bromobenzene	ND		1.00	ug/L			10/24/23 22:10	1
Bromochloromethane	ND		1.00	ug/L			10/24/23 22:10	1
Bromodichloromethane	ND		0.500	ug/L			10/24/23 22:10	1
Bromoform	ND	*	1.00	ug/L			10/24/23 22:10	1
Bromomethane	ND		2.00	ug/L			10/24/23 22:10	1
2-Butanone (MEK)	ND		2.00	ug/L			10/24/23 22:10	1
n-Butylbenzene	ND		1.00	ug/L			10/24/23 22:10	1
sec-Butylbenzene	ND		1.00	ug/L			10/24/23 22:10	1
tert-Butylbenzene	ND		1.00	ug/L			10/24/23 22:10	1
Carbon disulfide	ND		2.00	ug/L			10/24/23 22:10	1
Carbon tetrachloride	ND		1.00	ug/L			10/24/23 22:10	1
Chlorobenzene	ND		1.00	ug/L			10/24/23 22:10	1
Chloroethane	ND		2.00	ug/L			10/24/23 22:10	1
Chloroform	ND		1.00	ug/L			10/24/23 22:10	1
Chloromethane	ND		2.00	ug/L			10/24/23 22:10	1
2-Chlorotoluene	ND		1.00	ug/L			10/24/23 22:10	1
4-Chlorotoluene	ND		1.00	ug/L			10/24/23 22:10	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/24/23 22:10	1
Dibromochloromethane	ND		0.500	ug/L			10/24/23 22:10	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/24/23 22:10	1
Dibromomethane	ND		1.00	ug/L			10/24/23 22:10	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/24/23 22:10	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/24/23 22:10	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/24/23 22:10	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/24/23 22:10	1
1,1-Dichloroethane	ND		1.00	ug/L			10/24/23 22:10	1
1,2-Dichloroethane	ND		1.00	ug/L			10/24/23 22:10	1
1,1-Dichloroethene	ND		1.00	ug/L			10/24/23 22:10	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 22:10	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/24/23 22:10	1
1,2-Dichloropropane	ND		1.00	ug/L			10/24/23 22:10	1
1,3-Dichloropropane	ND		1.00	ug/L			10/24/23 22:10	1
2,2-Dichloropropane	ND		1.00	ug/L			10/24/23 22:10	1
1,1-Dichloropropene	ND		1.00	ug/L			10/24/23 22:10	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 22:10	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/24/23 22:10	1
Ethylbenzene	ND		1.00	ug/L			10/24/23 22:10	1
Hexachlorobutadiene	ND		1.00	ug/L			10/24/23 22:10	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/24/23 22:10	1
Isopropylbenzene	ND		1.00	ug/L			10/24/23 22:10	1
4-Isopropyltoluene	ND		1.00	ug/L			10/24/23 22:10	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/24/23 22:10	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/24/23 22:10	1
Methylene Chloride	ND		2.00	ug/L			10/24/23 22:10	1
Naphthalene	ND		2.00	ug/L			10/24/23 22:10	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-1R

Lab Sample ID: 620-14578-31

Date Collected: 10/11/23 16:47

Matrix: Water

Date Received: 10/13/23 11:37

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			10/24/23 22:10	1
Styrene	ND		1.00	ug/L			10/24/23 22:10	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/24/23 22:10	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/24/23 22:10	1
Tetrachloroethene	ND		1.00	ug/L			10/24/23 22:10	1
Toluene	ND		1.00	ug/L			10/24/23 22:10	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/24/23 22:10	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/24/23 22:10	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/24/23 22:10	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/24/23 22:10	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/24/23 22:10	1
Trichloroethene	ND		1.00	ug/L			10/24/23 22:10	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/24/23 22:10	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/24/23 22:10	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/24/23 22:10	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/24/23 22:10	1
Vinyl chloride	ND	+	1.00	ug/L			10/24/23 22:10	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/24/23 22:10	1
o-Xylene	ND		1.00	ug/L			10/24/23 22:10	1
Tetrahydrofuran	ND		2.00	ug/L			10/24/23 22:10	1
Ethyl ether	ND		1.00	ug/L			10/24/23 22:10	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/24/23 22:10	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/24/23 22:10	1
di-Isopropyl ether	ND		1.00	ug/L			10/24/23 22:10	1
tert-Butanol	ND		10.0	ug/L			10/24/23 22:10	1
1,4-Dioxane	ND		50.0	ug/L			10/24/23 22:10	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/24/23 22:10	1
Ethanol	ND		200	ug/L			10/24/23 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		10/24/23 22:10	1
Toluene-d8 (Surr)	99		70 - 130		10/24/23 22:10	1
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		10/24/23 22:10	1
Dibromofluoromethane (Surr)	100		70 - 130		10/24/23 22:10	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			11/08/23 07:16	5

Method: EPA 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
NMeFOSAA	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorobutanesulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorobutanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorodecanesulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorodecanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorododecanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluoroheptanesulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluoroheptanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1

Eurofins New England

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-1R
Date Collected: 10/11/23 16:47
Date Received: 10/13/23 11:37

Lab Sample ID: 620-14578-31
Matrix: Water

Method: EPA 537 IDA - EPA 537 Isotope Dilution (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorohexanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorononanesulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorononanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorooctanesulfonamide	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorooctanesulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorooctanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluoropentanesulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluoropentanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorotetradecanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluorotridecanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
Perfluoroundecanoic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
6:2 Fluorotelomer sulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
8:2 Fluorotelomer sulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1
4:2 Fluorotelomer sulfonic acid	ND		1.95	ng/L		10/31/23 08:28	11/03/23 22:08	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	219	*5+	35 - 200	10/31/23 08:28	11/03/23 22:08	1
M2-6:2 FTS	115		40 - 200	10/31/23 08:28	11/03/23 22:08	1
M2-8:2 FTS	118		37 - 200	10/31/23 08:28	11/03/23 22:08	1
13C2 PFTeDA	81		10 - 171	10/31/23 08:28	11/03/23 22:08	1
13C3 PFBS	105		34 - 200	10/31/23 08:28	11/03/23 22:08	1
13C4 PFBA	105		22 - 174	10/31/23 08:28	11/03/23 22:08	1
13C4 PFHpA	107		40 - 165	10/31/23 08:28	11/03/23 22:08	1
13C5 PFPeA	102		33 - 196	10/31/23 08:28	11/03/23 22:08	1
13C8 PFOA	107		52 - 153	10/31/23 08:28	11/03/23 22:08	1
13C8 PFOS	94		59 - 155	10/31/23 08:28	11/03/23 22:08	1
d3-NMeFOSAA	102		38 - 168	10/31/23 08:28	11/03/23 22:08	1
d5-NEtFOSAA	111		34 - 181	10/31/23 08:28	11/03/23 22:08	1
13C3 PFHxS	108		48 - 169	10/31/23 08:28	11/03/23 22:08	1
13C5 PFHxA	112		28 - 166	10/31/23 08:28	11/03/23 22:08	1
13C6 PFDA	88		53 - 151	10/31/23 08:28	11/03/23 22:08	1
13C7 PFUnA	89		41 - 163	10/31/23 08:28	11/03/23 22:08	1
13C8 FOSA	80		10 - 155	10/31/23 08:28	11/03/23 22:08	1
13C2-PFDoDA	84		22 - 165	10/31/23 08:28	11/03/23 22:08	1
13C9 PFNA	99		52 - 168	10/31/23 08:28	11/03/23 22:08	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		10/13/23 15:16	10/15/23 15:13	1
Cadmium	ND		0.00500	mg/L		10/13/23 15:16	10/15/23 15:13	1
Chromium	ND		0.0100	mg/L		10/13/23 15:16	10/15/23 15:13	1
Copper	ND		0.0100	mg/L		10/13/23 15:16	10/15/23 15:13	1
Iron	0.104		0.100	mg/L		10/13/23 15:16	10/15/23 15:13	1
Lead	ND		0.0150	mg/L		10/13/23 15:16	10/15/23 15:13	1
Manganese	0.0170		0.0100	mg/L		10/13/23 15:16	10/15/23 15:13	1
Nickel	ND		0.0100	mg/L		10/13/23 15:16	10/15/23 15:13	1
Sodium	2.63		1.50	mg/L		10/13/23 15:16	10/15/23 15:13	1
Zinc	ND		0.0500	mg/L		10/13/23 15:16	10/15/23 15:13	1

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: MW-1R

Lab Sample ID: 620-14578-31

Date Collected: 10/11/23 16:47

Matrix: Water

Date Received: 10/13/23 11:37

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		10/26/23 12:22	10/26/23 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	ND		75.0	mg/L			10/20/23 09:03	1

- 1
- 2
- 3
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- 14
- 15
- 16

Client Sample Results

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

Job ID: 620-14578-1

Client Sample ID: FRB101123

Lab Sample ID: 620-14578-32

Date Collected: 10/11/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

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		10/25/23 11:17	10/27/23 00:59	1
Perfluoroheptanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorooctanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorononanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorodecanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorotridecanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorotetradecanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorobutanesulfonic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorohexanesulfonic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorooctanesulfonic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
NEtFOSAA	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
NMeFOSAA	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluoroundecanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Perfluorododecanoic acid	ND		1.72	ng/L		10/25/23 11:17	10/27/23 00:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	120		70 - 130			10/25/23 11:17	10/27/23 00:59	1
13C2 PFHxA	118		70 - 130			10/25/23 11:17	10/27/23 00:59	1
13C3 HFPO-DA	109		70 - 130			10/25/23 11:17	10/27/23 00:59	1
d5-NEtFOSAA	103		70 - 130			10/25/23 11:17	10/27/23 00:59	1

Surrogate Summary

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

Job ID: 620-14578-1

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)
620-14578-1	TB101023	109	101
620-14578-4	152 Forest Edge Rd-INF	109	101
620-14578-5	152 Forest Edge Rd-MID	111	103
620-14578-6	152 Forest Edge Rd-EFF	110	102
620-14578-11	907 Beecher Hill Rd-INF	110	102
620-14578-12	907 Beecher Hill Rd-MID	110	102
620-14578-13	907 Beecher Hill Rd-EFF	109	100
620-14578-14	56 Forest Edge-INF	110	101
620-14578-15	56 Forest Edge-MID	109	101
620-14578-16	56 Forest Edge-EFF	111	100
620-14578-17	685 Beecher Hill Rd-INF	108	100
620-14578-18	685 Beecher Hill Rd-MID	111	101
620-14578-19	685 Beecher Hill Rd-EFF	110	100
620-14578-20	FB101123	110	101
620-14578-21	413 North Road	110	101
620-14578-22	182 Forest's Edge	109	103
620-14578-23	794 Beecher Rd	111	101
620-14578-24	490 North Rd	109	101
620-14578-25	206 Forest's Edge	108	92
620-14578-26	714 Beecher Hill Rd	108	94
620-14578-27	455 North Rd	105	94
620-14578-28	455 North Rd-FD	108	95
LCS 410-434446/4	Lab Control Sample	114	109
LCS 410-434447/4	Lab Control Sample	108	104
MB 410-434446/6	Method Blank	106	101
MB 410-434447/6	Method Blank	108	99

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-130)	TOL (70-130)	DCA (70-130)	DBFM (70-130)
620-14578-3	EB101023	99	100	105	100
620-14578-7	MW-3S	98	98	105	103
620-14578-8	MW-3S-FD	98	101	105	104
620-14578-9	MW-2S	99	101	107	103
620-14578-10	MW-3D	100	102	105	105
620-14578-29	MW-4D	101	99	108	100
620-14578-30	MW-4S	102	99	107	99
620-14578-31	MW-1R	101	99	108	100
LCS 620-28137/4	Lab Control Sample	103	103	105	105
LCS 620-28140/4	Lab Control Sample	99	99	103	101
LCS 620-28206/4	Lab Control Sample	100	99	107	102
LCSD 620-28137/5	Lab Control Sample Dup	103	102	104	104
LCSD 620-28140/5	Lab Control Sample Dup	100	100	102	101

Surrogate Summary

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

Job ID: 620-14578-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-130)	TOL (70-130)	DCA (70-130)	DBFM (70-130)
LCS D 620-28206/5	Lab Control Sample Dup	99	100	107	103
MB 620-28137/7	Method Blank	100	102	104	102
MB 620-28140/7	Method Blank	101	99	103	100
MB 620-28206/7	Method Blank	101	99	106	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 TOL = Toluene-d8 (Surr)
 DCA = 1,2-Dichloroethane-d4 (Surr)
 DBFM = Dibromofluoromethane (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)
620-14578-2	FRB101023	117	128	103	90
620-14578-2 - RE	FRB101023	102	102	72	70
620-14578-4	152 Forest Edge Rd-INF	128	135 S1+	122	93
620-14578-4 - RE	152 Forest Edge Rd-INF	100	106	103	98
620-14578-5	152 Forest Edge Rd-MID	110	112	104	105
620-14578-5 - RE	152 Forest Edge Rd-MID	110	113	108	102
620-14578-6	152 Forest Edge Rd-EFF	115	132 S1+	120	109
620-14578-6 - RE	152 Forest Edge Rd-EFF	89	87	90	110
620-14578-11	907 Beecher Hill Rd-INF	116	134 S1+	120	111
620-14578-11 - RE	907 Beecher Hill Rd-INF	114	113	107	100
620-14578-12	907 Beecher Hill Rd-MID	106	102	106	101
620-14578-13	907 Beecher Hill Rd-EFF	105	102	106	105
620-14578-14	56 Forest Edge-INF	112	108	109	100
620-14578-15	56 Forest Edge-MID	105	102	103	101
620-14578-16	56 Forest Edge-EFF	105	104	107	104
620-14578-17	685 Beecher Hill Rd-INF	104	104	108	102
620-14578-18	685 Beecher Hill Rd-MID	109	110	108	111
620-14578-19	685 Beecher Hill Rd-EFF	98	104	102	101
620-14578-21	413 North Road	106	102	107	110
620-14578-22	182 Forest's Edge	121	124	116	107
620-14578-23	794 Beecher Rd	115	123	114	104
620-14578-24	490 North Rd	123	126	115	110
620-14578-25	206 Forest's Edge	112	126	119	112
620-14578-26	714 Beecher Hill Rd	108	124	117	99
620-14578-27	455 North Rd	121	130	128	96
620-14578-28	455 North Rd-FD	111	122	123	112
620-14578-32	FRB101123	120	118	109	103
LCS 410-432927/2-A	Lab Control Sample	124	127	121	117
LCS 410-432931/2-A	Lab Control Sample	123	126	123	110
LCS 410-435541/2-A	Lab Control Sample	104	111	107	97
LCS 410-435637/2-A	Lab Control Sample	105	97	97	100
LCS 410-435671/2-A	Lab Control Sample	102	104	105	104
LCS 410-442078/2-A	Lab Control Sample	109	106	106	108
LCS D 410-432927/3-A	Lab Control Sample Dup	142 S1+	131 S1+	123	105

Surrogate Summary

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

Job ID: 620-14578-1

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

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)
LCSD 410-432931/3-A	Lab Control Sample Dup	122	128	119	108
LCSD 410-435541/3-A	Lab Control Sample Dup	121	114	112	100
LCSD 410-435671/3-A	Lab Control Sample Dup	106	103	106	100
LCSD 410-442078/3-A	Lab Control Sample Dup	102	101	100	102
MB 410-432927/1-A	Method Blank	131 S1+	124	115	102
MB 410-432931/1-A	Method Blank	119	129	129	115
MB 410-435541/1-A	Method Blank	120	120	112	109
MB 410-435637/1-A	Method Blank	109	104	103	103
MB 410-435671/1-A	Method Blank	109	106	110	107
MB 410-442078/1-A	Method Blank	113	108	105	111

Surrogate Legend

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

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Isotope Dilution Summary

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

Job ID: 620-14578-1

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	M262FTS	M282FTS	PFTDA	C3PFBS	PFBA	C4PFHA	PFPeA
		(35-200)	(40-200)	(37-200)	(10-171)	(34-200)	(22-174)	(40-165)	(33-196)
620-14578-3	EB101023	85	82	101	100	98	74	81	71
620-14578-7	MW-3S	163	137	123	92	148	84	89	126
620-14578-8	MW-3S-FD	160	133	114	86	137	53	88	119
620-14578-9	MW-2S	209 *5+	136	115	81	133	93	93	127
620-14578-10	MW-3D	170	189	162	95	219 *5+	16 *5-	86	158
620-14578-10 - RA	MW-3D	247 *5+	235 *5+	171	80	183	15 *5-	92	145
620-14578-10 - RE	MW-3D	184	194	170	90	252 *5+	6 *5-	103	138
620-14578-29	MW-4D	205 *5+	88	91	78	115	32	89	110
620-14578-30	MW-4S	165	197	157	85	197	27	82	144
620-14578-30 - RA	MW-4S	211 *5+	242 *5+	177	61	189	27	81	139
620-14578-31	MW-1R	219 *5+	115	118	81	105	105	107	102
LCS 410-434108/2-A	Lab Control Sample	87	84	101	108	109	94	99	99
LCS 410-437662/2-A	Lab Control Sample	103	99	106	113	105	80	104	90
LCSD 410-434108/3-A	Lab Control Sample Dup	88	85	94	103	113	100	96	99
LCSD 410-437662/3-A	Lab Control Sample Dup	87	93	98	111	107	87	97	90
MB 410-434108/1-A	Method Blank	80	76	90	90	95	81	89	86
MB 410-437662/1-A	Method Blank	89	91	95	102	100	64	89	73

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C8PFOA	C8PFOS	d3NMFOF	d5NEFOS	C3PFHS	13C5PHA	C6PFDA	13C7PUA
		(52-153)	(59-155)	(38-168)	(34-181)	(48-169)	(28-166)	(53-151)	(41-163)
620-14578-3	EB101023	80	92	114	123	105	76	87	94
620-14578-7	MW-3S	89	93	116	119	101	81	94	90
620-14578-8	MW-3S-FD	89	89	106	105	101	83	87	86
620-14578-9	MW-2S	94	94	110	120	103	93	96	91
620-14578-10	MW-3D	89	91	112	117	112	73	98	95
620-14578-10 - RA	MW-3D	95	94	98	108	105	75	98	94
620-14578-10 - RE	MW-3D	101	102	104	120	126	85	96	106
620-14578-29	MW-4D	86	86	98	95	97	92	82	77
620-14578-30	MW-4S	89	96	114	115	97	71	97	93
620-14578-30 - RA	MW-4S	91	92	106	115	93	70	97	98
620-14578-31	MW-1R	107	94	102	111	108	112	88	89
LCS 410-434108/2-A	Lab Control Sample	97	97	123	118	109	95	99	98
LCS 410-437662/2-A	Lab Control Sample	108	102	123	132	110	102	101	107
LCSD 410-434108/3-A	Lab Control Sample Dup	95	95	116	111	106	95	97	95
LCSD 410-437662/3-A	Lab Control Sample Dup	101	97	129	130	104	93	100	108
MB 410-434108/1-A	Method Blank	86	88	103	98	97	87	88	82
MB 410-437662/1-A	Method Blank	96	89	110	121	97	87	84	94

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOSA	PFDODA	C9PFNA
		(10-155)	(22-165)	(52-168)
620-14578-3	EB101023	88	93	78
620-14578-7	MW-3S	99	95	88
620-14578-8	MW-3S-FD	93	87	85
620-14578-9	MW-2S	96	86	93
620-14578-10	MW-3D	83	93	87
620-14578-10 - RA	MW-3D	80	93	98
620-14578-10 - RE	MW-3D	90	105	90
620-14578-29	MW-4D	84	75	82
620-14578-30	MW-4S	69	92	89

Eurofins New England

Isotope Dilution Summary

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

Job ID: 620-14578-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOSA (10-155)	PFD _o DA (22-165)	C9PFNA (52-168)
620-14578-30 - RA	MW-4S	68	89	90
620-14578-31	MW-1R	80	84	99
LCS 410-434108/2-A	Lab Control Sample	102	99	93
LCS 410-437662/2-A	Lab Control Sample	99	109	97
LCS _D 410-434108/3-A	Lab Control Sample Dup	100	96	89
LCS _D 410-437662/3-A	Lab Control Sample Dup	97	106	93
MB 410-434108/1-A	Method Blank	88	86	82
MB 410-437662/1-A	Method Blank	69	99	89

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
- d3NMFOA = d₃-NMeFOA
- d5NEFOA = d₅-NEtFOA
- C3PFHS = 13C₃ PFHxS
- 13C₅PHA = 13C₅ PFHxA
- C6PFDA = 13C₆ PFDA
- 13C₇PUA = 13C₇ PFUnA
- PFOSA = 13C₈ FOSA
- PFD_oDA = 13C₂-PFD_oDA
- C9PFNA = 13C₉ PFNA

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 410-434446/6
Matrix: Drinking Water
Analysis Batch: 434446

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			10/23/23 11:59	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 11:59	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 11:59	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 11:59	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 11:59	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 11:59	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 11:59	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 11:59	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 11:59	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 11:59	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 11:59	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 11:59	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 11:59	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 11:59	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 11:59	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 11:59	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 11:59	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 11:59	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 11:59	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 11:59	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 11:59	1
2-Butanone	ND		5.00	ug/L			10/23/23 11:59	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 11:59	1
2-Hexanone	ND		5.00	ug/L			10/23/23 11:59	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 11:59	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 11:59	1
Acetone	ND		10.0	ug/L			10/23/23 11:59	1
Acrylonitrile	ND		10.0	ug/L			10/23/23 11:59	1
Benzene	ND		0.500	ug/L			10/23/23 11:59	1
Bromobenzene	ND		0.500	ug/L			10/23/23 11:59	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 11:59	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 11:59	1
Bromoform	ND		0.500	ug/L			10/23/23 11:59	1
Bromomethane	ND		0.500	ug/L			10/23/23 11:59	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 11:59	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 11:59	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 11:59	1
Chloroethane	ND		0.500	ug/L			10/23/23 11:59	1
Chloroform	ND		0.500	ug/L			10/23/23 11:59	1
Chloromethane	ND		0.500	ug/L			10/23/23 11:59	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 11:59	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 11:59	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 11:59	1
Dibromomethane	ND		0.500	ug/L			10/23/23 11:59	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 11:59	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 11:59	1
Ethyl ether	ND		0.500	ug/L			10/23/23 11:59	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 11:59	1

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 410-434446/6
Matrix: Drinking Water
Analysis Batch: 434446

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			10/23/23 11:59	1
Freon 113	ND		0.500	ug/L			10/23/23 11:59	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 11:59	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 11:59	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 11:59	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 11:59	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 11:59	1
Naphthalene	ND		0.500	ug/L			10/23/23 11:59	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 11:59	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 11:59	1
o-Xylene	ND		0.500	ug/L			10/23/23 11:59	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 11:59	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 11:59	1
Styrene	ND		0.500	ug/L			10/23/23 11:59	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 11:59	1
t-Butyl alcohol	ND		25.0	ug/L			10/23/23 11:59	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 11:59	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 11:59	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 11:59	1
Toluene	ND		0.500	ug/L			10/23/23 11:59	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 11:59	1
Trichloroethene	ND		0.500	ug/L			10/23/23 11:59	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 11:59	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 11:59	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 11:59	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120		10/23/23 11:59	1
4-Bromofluorobenzene (Surr)	101		80 - 120		10/23/23 11:59	1

Lab Sample ID: LCS 410-434446/4
Matrix: Drinking Water
Analysis Batch: 434446

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	5.321		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.171		ug/L		103	70 - 130
1,1,2-Trichloroethane	5.00	5.298		ug/L		106	70 - 130
1,1-Dichloroethane	5.00	5.606		ug/L		112	70 - 130
1,1-Dichloroethene	5.00	5.207		ug/L		104	70 - 130
1,1-Dichloropropene	5.00	5.255		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	5.00	4.614		ug/L		92	70 - 130
1,2,3-Trichloropropane	5.00	5.368		ug/L		107	70 - 130
1,2,4-Trichlorobenzene	5.00	4.958		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	5.00	5.061		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.906		ug/L		98	70 - 130
1,2-Dibromoethane	5.00	5.138		ug/L		103	70 - 130

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-434446/4

Matrix: Drinking Water

Analysis Batch: 434446

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	5.270		ug/L		105	70 - 130
1,2-Dichloroethane	5.00	5.131		ug/L		103	70 - 130
1,2-Dichloropropane	5.00	5.372		ug/L		107	70 - 130
1,3,5-Trimethylbenzene	5.00	5.118		ug/L		102	70 - 130
1,3-Dichlorobenzene	5.00	5.354		ug/L		107	70 - 130
1,3-Dichloropropane	5.00	5.296		ug/L		106	70 - 130
1,4-Dichlorobenzene	5.00	5.599		ug/L		112	70 - 130
2,2-Dichloropropane	5.00	5.017		ug/L		100	70 - 130
2-Butanone	62.5	71.97		ug/L		115	70 - 130
2-Chlorotoluene	5.00	5.203		ug/L		104	70 - 130
2-Hexanone	62.5	64.47		ug/L		103	70 - 130
4-Chlorotoluene	5.00	5.214		ug/L		104	70 - 130
4-Methyl-2-pentanone	62.5	62.00		ug/L		99	70 - 130
Acetone	62.5	71.16		ug/L		114	70 - 130
Acrylonitrile	113	130.9		ug/L		116	70 - 130
Benzene	5.00	5.282		ug/L		106	70 - 130
Bromobenzene	5.00	5.374		ug/L		107	70 - 130
Bromochloromethane	5.00	5.466		ug/L		109	70 - 130
Bromodichloromethane	5.00	5.405		ug/L		108	70 - 130
Bromoform	5.00	5.875		ug/L		118	70 - 130
Bromomethane	2.00	2.116		ug/L		106	70 - 130
Carbon disulfide	5.00	5.165		ug/L		103	70 - 130
Carbon tetrachloride	5.00	5.674		ug/L		113	70 - 130
Chlorobenzene	5.00	5.195		ug/L		104	70 - 130
Chloroethane	2.00	2.155		ug/L		108	70 - 130
Chloroform	5.00	5.421		ug/L		108	70 - 130
Chloromethane	2.00	2.110		ug/L		106	70 - 130
cis-1,2-Dichloroethene	5.00	5.385		ug/L		108	70 - 130
cis-1,3-Dichloropropene	5.00	4.716		ug/L		94	70 - 130
Dibromochloromethane	5.00	5.568		ug/L		111	70 - 130
Dibromomethane	5.00	5.287		ug/L		106	70 - 130
Dichlorodifluoromethane	2.00	1.699		ug/L		85	70 - 130
di-Isopropyl ether	5.00	4.954		ug/L		99	70 - 130
Ethyl ether	5.00	5.298		ug/L		106	70 - 130
Ethyl t-butyl ether	5.00	5.169		ug/L		103	70 - 130
Ethylbenzene	5.00	5.096		ug/L		102	70 - 130
Freon 113	5.00	4.589		ug/L		92	70 - 130
Hexachlorobutadiene	5.00	5.296		ug/L		106	70 - 130
Isopropylbenzene	5.00	5.097		ug/L		102	70 - 130
m&p-Xylene	10.0	10.36		ug/L		104	70 - 130
Methyl tertiary butyl ether	5.00	4.938		ug/L		99	70 - 130
Methylene Chloride	5.00	5.342		ug/L		107	70 - 130
Naphthalene	5.00	4.355		ug/L		87	70 - 130
n-Butylbenzene	5.00	5.105		ug/L		102	70 - 130
N-Propylbenzene	5.00	5.214		ug/L		104	70 - 130
o-Xylene	5.00	5.061		ug/L		101	70 - 130
p-Isopropyltoluene	5.00	5.077		ug/L		102	70 - 130
sec-Butylbenzene	5.00	5.090		ug/L		102	70 - 130
Styrene	5.00	5.174		ug/L		103	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-434446/4

Matrix: Drinking Water

Analysis Batch: 434446

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	4.569		ug/L		91	70 - 130
t-Butyl alcohol	50.0	70.32	*+	ug/L		141	70 - 130
tert-Butylbenzene	5.00	5.013		ug/L		100	70 - 130
Tetrachloroethene	5.00	5.423		ug/L		108	70 - 130
Tetrahydrofuran	46.9	46.73		ug/L		100	70 - 130
Toluene	5.00	5.041		ug/L		101	70 - 130
trans-1,2-Dichloroethene	5.00	5.325		ug/L		107	70 - 130
Trichloroethene	5.00	5.153		ug/L		103	70 - 130
Trichlorofluoromethane	2.00	2.136		ug/L		107	70 - 130
Vinyl chloride	2.00	1.986		ug/L		99	70 - 130
trans-1,3-Dichloropropene	5.00	4.931		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	114		80 - 120
4-Bromofluorobenzene (Surr)	109		80 - 120

Lab Sample ID: MB 410-434447/6

Matrix: Drinking Water

Analysis Batch: 434447

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			10/23/23 12:03	1
1,1,1-Trichloroethane	ND		0.500	ug/L			10/23/23 12:03	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 12:03	1
1,1,2-Trichloroethane	ND		0.500	ug/L			10/23/23 12:03	1
1,1-Dichloroethane	ND		0.500	ug/L			10/23/23 12:03	1
1,1-Dichloroethene	ND		0.500	ug/L			10/23/23 12:03	1
1,1-Dichloropropene	ND		0.500	ug/L			10/23/23 12:03	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			10/23/23 12:03	1
1,2,3-Trichloropropane	ND		0.500	ug/L			10/23/23 12:03	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			10/23/23 12:03	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			10/23/23 12:03	1
1,2-Dibromoethane	ND		0.500	ug/L			10/23/23 12:03	1
1,2-Dichlorobenzene	ND		0.500	ug/L			10/23/23 12:03	1
1,2-Dichloroethane	ND		0.500	ug/L			10/23/23 12:03	1
1,2-Dichloropropane	ND		0.500	ug/L			10/23/23 12:03	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
1,3-Dichlorobenzene	ND		0.500	ug/L			10/23/23 12:03	1
1,3-Dichloropropane	ND		0.500	ug/L			10/23/23 12:03	1
1,4-Dichlorobenzene	ND		0.500	ug/L			10/23/23 12:03	1
2,2-Dichloropropane	ND		0.500	ug/L			10/23/23 12:03	1
2-Butanone	ND		5.00	ug/L			10/23/23 12:03	1
2-Chlorotoluene	ND		0.500	ug/L			10/23/23 12:03	1
2-Hexanone	ND		5.00	ug/L			10/23/23 12:03	1
4-Chlorotoluene	ND		0.500	ug/L			10/23/23 12:03	1
4-Methyl-2-pentanone	ND		5.00	ug/L			10/23/23 12:03	1
Acetone	ND		10.0	ug/L			10/23/23 12:03	1

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 410-434447/6

Matrix: Drinking Water

Analysis Batch: 434447

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Acrylonitrile	ND		10.0	ug/L			10/23/23 12:03	1
Benzene	ND		0.500	ug/L			10/23/23 12:03	1
Bromobenzene	ND		0.500	ug/L			10/23/23 12:03	1
Bromochloromethane	ND		0.500	ug/L			10/23/23 12:03	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 12:03	1
Bromoform	ND		0.500	ug/L			10/23/23 12:03	1
Bromomethane	ND		0.500	ug/L			10/23/23 12:03	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 12:03	1
Carbon tetrachloride	ND		0.500	ug/L			10/23/23 12:03	1
Chlorobenzene	ND		0.500	ug/L			10/23/23 12:03	1
Chloroethane	ND		0.500	ug/L			10/23/23 12:03	1
Chloroform	ND		0.500	ug/L			10/23/23 12:03	1
Chloromethane	ND		0.500	ug/L			10/23/23 12:03	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 12:03	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 12:03	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 12:03	1
Dibromomethane	ND		0.500	ug/L			10/23/23 12:03	1
Dichlorodifluoromethane	ND		0.500	ug/L			10/23/23 12:03	1
di-Isopropyl ether	ND		0.500	ug/L			10/23/23 12:03	1
Ethyl ether	ND		0.500	ug/L			10/23/23 12:03	1
Ethyl t-butyl ether	ND		0.500	ug/L			10/23/23 12:03	1
Ethylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
Freon 113	ND		0.500	ug/L			10/23/23 12:03	1
Hexachlorobutadiene	ND		0.500	ug/L			10/23/23 12:03	1
Isopropylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
m&p-Xylene	ND		1.00	ug/L			10/23/23 12:03	1
Methyl tertiary butyl ether	ND		0.500	ug/L			10/23/23 12:03	1
Methylene Chloride	ND		0.500	ug/L			10/23/23 12:03	1
Naphthalene	ND		0.500	ug/L			10/23/23 12:03	1
n-Butylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
N-Propylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
o-Xylene	ND		0.500	ug/L			10/23/23 12:03	1
p-Isopropyltoluene	ND		0.500	ug/L			10/23/23 12:03	1
sec-Butylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
Styrene	ND		0.500	ug/L			10/23/23 12:03	1
t-Amyl methyl ether	ND		0.500	ug/L			10/23/23 12:03	1
t-Butyl alcohol	ND		25.0	ug/L			10/23/23 12:03	1
tert-Butylbenzene	ND		0.500	ug/L			10/23/23 12:03	1
Tetrachloroethene	ND		0.500	ug/L			10/23/23 12:03	1
Tetrahydrofuran	ND		7.00	ug/L			10/23/23 12:03	1
Toluene	ND		0.500	ug/L			10/23/23 12:03	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			10/23/23 12:03	1
Trichloroethene	ND		0.500	ug/L			10/23/23 12:03	1
Trichlorofluoromethane	ND		0.500	ug/L			10/23/23 12:03	1
Vinyl chloride	ND		0.500	ug/L			10/23/23 12:03	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 12:03	1

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 410-434447/6

Matrix: Drinking Water

Analysis Batch: 434447

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120		10/23/23 12:03	1
4-Bromofluorobenzene (Surr)	99		80 - 120		10/23/23 12:03	1

Lab Sample ID: LCS 410-434447/4

Matrix: Drinking Water

Analysis Batch: 434447

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	5.345		ug/L		107	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.237		ug/L		105	70 - 130
1,1,2-Trichloroethane	5.00	5.362		ug/L		107	70 - 130
1,1-Dichloroethane	5.00	5.401		ug/L		108	70 - 130
1,1-Dichloroethene	5.00	5.314		ug/L		106	70 - 130
1,1-Dichloropropene	5.00	5.051		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	5.00	5.341		ug/L		107	70 - 130
1,2,3-Trichloropropane	5.00	5.312		ug/L		106	70 - 130
1,2,4-Trichlorobenzene	5.00	5.419		ug/L		108	70 - 130
1,2,4-Trimethylbenzene	5.00	5.339		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	5.223		ug/L		104	70 - 130
1,2-Dibromoethane	5.00	5.275		ug/L		106	70 - 130
1,2-Dichlorobenzene	5.00	5.357		ug/L		107	70 - 130
1,2-Dichloroethane	5.00	5.323		ug/L		106	70 - 130
1,2-Dichloropropane	5.00	5.170		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	5.00	5.310		ug/L		106	70 - 130
1,3-Dichlorobenzene	5.00	5.458		ug/L		109	70 - 130
1,3-Dichloropropane	5.00	5.355		ug/L		107	70 - 130
1,4-Dichlorobenzene	5.00	5.691		ug/L		114	70 - 130
2,2-Dichloropropane	5.00	5.375		ug/L		108	70 - 130
2-Butanone	62.5	64.77		ug/L		104	70 - 130
2-Chlorotoluene	5.00	5.372		ug/L		107	70 - 130
2-Hexanone	62.5	60.94		ug/L		97	70 - 130
4-Chlorotoluene	5.00	5.416		ug/L		108	70 - 130
4-Methyl-2-pentanone	62.5	58.32		ug/L		93	70 - 130
Acetone	62.5	60.70		ug/L		97	70 - 130
Acrylonitrile	113	116.1		ug/L		103	70 - 130
Benzene	5.00	5.149		ug/L		103	70 - 130
Bromobenzene	5.00	5.352		ug/L		107	70 - 130
Bromochloromethane	5.00	5.417		ug/L		108	70 - 130
Bromodichloromethane	5.00	5.270		ug/L		105	70 - 130
Bromoform	5.00	5.514		ug/L		110	70 - 130
Bromomethane	2.00	2.360		ug/L		118	70 - 130
Carbon disulfide	5.00	4.968		ug/L		99	70 - 130
Carbon tetrachloride	5.00	5.420		ug/L		108	70 - 130
Chlorobenzene	5.00	5.384		ug/L		108	70 - 130
Chloroethane	2.00	2.407		ug/L		120	70 - 130
Chloroform	5.00	5.306		ug/L		106	70 - 130
Chloromethane	2.00	2.295		ug/L		115	70 - 130

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-434447/4
Matrix: Drinking Water
Analysis Batch: 434447

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
cis-1,2-Dichloroethene	5.00	5.473		ug/L		109	70 - 130
cis-1,3-Dichloropropene	5.00	4.972		ug/L		99	70 - 130
Dibromochloromethane	5.00	5.638		ug/L		113	70 - 130
Dibromomethane	5.00	5.424		ug/L		108	70 - 130
Dichlorodifluoromethane	2.00	2.280		ug/L		114	70 - 130
di-Isopropyl ether	5.00	4.883		ug/L		98	70 - 130
Ethyl ether	5.00	5.065		ug/L		101	70 - 130
Ethyl t-butyl ether	5.00	4.920		ug/L		98	70 - 130
Ethylbenzene	5.00	5.328		ug/L		107	70 - 130
Freon 113	5.00	4.699		ug/L		94	70 - 130
Hexachlorobutadiene	5.00	5.515		ug/L		110	70 - 130
Isopropylbenzene	5.00	5.357		ug/L		107	70 - 130
m&p-Xylene	10.0	10.86		ug/L		109	70 - 130
Methyl tertiary butyl ether	5.00	5.030		ug/L		101	70 - 130
Methylene Chloride	5.00	5.337		ug/L		107	70 - 130
Naphthalene	5.00	5.190		ug/L		104	70 - 130
n-Butylbenzene	5.00	5.231		ug/L		105	70 - 130
N-Propylbenzene	5.00	5.380		ug/L		108	70 - 130
o-Xylene	5.00	5.311		ug/L		106	70 - 130
p-Isopropyltoluene	5.00	5.339		ug/L		107	70 - 130
sec-Butylbenzene	5.00	5.324		ug/L		106	70 - 130
Styrene	5.00	5.382		ug/L		108	70 - 130
t-Amyl methyl ether	5.00	4.504		ug/L		90	70 - 130
t-Butyl alcohol	50.0	47.29		ug/L		95	70 - 130
tert-Butylbenzene	5.00	5.215		ug/L		104	70 - 130
Tetrachloroethene	5.00	5.420		ug/L		108	70 - 130
Tetrahydrofuran	46.9	43.51		ug/L		93	70 - 130
Toluene	5.00	5.252		ug/L		105	70 - 130
trans-1,2-Dichloroethene	5.00	5.236		ug/L		105	70 - 130
Trichloroethene	5.00	5.085		ug/L		102	70 - 130
Trichlorofluoromethane	2.00	2.278		ug/L		114	70 - 130
Vinyl chloride	2.00	2.196		ug/L		110	70 - 130
trans-1,3-Dichloropropene	5.00	4.937		ug/L		99	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichlorobenzene-d4 (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	104		80 - 120

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

Lab Sample ID: MB 620-28137/7
Matrix: Water
Analysis Batch: 28137

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			10/23/23 20:31	1
Acetone	ND		10.0	ug/L			10/23/23 20:31	1
Acrylonitrile	ND		0.500	ug/L			10/23/23 20:31	1

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 620-28137/7

Matrix: Water

Analysis Batch: 28137

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		1.00	ug/L			10/23/23 20:31	1
Bromobenzene	ND		1.00	ug/L			10/23/23 20:31	1
Bromochloromethane	ND		1.00	ug/L			10/23/23 20:31	1
Bromodichloromethane	ND		0.500	ug/L			10/23/23 20:31	1
Bromoform	ND		1.00	ug/L			10/23/23 20:31	1
Bromomethane	ND		2.00	ug/L			10/23/23 20:31	1
2-Butanone (MEK)	ND		2.00	ug/L			10/23/23 20:31	1
n-Butylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
sec-Butylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
tert-Butylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
Carbon disulfide	ND		2.00	ug/L			10/23/23 20:31	1
Carbon tetrachloride	ND		1.00	ug/L			10/23/23 20:31	1
Chlorobenzene	ND		1.00	ug/L			10/23/23 20:31	1
Chloroethane	ND		2.00	ug/L			10/23/23 20:31	1
Chloroform	ND		1.00	ug/L			10/23/23 20:31	1
Chloromethane	ND		2.00	ug/L			10/23/23 20:31	1
2-Chlorotoluene	ND		1.00	ug/L			10/23/23 20:31	1
4-Chlorotoluene	ND		1.00	ug/L			10/23/23 20:31	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			10/23/23 20:31	1
Dibromochloromethane	ND		0.500	ug/L			10/23/23 20:31	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/23/23 20:31	1
Dibromomethane	ND		1.00	ug/L			10/23/23 20:31	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/23/23 20:31	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/23/23 20:31	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/23/23 20:31	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/23/23 20:31	1
1,1-Dichloroethane	ND		1.00	ug/L			10/23/23 20:31	1
1,2-Dichloroethane	ND		1.00	ug/L			10/23/23 20:31	1
1,1-Dichloroethene	ND		1.00	ug/L			10/23/23 20:31	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 20:31	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 20:31	1
1,2-Dichloropropane	ND		1.00	ug/L			10/23/23 20:31	1
1,3-Dichloropropane	ND		1.00	ug/L			10/23/23 20:31	1
2,2-Dichloropropane	ND		1.00	ug/L			10/23/23 20:31	1
1,1-Dichloropropene	ND		1.00	ug/L			10/23/23 20:31	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:31	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 20:31	1
Ethylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
Hexachlorobutadiene	ND		1.00	ug/L			10/23/23 20:31	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/23/23 20:31	1
Isopropylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
4-Isopropyltoluene	ND		1.00	ug/L			10/23/23 20:31	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/23/23 20:31	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/23/23 20:31	1
Methylene Chloride	ND		2.00	ug/L			10/23/23 20:31	1
Naphthalene	ND		2.00	ug/L			10/23/23 20:31	1
N-Propylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
Styrene	ND		1.00	ug/L			10/23/23 20:31	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/23/23 20:31	1

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 620-28137/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 28137

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 20:31	1
Tetrachloroethene	ND		1.00	ug/L			10/23/23 20:31	1
Toluene	ND		1.00	ug/L			10/23/23 20:31	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/23/23 20:31	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/23/23 20:31	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/23/23 20:31	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/23/23 20:31	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/23/23 20:31	1
Trichloroethene	ND		1.00	ug/L			10/23/23 20:31	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/23/23 20:31	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/23/23 20:31	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/23/23 20:31	1
Vinyl chloride	ND		1.00	ug/L			10/23/23 20:31	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/23/23 20:31	1
o-Xylene	ND		1.00	ug/L			10/23/23 20:31	1
Tetrahydrofuran	ND		2.00	ug/L			10/23/23 20:31	1
Ethyl ether	ND		1.00	ug/L			10/23/23 20:31	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/23/23 20:31	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/23/23 20:31	1
di-Isopropyl ether	ND		1.00	ug/L			10/23/23 20:31	1
tert-Butanol	ND		10.0	ug/L			10/23/23 20:31	1
1,4-Dioxane	ND		50.0	ug/L			10/23/23 20:31	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/23/23 20:31	1
Ethanol	ND		200	ug/L			10/23/23 20:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		70 - 130		10/23/23 20:31	1
Toluene-d8 (Surr)	102		70 - 130		10/23/23 20:31	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		10/23/23 20:31	1
Dibromofluoromethane (Surr)	102		70 - 130		10/23/23 20:31	1

Lab Sample ID: LCS 620-28137/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 28137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	20.0	17.57		ug/L		88	14 - 133
Acrylonitrile	20.0	21.32		ug/L		107	62 - 134
Benzene	20.0	21.26		ug/L		106	86 - 111
Bromobenzene	20.0	19.56		ug/L		98	82 - 120
Bromochloromethane	20.0	21.31		ug/L		107	83 - 123
Bromodichloromethane	20.0	22.74		ug/L		114	83 - 137
Bromoform	20.0	21.94		ug/L		110	91 - 137
Bromomethane	20.0	19.85		ug/L		99	29 - 148
2-Butanone (MEK)	20.0	17.56		ug/L		88	10 - 200
n-Butylbenzene	20.0	19.71		ug/L		99	85 - 138

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 620-28137/4

Matrix: Water

Analysis Batch: 28137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
sec-Butylbenzene	20.0	22.67		ug/L		113	75 - 118
tert-Butylbenzene	20.0	23.24		ug/L		116	85 - 122
Carbon disulfide	20.0	19.75		ug/L		99	69 - 150
Carbon tetrachloride	20.0	21.21		ug/L		106	84 - 123
Chlorobenzene	20.0	21.48		ug/L		107	93 - 115
Chloroethane	20.0	20.09		ug/L		100	56 - 155
Chloroform	20.0	22.31		ug/L		112	84 - 116
Chloromethane	20.0	22.77		ug/L		114	45 - 138
2-Chlorotoluene	20.0	20.75		ug/L		104	88 - 116
4-Chlorotoluene	20.0	21.62		ug/L		108	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	17.97		ug/L		90	70 - 139
Dibromochloromethane	20.0	22.40		ug/L		112	83 - 132
1,2-Dibromoethane (EDB)	20.0	21.14		ug/L		106	82 - 125
Dibromomethane	20.0	21.53		ug/L		108	80 - 125
1,2-Dichlorobenzene	20.0	20.96		ug/L		105	84 - 128
1,3-Dichlorobenzene	20.0	21.15		ug/L		106	85 - 120
1,4-Dichlorobenzene	20.0	19.77		ug/L		99	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	16.62		ug/L		83	36 - 131
1,1-Dichloroethane	20.0	22.35		ug/L		112	81 - 120
1,2-Dichloroethane	20.0	20.61		ug/L		103	82 - 116
1,1-Dichloroethene	20.0	21.49		ug/L		107	83 - 120
cis-1,2-Dichloroethene	20.0	23.09		ug/L		115	81 - 124
trans-1,2-Dichloroethene	20.0	22.45		ug/L		112	81 - 127
1,2-Dichloropropane	20.0	22.70		ug/L		114	76 - 132
1,3-Dichloropropane	20.0	20.36		ug/L		102	74 - 122
2,2-Dichloropropane	20.0	20.58		ug/L		103	77 - 130
1,1-Dichloropropene	20.0	19.54		ug/L		98	81 - 115
cis-1,3-Dichloropropene	20.0	21.54		ug/L		108	74 - 129
trans-1,3-Dichloropropene	20.0	22.70		ug/L		114	78 - 126
Ethylbenzene	20.0	21.01		ug/L		105	89 - 117
Hexachlorobutadiene	20.0	19.99		ug/L		100	77 - 118
2-Hexanone (MBK)	20.0	16.34		ug/L		82	37 - 123
Isopropylbenzene	20.0	22.38		ug/L		112	83 - 117
4-Isopropyltoluene	20.0	18.84		ug/L		94	83 - 124
Methyl tert-butyl ether	20.0	20.33		ug/L		102	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	18.13		ug/L		91	59 - 118
Methylene Chloride	20.0	20.29		ug/L		101	75 - 121
Naphthalene	20.0	15.91		ug/L		80	67 - 123
N-Propylbenzene	20.0	21.92		ug/L		110	84 - 128
Styrene	20.0	20.21		ug/L		101	78 - 127
1,1,1,2-Tetrachloroethane	20.0	20.36		ug/L		102	91 - 118
1,1,1,2,2-Tetrachloroethane	20.0	20.52		ug/L		103	77 - 129
Tetrachloroethene	20.0	20.80		ug/L		104	85 - 116
Toluene	20.0	20.91		ug/L		105	88 - 109
1,2,3-Trichlorobenzene	20.0	17.82		ug/L		89	67 - 134
1,2,4-Trichlorobenzene	20.0	20.59		ug/L		103	78 - 133
1,3,5-Trichlorobenzene	20.0	20.15		ug/L		101	77 - 127
1,1,1-Trichloroethane	20.0	21.59		ug/L		108	83 - 124

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 620-28137/4

Matrix: Water

Analysis Batch: 28137

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-Trichloroethane	20.0	22.05		ug/L		110	84 - 132
Trichloroethene	20.0	19.95		ug/L		100	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	22.54		ug/L		113	82 - 126
1,2,3-Trichloropropane	20.0	18.49		ug/L		92	77 - 124
1,2,4-Trimethylbenzene	20.0	23.50		ug/L		118	89 - 126
1,3,5-Trimethylbenzene	20.0	22.46		ug/L		112	89 - 125
Vinyl chloride	20.0	20.26		ug/L		101	62 - 130
m-Xylene & p-Xylene	40.0	46.85		ug/L		117	85 - 123
o-Xylene	20.0	23.25		ug/L		116	85 - 119
Tetrahydrofuran	20.0	19.71		ug/L		99	60 - 133
Ethyl ether	20.0	19.29		ug/L		96	69 - 122
Tert-amyl methyl ether	20.0	20.81		ug/L		104	50 - 140
Ethyl tert-butyl ether	20.0	21.05		ug/L		105	60 - 131
di-Isopropyl ether	20.0	20.49		ug/L		102	67 - 125
tert-Butanol	200	193.9		ug/L		97	50 - 169
1,4-Dioxane	200	177.9		ug/L		89	28 - 150
trans-1,4-Dichloro-2-butene	20.0	22.21		ug/L		111	48 - 153
Ethanol	400	436.1		ug/L		109	47 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
Toluene-d8 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130

Lab Sample ID: LCSD 620-28137/5

Matrix: Water

Analysis Batch: 28137

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	19.95		ug/L		100	85 - 124	2	20
Acetone	20.0	20.63		ug/L		103	14 - 133	16	20
Acrylonitrile	20.0	21.62		ug/L		108	62 - 134	1	20
Benzene	20.0	21.09		ug/L		105	86 - 111	1	20
Bromobenzene	20.0	19.58		ug/L		98	82 - 120	0	20
Bromochloromethane	20.0	21.19		ug/L		106	83 - 123	1	20
Bromodichloromethane	20.0	22.12		ug/L		111	83 - 137	3	20
Bromoform	20.0	21.99		ug/L		110	91 - 137	0	20
Bromomethane	20.0	19.14		ug/L		96	29 - 148	4	20
2-Butanone (MEK)	20.0	17.04		ug/L		85	10 - 200	3	20
n-Butylbenzene	20.0	20.09		ug/L		100	85 - 138	2	20
sec-Butylbenzene	20.0	21.75		ug/L		109	75 - 118	4	20
tert-Butylbenzene	20.0	22.84		ug/L		114	85 - 122	2	20
Carbon disulfide	20.0	19.48		ug/L		97	69 - 150	1	20
Carbon tetrachloride	20.0	20.51		ug/L		103	84 - 123	3	20
Chlorobenzene	20.0	20.94		ug/L		105	93 - 115	3	20
Chloroethane	20.0	19.81		ug/L		99	56 - 155	1	20

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 620-28137/5

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 28137

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
Chloroform	20.0	22.03		ug/L		110	84 - 116	1	20
Chloromethane	20.0	21.71		ug/L		109	45 - 138	5	20
2-Chlorotoluene	20.0	20.76		ug/L		104	88 - 116	0	20
4-Chlorotoluene	20.0	21.57		ug/L		108	81 - 128	0	20
1,2-Dibromo-3-Chloropropane	20.0	18.23		ug/L		91	70 - 139	1	20
Dibromochloromethane	20.0	22.20		ug/L		111	83 - 132	1	20
1,2-Dibromoethane (EDB)	20.0	21.44		ug/L		107	82 - 125	1	20
Dibromomethane	20.0	20.84		ug/L		104	80 - 125	3	20
1,2-Dichlorobenzene	20.0	20.65		ug/L		103	84 - 128	1	20
1,3-Dichlorobenzene	20.0	20.30		ug/L		102	85 - 120	4	20
1,4-Dichlorobenzene	20.0	19.37		ug/L		97	86 - 116	2	20
Dichlorodifluoromethane (Freon 12)	20.0	15.97		ug/L		80	36 - 131	4	20
1,1-Dichloroethane	20.0	21.86		ug/L		109	81 - 120	2	20
1,2-Dichloroethane	20.0	20.19		ug/L		101	82 - 116	2	20
1,1-Dichloroethene	20.0	20.78		ug/L		104	83 - 120	3	20
cis-1,2-Dichloroethene	20.0	22.92		ug/L		115	81 - 124	1	20
trans-1,2-Dichloroethene	20.0	21.99		ug/L		110	81 - 127	2	20
1,2-Dichloropropane	20.0	22.13		ug/L		111	76 - 132	3	20
1,3-Dichloropropane	20.0	20.56		ug/L		103	74 - 122	1	20
2,2-Dichloropropane	20.0	19.99		ug/L		100	77 - 130	3	20
1,1-Dichloropropene	20.0	19.15		ug/L		96	81 - 115	2	20
cis-1,3-Dichloropropene	20.0	20.86		ug/L		104	74 - 129	3	20
trans-1,3-Dichloropropene	20.0	22.98		ug/L		115	78 - 126	1	20
Ethylbenzene	20.0	20.39		ug/L		102	89 - 117	3	20
Hexachlorobutadiene	20.0	20.14		ug/L		101	77 - 118	1	20
2-Hexanone (MBK)	20.0	17.15		ug/L		86	37 - 123	5	20
Isopropylbenzene	20.0	21.84		ug/L		109	83 - 117	2	20
4-Isopropyltoluene	20.0	18.64		ug/L		93	83 - 124	1	20
Methyl tert-butyl ether	20.0	20.24		ug/L		101	70 - 126	0	20
4-Methyl-2-pentanone (MIBK)	20.0	18.71		ug/L		94	59 - 118	3	20
Methylene Chloride	20.0	20.04		ug/L		100	75 - 121	1	20
Naphthalene	20.0	16.78		ug/L		84	67 - 123	5	20
N-Propylbenzene	20.0	21.48		ug/L		107	84 - 128	2	20
Styrene	20.0	20.17		ug/L		101	78 - 127	0	20
1,1,1,2-Tetrachloroethane	20.0	20.17		ug/L		101	91 - 118	1	20
1,1,1,2,2-Tetrachloroethane	20.0	20.34		ug/L		102	77 - 129	1	20
Tetrachloroethene	20.0	20.49		ug/L		102	85 - 116	2	20
Toluene	20.0	20.19		ug/L		101	88 - 109	4	20
1,2,3-Trichlorobenzene	20.0	18.39		ug/L		92	67 - 134	3	20
1,2,4-Trichlorobenzene	20.0	20.83		ug/L		104	78 - 133	1	20
1,3,5-Trichlorobenzene	20.0	20.37		ug/L		102	77 - 127	1	20
1,1,1-Trichloroethane	20.0	20.80		ug/L		104	83 - 124	4	20
1,1,2-Trichloroethane	20.0	21.86		ug/L		109	84 - 132	1	20
Trichloroethene	20.0	19.80		ug/L		99	74 - 118	1	20
Trichlorofluoromethane (Freon 11)	20.0	22.30		ug/L		112	82 - 126	1	20
1,2,3-Trichloropropane	20.0	18.69		ug/L		93	77 - 124	1	20
1,2,4-Trimethylbenzene	20.0	23.19		ug/L		116	89 - 126	1	20

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 620-28137/5

Matrix: Water

Analysis Batch: 28137

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,3,5-Trimethylbenzene	20.0	22.66		ug/L		113	89 - 125	1	20
Vinyl chloride	20.0	19.37		ug/L		97	62 - 130	5	20
m-Xylene & p-Xylene	40.0	46.78		ug/L		117	85 - 123	0	20
o-Xylene	20.0	22.98		ug/L		115	85 - 119	1	20
Tetrahydrofuran	20.0	18.65		ug/L		93	60 - 133	6	20
Ethyl ether	20.0	18.97		ug/L		95	69 - 122	2	20
Tert-amyl methyl ether	20.0	20.75		ug/L		104	50 - 140	0	20
Ethyl tert-butyl ether	20.0	21.12		ug/L		106	60 - 131	0	20
di-Isopropyl ether	20.0	20.48		ug/L		102	67 - 125	0	20
tert-Butanol	200	200.3		ug/L		100	50 - 169	3	20
1,4-Dioxane	200	199.3		ug/L		100	28 - 150	11	20
trans-1,4-Dichloro-2-butene	20.0	22.52		ug/L		113	48 - 153	1	20
Ethanol	400	465.2		ug/L		116	47 - 170	6	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
Toluene-d8 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130

Lab Sample ID: MB 620-28140/7

Matrix: Water

Analysis Batch: 28140

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Acetone	ND		10.0	ug/L		10/23/23 19:56	19:56	1
Acrylonitrile	ND		0.500	ug/L		10/23/23 19:56	19:56	1
Benzene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Bromobenzene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Bromochloromethane	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Bromodichloromethane	ND		0.500	ug/L		10/23/23 19:56	19:56	1
Bromoform	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Bromomethane	ND		2.00	ug/L		10/23/23 19:56	19:56	1
2-Butanone (MEK)	ND		2.00	ug/L		10/23/23 19:56	19:56	1
n-Butylbenzene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
sec-Butylbenzene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
tert-Butylbenzene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Carbon disulfide	ND		2.00	ug/L		10/23/23 19:56	19:56	1
Carbon tetrachloride	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Chlorobenzene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Chloroethane	ND		2.00	ug/L		10/23/23 19:56	19:56	1
Chloroform	ND		1.00	ug/L		10/23/23 19:56	19:56	1
Chloromethane	ND		2.00	ug/L		10/23/23 19:56	19:56	1
2-Chlorotoluene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
4-Chlorotoluene	ND		1.00	ug/L		10/23/23 19:56	19:56	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L		10/23/23 19:56	19:56	1
Dibromochloromethane	ND		0.500	ug/L		10/23/23 19:56	19:56	1

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 620-28140/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 28140

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			10/23/23 19:56	1
Dibromomethane	ND		1.00	ug/L			10/23/23 19:56	1
1,2-Dichlorobenzene	ND		1.00	ug/L			10/23/23 19:56	1
1,3-Dichlorobenzene	ND		1.00	ug/L			10/23/23 19:56	1
1,4-Dichlorobenzene	ND		1.00	ug/L			10/23/23 19:56	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			10/23/23 19:56	1
1,1-Dichloroethane	ND		1.00	ug/L			10/23/23 19:56	1
1,2-Dichloroethane	ND		1.00	ug/L			10/23/23 19:56	1
1,1-Dichloroethene	ND		1.00	ug/L			10/23/23 19:56	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 19:56	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			10/23/23 19:56	1
1,2-Dichloropropane	ND		1.00	ug/L			10/23/23 19:56	1
1,3-Dichloropropane	ND		1.00	ug/L			10/23/23 19:56	1
2,2-Dichloropropane	ND		1.00	ug/L			10/23/23 19:56	1
1,1-Dichloropropene	ND		1.00	ug/L			10/23/23 19:56	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:56	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			10/23/23 19:56	1
Ethylbenzene	ND		1.00	ug/L			10/23/23 19:56	1
Hexachlorobutadiene	ND		1.00	ug/L			10/23/23 19:56	1
2-Hexanone (MBK)	ND		2.00	ug/L			10/23/23 19:56	1
Isopropylbenzene	ND		1.00	ug/L			10/23/23 19:56	1
4-Isopropyltoluene	ND		1.00	ug/L			10/23/23 19:56	1
Methyl tert-butyl ether	ND		1.00	ug/L			10/23/23 19:56	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			10/23/23 19:56	1
Methylene Chloride	ND		2.00	ug/L			10/23/23 19:56	1
Naphthalene	ND		2.00	ug/L			10/23/23 19:56	1
N-Propylbenzene	ND		1.00	ug/L			10/23/23 19:56	1
Styrene	ND		1.00	ug/L			10/23/23 19:56	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/23/23 19:56	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/23/23 19:56	1
Tetrachloroethene	ND		1.00	ug/L			10/23/23 19:56	1
Toluene	ND		1.00	ug/L			10/23/23 19:56	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/23/23 19:56	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/23/23 19:56	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/23/23 19:56	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/23/23 19:56	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/23/23 19:56	1
Trichloroethene	ND		1.00	ug/L			10/23/23 19:56	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/23/23 19:56	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/23/23 19:56	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/23/23 19:56	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/23/23 19:56	1
Vinyl chloride	ND		1.00	ug/L			10/23/23 19:56	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/23/23 19:56	1
o-Xylene	ND		1.00	ug/L			10/23/23 19:56	1
Tetrahydrofuran	ND		2.00	ug/L			10/23/23 19:56	1
Ethyl ether	ND		1.00	ug/L			10/23/23 19:56	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/23/23 19:56	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/23/23 19:56	1

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 620-28140/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 28140

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
di-Isopropyl ether	ND		1.00	ug/L			10/23/23 19:56	1
tert-Butanol	ND		10.0	ug/L			10/23/23 19:56	1
1,4-Dioxane	ND		50.0	ug/L			10/23/23 19:56	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/23/23 19:56	1
Ethanol	ND		200	ug/L			10/23/23 19:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		70 - 130		10/23/23 19:56	1
Toluene-d8 (Surr)	99		70 - 130		10/23/23 19:56	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		10/23/23 19:56	1
Dibromofluoromethane (Surr)	100		70 - 130		10/23/23 19:56	1

Lab Sample ID: LCS 620-28140/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 28140

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	18.19		ug/L		91	85 - 124
Acetone	20.0	15.82		ug/L		79	14 - 133
Acrylonitrile	20.0	18.54		ug/L		93	62 - 134
Benzene	20.0	18.55		ug/L		93	86 - 111
Bromobenzene	20.0	18.58		ug/L		93	82 - 120
Bromochloromethane	20.0	19.13		ug/L		96	83 - 123
Bromodichloromethane	20.0	17.60		ug/L		88	83 - 137
Bromoform	20.0	16.95	*-	ug/L		85	91 - 137
Bromomethane	20.0	16.04		ug/L		80	29 - 148
2-Butanone (MEK)	20.0	14.90		ug/L		74	10 - 200
n-Butylbenzene	20.0	17.81		ug/L		89	85 - 138
sec-Butylbenzene	20.0	17.83		ug/L		89	75 - 118
tert-Butylbenzene	20.0	18.13		ug/L		91	85 - 122
Carbon disulfide	20.0	17.01		ug/L		85	69 - 150
Carbon tetrachloride	20.0	18.00		ug/L		90	84 - 123
Chlorobenzene	20.0	18.57		ug/L		93	93 - 115
Chloroethane	20.0	15.47		ug/L		77	56 - 155
Chloroform	20.0	17.10		ug/L		85	84 - 116
Chloromethane	20.0	15.95		ug/L		80	45 - 138
2-Chlorotoluene	20.0	18.42		ug/L		92	88 - 116
4-Chlorotoluene	20.0	18.61		ug/L		93	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	16.08		ug/L		80	70 - 139
Dibromochloromethane	20.0	17.60		ug/L		88	83 - 132
1,2-Dibromoethane (EDB)	20.0	18.61		ug/L		93	82 - 125
Dibromomethane	20.0	18.67		ug/L		93	80 - 125
1,2-Dichlorobenzene	20.0	18.62		ug/L		93	84 - 128
1,3-Dichlorobenzene	20.0	18.85		ug/L		94	85 - 120
1,4-Dichlorobenzene	20.0	18.47		ug/L		92	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	20.33		ug/L		102	36 - 131
1,1-Dichloroethane	20.0	19.10		ug/L		96	81 - 120

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 620-28140/4

Matrix: Water

Analysis Batch: 28140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,2-Dichloroethane	20.0	18.69		ug/L		93	82 - 116
1,1-Dichloroethane	20.0	18.14		ug/L		91	83 - 120
cis-1,2-Dichloroethane	20.0	19.19		ug/L		96	81 - 124
trans-1,2-Dichloroethane	20.0	18.60		ug/L		93	81 - 127
1,2-Dichloropropane	20.0	18.85		ug/L		94	76 - 132
1,3-Dichloropropane	20.0	18.15		ug/L		91	74 - 122
2,2-Dichloropropane	20.0	17.78		ug/L		89	77 - 130
1,1-Dichloropropene	20.0	18.48		ug/L		92	81 - 115
cis-1,3-Dichloropropene	20.0	18.09		ug/L		90	74 - 129
trans-1,3-Dichloropropene	20.0	18.28		ug/L		91	78 - 126
Ethylbenzene	20.0	18.54		ug/L		93	89 - 117
Hexachlorobutadiene	20.0	16.82		ug/L		84	77 - 118
2-Hexanone (MBK)	20.0	16.51		ug/L		83	37 - 123
Isopropylbenzene	20.0	18.29		ug/L		91	83 - 117
4-Isopropyltoluene	20.0	18.00		ug/L		90	83 - 124
Methyl tert-butyl ether	20.0	17.94		ug/L		90	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	16.91		ug/L		85	59 - 118
Methylene Chloride	20.0	18.30		ug/L		91	75 - 121
Naphthalene	20.0	18.09		ug/L		90	67 - 123
N-Propylbenzene	20.0	17.43		ug/L		87	84 - 128
Styrene	20.0	18.65		ug/L		93	78 - 127
1,1,1,2-Tetrachloroethane	20.0	17.86	*	ug/L		89	91 - 118
1,1,2,2-Tetrachloroethane	20.0	17.83		ug/L		89	77 - 129
Tetrachloroethene	20.0	18.27		ug/L		91	85 - 116
Toluene	20.0	18.31		ug/L		92	88 - 109
1,2,3-Trichlorobenzene	20.0	20.75		ug/L		104	67 - 134
1,2,4-Trichlorobenzene	20.0	19.65		ug/L		98	78 - 133
1,3,5-Trichlorobenzene	20.0	18.50		ug/L		93	77 - 127
1,1,1-Trichloroethane	20.0	18.48		ug/L		92	83 - 124
1,1,2-Trichloroethane	20.0	18.13		ug/L		91	84 - 132
Trichloroethene	20.0	18.77		ug/L		94	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	18.04		ug/L		90	82 - 126
1,2,3-Trichloropropane	20.0	17.83		ug/L		89	77 - 124
1,2,4-Trimethylbenzene	20.0	18.55		ug/L		93	89 - 126
1,3,5-Trimethylbenzene	20.0	18.56		ug/L		93	89 - 125
Vinyl chloride	20.0	25.06		ug/L		125	62 - 130
m-Xylene & p-Xylene	20.0	18.53		ug/L		93	85 - 123
o-Xylene	20.0	18.53		ug/L		93	85 - 119
Tetrahydrofuran	20.0	17.23		ug/L		86	60 - 133
Ethyl ether	20.0	18.91		ug/L		95	69 - 122
Tert-amyl methyl ether	20.0	18.06		ug/L		90	50 - 140
Ethyl tert-butyl ether	20.0	18.14		ug/L		91	60 - 131
di-Isopropyl ether	20.0	18.84		ug/L		94	67 - 125
tert-Butanol	200	168.7		ug/L		84	50 - 169
1,4-Dioxane	200	160.7		ug/L		80	28 - 150
trans-1,4-Dichloro-2-butene	20.0	17.18		ug/L		86	48 - 153
Ethanol	400	363.6		ug/L		91	47 - 170

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 620-28140/4

Matrix: Water

Analysis Batch: 28140

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)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

Lab Sample ID: LCSD 620-28140/5

Matrix: Water

Analysis Batch: 28140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	17.84		ug/L		89	85 - 124	2	20
Acetone	20.0	16.29		ug/L		81	14 - 133	3	20
Acrylonitrile	20.0	17.82		ug/L		89	62 - 134	4	20
Benzene	20.0	18.04		ug/L		90	86 - 111	3	20
Bromobenzene	20.0	17.91		ug/L		90	82 - 120	4	20
Bromochloromethane	20.0	18.52		ug/L		93	83 - 123	3	20
Bromodichloromethane	20.0	17.39		ug/L		87	83 - 137	1	20
Bromoform	20.0	16.40	*-	ug/L		82	91 - 137	3	20
Bromomethane	20.0	14.84		ug/L		74	29 - 148	8	20
2-Butanone (MEK)	20.0	15.16		ug/L		76	10 - 200	2	20
n-Butylbenzene	20.0	17.43		ug/L		87	85 - 138	2	20
sec-Butylbenzene	20.0	17.23		ug/L		86	75 - 118	3	20
tert-Butylbenzene	20.0	17.90		ug/L		90	85 - 122	1	20
Carbon disulfide	20.0	16.57		ug/L		83	69 - 150	3	20
Carbon tetrachloride	20.0	17.48		ug/L		87	84 - 123	3	20
Chlorobenzene	20.0	18.04	*-	ug/L		90	93 - 115	3	20
Chloroethane	20.0	15.78		ug/L		79	56 - 155	2	20
Chloroform	20.0	16.49	*-	ug/L		82	84 - 116	4	20
Chloromethane	20.0	15.29		ug/L		76	45 - 138	4	20
2-Chlorotoluene	20.0	18.02		ug/L		90	88 - 116	2	20
4-Chlorotoluene	20.0	17.92		ug/L		90	81 - 128	4	20
1,2-Dibromo-3-Chloropropane	20.0	15.33		ug/L		77	70 - 139	5	20
Dibromochloromethane	20.0	17.35		ug/L		87	83 - 132	1	20
1,2-Dibromoethane (EDB)	20.0	17.98		ug/L		90	82 - 125	3	20
Dibromomethane	20.0	18.34		ug/L		92	80 - 125	2	20
1,2-Dichlorobenzene	20.0	18.07		ug/L		90	84 - 128	3	20
1,3-Dichlorobenzene	20.0	18.24		ug/L		91	85 - 120	3	20
1,4-Dichlorobenzene	20.0	17.74		ug/L		89	86 - 116	4	20
Dichlorodifluoromethane (Freon 12)	20.0	19.77		ug/L		99	36 - 131	3	20
1,1-Dichloroethane	20.0	18.37		ug/L		92	81 - 120	4	20
1,2-Dichloroethane	20.0	18.12		ug/L		91	82 - 116	3	20
1,1-Dichloroethene	20.0	17.54		ug/L		88	83 - 120	3	20
cis-1,2-Dichloroethene	20.0	18.74		ug/L		94	81 - 124	2	20
trans-1,2-Dichloroethene	20.0	18.10		ug/L		90	81 - 127	3	20
1,2-Dichloropropane	20.0	18.34		ug/L		92	76 - 132	3	20
1,3-Dichloropropane	20.0	17.80		ug/L		89	74 - 122	2	20
2,2-Dichloropropane	20.0	17.12		ug/L		86	77 - 130	4	20

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 620-28140/5

Matrix: Water

Analysis Batch: 28140

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	18.01		ug/L		90	81 - 115	3	20
cis-1,3-Dichloropropene	20.0	17.60		ug/L		88	74 - 129	3	20
trans-1,3-Dichloropropene	20.0	17.74		ug/L		89	78 - 126	3	20
Ethylbenzene	20.0	17.99		ug/L		90	89 - 117	3	20
Hexachlorobutadiene	20.0	16.41		ug/L		82	77 - 118	2	20
2-Hexanone (MBK)	20.0	16.45		ug/L		82	37 - 123	0	20
Isopropylbenzene	20.0	17.81		ug/L		89	83 - 117	3	20
4-Isopropyltoluene	20.0	17.33		ug/L		87	83 - 124	4	20
Methyl tert-butyl ether	20.0	17.46		ug/L		87	70 - 126	3	20
4-Methyl-2-pentanone (MIBK)	20.0	16.48		ug/L		82	59 - 118	3	20
Methylene Chloride	20.0	17.61		ug/L		88	75 - 121	4	20
Naphthalene	20.0	17.61		ug/L		88	67 - 123	3	20
N-Propylbenzene	20.0	19.01		ug/L		95	84 - 128	9	20
Styrene	20.0	18.00		ug/L		90	78 - 127	4	20
1,1,1,2-Tetrachloroethane	20.0	17.47	*-	ug/L		87	91 - 118	2	20
1,1,2,2-Tetrachloroethane	20.0	17.24		ug/L		86	77 - 129	3	20
Tetrachloroethene	20.0	17.87		ug/L		89	85 - 116	2	20
Toluene	20.0	17.70		ug/L		89	88 - 109	3	20
1,2,3-Trichlorobenzene	20.0	20.05		ug/L		100	67 - 134	3	20
1,2,4-Trichlorobenzene	20.0	19.16		ug/L		96	78 - 133	3	20
1,3,5-Trichlorobenzene	20.0	17.91		ug/L		90	77 - 127	3	20
1,1,1-Trichloroethane	20.0	17.84		ug/L		89	83 - 124	4	20
1,1,2-Trichloroethane	20.0	17.88		ug/L		89	84 - 132	1	20
Trichloroethene	20.0	18.00		ug/L		90	74 - 118	4	20
Trichlorofluoromethane (Freon 11)	20.0	17.48		ug/L		87	82 - 126	3	20
1,2,3-Trichloropropane	20.0	17.18		ug/L		86	77 - 124	4	20
1,2,4-Trimethylbenzene	20.0	18.01		ug/L		90	89 - 126	3	20
1,3,5-Trimethylbenzene	20.0	17.86		ug/L		89	89 - 125	4	20
Vinyl chloride	20.0	23.85		ug/L		119	62 - 130	5	20
m-Xylene & p-Xylene	20.0	18.11		ug/L		91	85 - 123	2	20
o-Xylene	20.0	18.04		ug/L		90	85 - 119	3	20
Tetrahydrofuran	20.0	16.90		ug/L		85	60 - 133	2	20
Ethyl ether	20.0	18.00		ug/L		90	69 - 122	5	20
Tert-amyl methyl ether	20.0	17.59		ug/L		88	50 - 140	3	20
Ethyl tert-butyl ether	20.0	17.81		ug/L		89	60 - 131	2	20
di-Isopropyl ether	20.0	18.25		ug/L		91	67 - 125	3	20
tert-Butanol	200	162.3		ug/L		81	50 - 169	4	20
1,4-Dioxane	200	149.6		ug/L		75	28 - 150	7	20
trans-1,4-Dichloro-2-butene	20.0	16.54		ug/L		83	48 - 153	4	20
Ethanol	400	377.5		ug/L		94	47 - 170	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 620-28206/7

Matrix: Water

Analysis Batch: 28206

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Naphthalene	ND		2.00	ug/L			10/24/23 20:04	1
N-Propylbenzene	ND		1.00	ug/L			10/24/23 20:04	1
Styrene	ND		1.00	ug/L			10/24/23 20:04	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			10/24/23 20:04	1
1,1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			10/24/23 20:04	1
Tetrachloroethene	ND		1.00	ug/L			10/24/23 20:04	1
Toluene	ND		1.00	ug/L			10/24/23 20:04	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			10/24/23 20:04	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			10/24/23 20:04	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			10/24/23 20:04	1
1,1,1-Trichloroethane	ND		1.00	ug/L			10/24/23 20:04	1
1,1,2-Trichloroethane	ND		1.00	ug/L			10/24/23 20:04	1
Trichloroethene	ND		1.00	ug/L			10/24/23 20:04	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			10/24/23 20:04	1
1,2,3-Trichloropropane	ND		1.00	ug/L			10/24/23 20:04	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			10/24/23 20:04	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			10/24/23 20:04	1
Vinyl chloride	ND		1.00	ug/L			10/24/23 20:04	1
m-Xylene & p-Xylene	ND		1.00	ug/L			10/24/23 20:04	1
o-Xylene	ND		1.00	ug/L			10/24/23 20:04	1
Tetrahydrofuran	ND		2.00	ug/L			10/24/23 20:04	1
Ethyl ether	ND		1.00	ug/L			10/24/23 20:04	1
Tert-amyl methyl ether	ND		1.00	ug/L			10/24/23 20:04	1
Ethyl tert-butyl ether	ND		1.00	ug/L			10/24/23 20:04	1
di-Isopropyl ether	ND		1.00	ug/L			10/24/23 20:04	1
tert-Butanol	ND		10.0	ug/L			10/24/23 20:04	1
1,4-Dioxane	ND		50.0	ug/L			10/24/23 20:04	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			10/24/23 20:04	1
Ethanol	ND		200	ug/L			10/24/23 20:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		70 - 130		10/24/23 20:04	1
Toluene-d8 (Surr)	99		70 - 130		10/24/23 20:04	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		10/24/23 20:04	1
Dibromofluoromethane (Surr)	99		70 - 130		10/24/23 20:04	1

Lab Sample ID: LCS 620-28206/4

Matrix: Water

Analysis Batch: 28206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	20.0	17.70		ug/L		89	14 - 133
Acrylonitrile	20.0	19.31		ug/L		97	62 - 134
Benzene	20.0	19.36		ug/L		97	86 - 111
Bromobenzene	20.0	19.32		ug/L		97	82 - 120
Bromochloromethane	20.0	20.07		ug/L		100	83 - 123
Bromodichloromethane	20.0	18.63		ug/L		93	83 - 137

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 620-28206/4

Matrix: Water

Analysis Batch: 28206

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	17.29	*-	ug/L		86	91 - 137
Bromomethane	20.0	23.08		ug/L		115	29 - 148
2-Butanone (MEK)	20.0	15.03		ug/L		75	10 - 200
n-Butylbenzene	20.0	18.72		ug/L		94	85 - 138
sec-Butylbenzene	20.0	18.22		ug/L		91	75 - 118
tert-Butylbenzene	20.0	18.42		ug/L		92	85 - 122
Carbon disulfide	20.0	18.62		ug/L		93	69 - 150
Carbon tetrachloride	20.0	18.59		ug/L		93	84 - 123
Chlorobenzene	20.0	19.28		ug/L		96	93 - 115
Chloroethane	20.0	22.36		ug/L		112	56 - 155
Chloroform	20.0	18.12		ug/L		91	84 - 116
Chloromethane	20.0	22.56		ug/L		113	45 - 138
2-Chlorotoluene	20.0	19.03		ug/L		95	88 - 116
4-Chlorotoluene	20.0	19.20		ug/L		96	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	16.21		ug/L		81	70 - 139
Dibromochloromethane	20.0	18.26		ug/L		91	83 - 132
1,2-Dibromoethane (EDB)	20.0	19.02		ug/L		95	82 - 125
Dibromomethane	20.0	19.79		ug/L		99	80 - 125
1,2-Dichlorobenzene	20.0	19.42		ug/L		97	84 - 128
1,3-Dichlorobenzene	20.0	19.30		ug/L		96	85 - 120
1,4-Dichlorobenzene	20.0	19.12		ug/L		96	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	25.25		ug/L		126	36 - 131
1,1-Dichloroethane	20.0	20.29		ug/L		101	81 - 120
1,2-Dichloroethane	20.0	20.11		ug/L		101	82 - 116
1,1-Dichloroethene	20.0	19.06		ug/L		95	83 - 120
cis-1,2-Dichloroethene	20.0	20.10		ug/L		101	81 - 124
trans-1,2-Dichloroethene	20.0	19.40		ug/L		97	81 - 127
1,2-Dichloropropane	20.0	19.61		ug/L		98	76 - 132
1,3-Dichloropropane	20.0	18.94		ug/L		95	74 - 122
2,2-Dichloropropane	20.0	18.84		ug/L		94	77 - 130
1,1-Dichloropropene	20.0	19.17		ug/L		96	81 - 115
cis-1,3-Dichloropropene	20.0	18.72		ug/L		94	74 - 129
trans-1,3-Dichloropropene	20.0	18.60		ug/L		93	78 - 126
Ethylbenzene	20.0	18.92		ug/L		95	89 - 117
Hexachlorobutadiene	20.0	17.99		ug/L		90	77 - 118
2-Hexanone (MBK)	20.0	16.73		ug/L		84	37 - 123
Isopropylbenzene	20.0	18.51		ug/L		93	83 - 117
4-Isopropyltoluene	20.0	18.82		ug/L		94	83 - 124
Methyl tert-butyl ether	20.0	18.86		ug/L		94	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	17.29		ug/L		86	59 - 118
Methylene Chloride	20.0	19.38		ug/L		97	75 - 121
Naphthalene	20.0	17.62		ug/L		88	67 - 123
N-Propylbenzene	20.0	20.21		ug/L		101	84 - 128
Styrene	20.0	19.04		ug/L		95	78 - 127
1,1,1,2-Tetrachloroethane	20.0	19.02		ug/L		95	91 - 118
1,1,1,2,2-Tetrachloroethane	20.0	18.38		ug/L		92	77 - 129
Tetrachloroethene	20.0	18.58		ug/L		93	85 - 116
Toluene	20.0	18.97		ug/L		95	88 - 109

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 620-28206/4

Matrix: Water

Analysis Batch: 28206

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,2,3-Trichlorobenzene	20.0	21.29		ug/L		106	67 - 134
1,2,4-Trichlorobenzene	20.0	20.36		ug/L		102	78 - 133
1,3,5-Trichlorobenzene	20.0	19.69		ug/L		98	77 - 127
1,1,1-Trichloroethane	20.0	19.14		ug/L		96	83 - 124
1,1,2-Trichloroethane	20.0	18.97		ug/L		95	84 - 132
Trichloroethene	20.0	19.51		ug/L		98	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	19.71		ug/L		99	82 - 126
1,2,3-Trichloropropane	20.0	18.43		ug/L		92	77 - 124
1,2,4-Trimethylbenzene	20.0	19.37		ug/L		97	89 - 126
1,3,5-Trimethylbenzene	20.0	19.30		ug/L		96	89 - 125
Vinyl chloride	20.0	28.23	*+	ug/L		141	62 - 130
m-Xylene & p-Xylene	20.0	19.00		ug/L		95	85 - 123
o-Xylene	20.0	19.28		ug/L		96	85 - 119
Tetrahydrofuran	20.0	18.19		ug/L		91	60 - 133
Ethyl ether	20.0	20.40		ug/L		102	69 - 122
Tert-amyl methyl ether	20.0	18.89		ug/L		94	50 - 140
Ethyl tert-butyl ether	20.0	19.20		ug/L		96	60 - 131
di-Isopropyl ether	20.0	20.28		ug/L		101	67 - 125
tert-Butanol	200	155.0		ug/L		77	50 - 169
1,4-Dioxane	200	159.1		ug/L		80	28 - 150
trans-1,4-Dichloro-2-butene	20.0	17.72		ug/L		89	48 - 153
Ethanol	400	411.9		ug/L		103	47 - 170

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130

Lab Sample ID: LCSD 620-28206/5

Matrix: Water

Analysis Batch: 28206

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	18.89		ug/L		94	85 - 124	1	20
Acetone	20.0	17.95		ug/L		90	14 - 133	1	20
Acrylonitrile	20.0	18.82		ug/L		94	62 - 134	3	20
Benzene	20.0	19.01		ug/L		95	86 - 111	2	20
Bromobenzene	20.0	18.87		ug/L		94	82 - 120	2	20
Bromochloromethane	20.0	19.57		ug/L		98	83 - 123	3	20
Bromodichloromethane	20.0	18.63		ug/L		93	83 - 137	0	20
Bromoform	20.0	17.18	*-	ug/L		86	91 - 137	1	20
Bromomethane	20.0	21.26		ug/L		106	29 - 148	8	20
2-Butanone (MEK)	20.0	17.23		ug/L		86	10 - 200	14	20
n-Butylbenzene	20.0	18.55		ug/L		93	85 - 138	1	20
sec-Butylbenzene	20.0	17.90		ug/L		90	75 - 118	2	20
tert-Butylbenzene	20.0	18.03		ug/L		90	85 - 122	2	20

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 620-28206/5

Matrix: Water

Analysis Batch: 28206

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	18.26		ug/L		91	69 - 150	2	20
Carbon tetrachloride	20.0	18.44		ug/L		92	84 - 123	1	20
Chlorobenzene	20.0	18.82		ug/L		94	93 - 115	2	20
Chloroethane	20.0	21.67		ug/L		108	56 - 155	3	20
Chloroform	20.0	17.88		ug/L		89	84 - 116	1	20
Chloromethane	20.0	22.26		ug/L		111	45 - 138	1	20
2-Chlorotoluene	20.0	18.76		ug/L		94	88 - 116	1	20
4-Chlorotoluene	20.0	18.83		ug/L		94	81 - 128	2	20
1,2-Dibromo-3-Chloropropane	20.0	16.14		ug/L		81	70 - 139	0	20
Dibromochloromethane	20.0	18.03		ug/L		90	83 - 132	1	20
1,2-Dibromoethane (EDB)	20.0	18.79		ug/L		94	82 - 125	1	20
Dibromomethane	20.0	19.02		ug/L		95	80 - 125	4	20
1,2-Dichlorobenzene	20.0	19.19		ug/L		96	84 - 128	1	20
1,3-Dichlorobenzene	20.0	19.02		ug/L		95	85 - 120	1	20
1,4-Dichlorobenzene	20.0	19.02		ug/L		95	86 - 116	1	20
Dichlorodifluoromethane (Freon 12)	20.0	24.52		ug/L		123	36 - 131	3	20
1,1-Dichloroethane	20.0	19.82		ug/L		99	81 - 120	2	20
1,2-Dichloroethane	20.0	19.89		ug/L		99	82 - 116	1	20
1,1-Dichloroethene	20.0	18.91		ug/L		95	83 - 120	1	20
cis-1,2-Dichloroethene	20.0	19.57		ug/L		98	81 - 124	3	20
trans-1,2-Dichloroethene	20.0	19.22		ug/L		96	81 - 127	1	20
1,2-Dichloropropane	20.0	19.43		ug/L		97	76 - 132	1	20
1,3-Dichloropropane	20.0	19.05		ug/L		95	74 - 122	1	20
2,2-Dichloropropane	20.0	18.23		ug/L		91	77 - 130	3	20
1,1-Dichloropropene	20.0	18.74		ug/L		94	81 - 115	2	20
cis-1,3-Dichloropropene	20.0	18.53		ug/L		93	74 - 129	1	20
trans-1,3-Dichloropropene	20.0	18.64		ug/L		93	78 - 126	0	20
Ethylbenzene	20.0	18.72		ug/L		94	89 - 117	1	20
Hexachlorobutadiene	20.0	18.04		ug/L		90	77 - 118	0	20
2-Hexanone (MBK)	20.0	16.57		ug/L		83	37 - 123	1	20
Isopropylbenzene	20.0	18.30		ug/L		91	83 - 117	1	20
4-Isopropyltoluene	20.0	18.53		ug/L		93	83 - 124	2	20
Methyl tert-butyl ether	20.0	18.69		ug/L		93	70 - 126	1	20
4-Methyl-2-pentanone (MIBK)	20.0	17.05		ug/L		85	59 - 118	1	20
Methylene Chloride	20.0	18.28		ug/L		91	75 - 121	6	20
Naphthalene	20.0	17.17		ug/L		86	67 - 123	3	20
N-Propylbenzene	20.0	19.71		ug/L		99	84 - 128	2	20
Styrene	20.0	18.78		ug/L		94	78 - 127	1	20
1,1,1,2-Tetrachloroethane	20.0	18.61		ug/L		93	91 - 118	2	20
1,1,1,2,2-Tetrachloroethane	20.0	18.00		ug/L		90	77 - 129	2	20
Tetrachloroethene	20.0	18.34		ug/L		92	85 - 116	1	20
Toluene	20.0	18.76		ug/L		94	88 - 109	1	20
1,2,3-Trichlorobenzene	20.0	21.00		ug/L		105	67 - 134	1	20
1,2,4-Trichlorobenzene	20.0	20.00		ug/L		100	78 - 133	2	20
1,3,5-Trichlorobenzene	20.0	19.59		ug/L		98	77 - 127	1	20
1,1,1-Trichloroethane	20.0	19.04		ug/L		95	83 - 124	1	20
1,1,2-Trichloroethane	20.0	18.61		ug/L		93	84 - 132	2	20
Trichloroethene	20.0	19.10		ug/L		96	74 - 118	2	20

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 620-28206/5
Matrix: Water
Analysis Batch: 28206

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	19.41		ug/L		97	82 - 126	2	20
1,2,3-Trichloropropane	20.0	18.38		ug/L		92	77 - 124	0	20
1,2,4-Trimethylbenzene	20.0	18.98		ug/L		95	89 - 126	2	20
1,3,5-Trimethylbenzene	20.0	18.94		ug/L		95	89 - 125	2	20
Vinyl chloride	20.0	31.48	*+	ug/L		157	62 - 130	11	20
m-Xylene & p-Xylene	20.0	18.68		ug/L		93	85 - 123	2	20
o-Xylene	20.0	19.03		ug/L		95	85 - 119	1	20
Tetrahydrofuran	20.0	17.88		ug/L		89	60 - 133	2	20
Ethyl ether	20.0	19.86		ug/L		99	69 - 122	3	20
Tert-amyl methyl ether	20.0	18.59		ug/L		93	50 - 140	2	20
Ethyl tert-butyl ether	20.0	18.88		ug/L		94	60 - 131	2	20
di-Isopropyl ether	20.0	19.96		ug/L		100	67 - 125	2	20
tert-Butanol	200	143.9		ug/L		72	50 - 169	7	20
1,4-Dioxane	200	160.2		ug/L		80	28 - 150	1	20
trans-1,4-Dichloro-2-butene	20.0	17.10		ug/L		86	48 - 153	4	20
Ethanol	400	408.7		ug/L		102	47 - 170	1	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-440214/5
Matrix: Water
Analysis Batch: 440214

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

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	ND		1.50	mg/L			11/06/23 12:39	1

Lab Sample ID: LCS 410-440214/3
Matrix: Water
Analysis Batch: 440214

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	2.771		mg/L		92	90 - 110

Lab Sample ID: LCSD 410-440214/4
Matrix: Water
Analysis Batch: 440214

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	2.758		mg/L		92	90 - 110	0	20

QC Sample Results

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

Job ID: 620-14578-1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 410-440734/5
Matrix: Water
Analysis Batch: 440734

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			11/07/23 18:16	1

Lab Sample ID: LCS 410-440734/3
Matrix: Water
Analysis Batch: 440734

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	2.765		mg/L		92	90 - 110

Lab Sample ID: LCSD 410-440734/4
Matrix: Water
Analysis Batch: 440734

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	2.762		mg/L		92	90 - 110	0	20

Lab Sample ID: 620-14578-10 MS
Matrix: Water
Analysis Batch: 440734

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	38.4		20.0	59.06		mg/L		103	90 - 110

Lab Sample ID: 620-14578-10 DU
Matrix: Water
Analysis Batch: 440734

Client Sample ID: MW-3D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	38.4		38.17		mg/L		0.6	15

Lab Sample ID: MB 410-440740/5
Matrix: Water
Analysis Batch: 440740

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			11/08/23 04:14	1

Lab Sample ID: LCS 410-440740/3
Matrix: Water
Analysis Batch: 440740

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	2.749		mg/L		92	90 - 110

Lab Sample ID: LCSD 410-440740/4
Matrix: Water
Analysis Batch: 440740

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	2.755		mg/L		92	90 - 110	0	20

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-434108/1-A
Matrix: Water
Analysis Batch: 435692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 434108

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
NMeFOSAA	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorobutanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorodecanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorododecanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluoroheptanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorohexanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorononanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorooctanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluoropentanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluorotridecanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Perfluoroundecanoic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
6:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
8:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		10/21/23 08:00	10/26/23 00:01	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	80		35 - 200			10/21/23 08:00	10/26/23 00:01	1
M2-6:2 FTS	76		40 - 200			10/21/23 08:00	10/26/23 00:01	1
M2-8:2 FTS	90		37 - 200			10/21/23 08:00	10/26/23 00:01	1
13C2 PFTeDA	90		10 - 171			10/21/23 08:00	10/26/23 00:01	1
13C3 PFBS	95		34 - 200			10/21/23 08:00	10/26/23 00:01	1
13C4 PFBA	81		22 - 174			10/21/23 08:00	10/26/23 00:01	1
13C4 PFHpA	89		40 - 165			10/21/23 08:00	10/26/23 00:01	1
13C5 PFPeA	86		33 - 196			10/21/23 08:00	10/26/23 00:01	1
13C8 PFOA	86		52 - 153			10/21/23 08:00	10/26/23 00:01	1
13C8 PFOS	88		59 - 155			10/21/23 08:00	10/26/23 00:01	1
d3-NMeFOSAA	103		38 - 168			10/21/23 08:00	10/26/23 00:01	1
d5-NETFOSAA	98		34 - 181			10/21/23 08:00	10/26/23 00:01	1
13C3 PFHxS	97		48 - 169			10/21/23 08:00	10/26/23 00:01	1
13C5 PFHxA	87		28 - 166			10/21/23 08:00	10/26/23 00:01	1
13C6 PFDA	88		53 - 151			10/21/23 08:00	10/26/23 00:01	1
13C7 PFUnA	82		41 - 163			10/21/23 08:00	10/26/23 00:01	1
13C8 FOSA	88		10 - 155			10/21/23 08:00	10/26/23 00:01	1
13C2-PFDoDA	86		22 - 165			10/21/23 08:00	10/26/23 00:01	1
13C9 PFNA	82		52 - 168			10/21/23 08:00	10/26/23 00:01	1

QC Sample Results

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

Job ID: 620-14578-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-434108/2-A

Matrix: Water

Analysis Batch: 435692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 434108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NETFOSAA	25.6	21.42		ng/L		84	63 - 130
NMeFOSAA	25.6	20.75		ng/L		81	62 - 131
Perfluorobutanesulfonic acid	22.7	20.78		ng/L		92	64 - 132
Perfluorobutanoic acid	25.6	22.37		ng/L		87	58 - 130
Perfluorodecanesulfonic acid	24.7	24.14		ng/L		98	55 - 130
Perfluorodecanoic acid	25.6	26.42		ng/L		103	62 - 133
Perfluorododecanoic acid	25.6	24.35		ng/L		95	61 - 132
Perfluoroheptanesulfonic acid	24.4	21.70		ng/L		89	59 - 130
Perfluoroheptanoic acid	25.6	23.92		ng/L		93	64 - 130
Perfluorohexanesulfonic acid	23.3	21.41		ng/L		92	62 - 130
Perfluorohexanoic acid	25.6	22.49		ng/L		88	59 - 130
Perfluorononanesulfonic acid	24.6	24.62		ng/L		100	56 - 130
Perfluorononanoic acid	25.6	23.66		ng/L		92	63 - 133
Perfluorooctanesulfonamide	25.6	24.05		ng/L		94	67 - 132
Perfluorooctanesulfonic acid	23.7	21.99		ng/L		93	62 - 130
Perfluorooctanoic acid	25.6	22.99		ng/L		90	58 - 132
Perfluoropentanesulfonic acid	24.0	23.00		ng/L		96	64 - 132
Perfluoropentanoic acid	25.6	25.33		ng/L		99	60 - 130
Perfluorotetradecanoic acid	25.6	22.62		ng/L		88	62 - 131
Perfluorotridecanoic acid	25.6	25.32		ng/L		99	59 - 136
Perfluoroundecanoic acid	25.6	25.15		ng/L		98	62 - 131
6:2 Fluorotelomer sulfonic acid	24.3	19.10		ng/L		79	61 - 132
8:2 Fluorotelomer sulfonic acid	24.5	20.37		ng/L		83	55 - 134
4:2 Fluorotelomer sulfonic acid	23.9	21.37		ng/L		89	61 - 131

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	87		35 - 200
M2-6:2 FTS	84		40 - 200
M2-8:2 FTS	101		37 - 200
13C2 PFTeDA	108		10 - 171
13C3 PFBS	109		34 - 200
13C4 PFBA	94		22 - 174
13C4 PFHpA	99		40 - 165
13C5 PFPeA	99		33 - 196
13C8 PFOA	97		52 - 153
13C8 PFOS	97		59 - 155
d3-NMeFOSAA	123		38 - 168
d5-NEtFOSAA	118		34 - 181
13C3 PFHxS	109		48 - 169
13C5 PFHxA	95		28 - 166
13C6 PFDA	99		53 - 151
13C7 PFUnA	98		41 - 163
13C8 FOSA	102		10 - 155
13C2-PFDoDA	99		22 - 165
13C9 PFNA	93		52 - 168

QC Sample Results

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

Job ID: 620-14578-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-434108/3-A

Matrix: Water

Analysis Batch: 435692

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 434108

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NETFOSAA	25.6	25.48		ng/L		100	63 - 130	17	30
NMeFOSAA	25.6	25.35		ng/L		99	62 - 131	20	30
Perfluorobutanesulfonic acid	22.7	23.34		ng/L		103	64 - 132	12	30
Perfluorobutanoic acid	25.6	25.92		ng/L		101	58 - 130	15	30
Perfluorodecanesulfonic acid	24.7	27.28		ng/L		111	55 - 130	12	30
Perfluorodecanoic acid	25.6	28.46		ng/L		111	62 - 133	7	30
Perfluorododecanoic acid	25.6	27.36		ng/L		107	61 - 132	12	30
Perfluoroheptanesulfonic acid	24.4	25.25		ng/L		104	59 - 130	15	30
Perfluoroheptanoic acid	25.6	26.60		ng/L		104	64 - 130	11	30
Perfluorohexanesulfonic acid	23.3	24.17		ng/L		104	62 - 130	12	30
Perfluorohexanoic acid	25.6	24.93		ng/L		97	59 - 130	10	30
Perfluorononanesulfonic acid	24.6	27.70		ng/L		113	56 - 130	12	30
Perfluorononanoic acid	25.6	26.52		ng/L		104	63 - 133	11	30
Perfluorooctanesulfonamide	25.6	26.55		ng/L		104	67 - 132	10	30
Perfluorooctanesulfonic acid	23.7	24.56		ng/L		104	62 - 130	11	30
Perfluorooctanoic acid	25.6	26.62		ng/L		104	58 - 132	15	30
Perfluoropentanesulfonic acid	24.0	24.84		ng/L		103	64 - 132	8	30
Perfluoropentanoic acid	25.6	28.39		ng/L		111	60 - 130	11	30
Perfluorotetradecanoic acid	25.6	26.18		ng/L		102	62 - 131	15	30
Perfluorotridecanoic acid	25.6	28.93		ng/L		113	59 - 136	13	30
Perfluoroundecanoic acid	25.6	28.78		ng/L		112	62 - 131	13	30
6:2 Fluorotelomer sulfonic acid	24.3	23.46		ng/L		97	61 - 132	21	30
8:2 Fluorotelomer sulfonic acid	24.5	23.23		ng/L		95	55 - 134	13	30
4:2 Fluorotelomer sulfonic acid	23.9	23.85		ng/L		100	61 - 131	11	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
M2-4:2 FTS	88		35 - 200
M2-6:2 FTS	85		40 - 200
M2-8:2 FTS	94		37 - 200
13C2 PFTeDA	103		10 - 171
13C3 PFBS	113		34 - 200
13C4 PFBA	100		22 - 174
13C4 PFHpA	96		40 - 165
13C5 PFPeA	99		33 - 196
13C8 PFOA	95		52 - 153
13C8 PFOS	95		59 - 155
d3-NMeFOSAA	116		38 - 168
d5-NEtFOSAA	111		34 - 181
13C3 PFHxS	106		48 - 169
13C5 PFHxA	95		28 - 166
13C6 PFDA	97		53 - 151
13C7 PFUnA	95		41 - 163
13C8 FOSA	100		10 - 155
13C2-PFDODA	96		22 - 165
13C9 PFNA	89		52 - 168

QC Sample Results

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

Job ID: 620-14578-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: MB 410-437662/1-A

Matrix: Water

Analysis Batch: 438758

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 437662

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
NMeFOSAA	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorobutanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorodecanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorododecanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluoroheptanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorohexanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorononanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorooctanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluoropentanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluorotridecanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
Perfluoroundecanoic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
6:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
8:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		10/31/23 08:28	11/02/23 23:52	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	89		35 - 200	10/31/23 08:28	11/02/23 23:52	1
M2-6:2 FTS	91		40 - 200	10/31/23 08:28	11/02/23 23:52	1
M2-8:2 FTS	95		37 - 200	10/31/23 08:28	11/02/23 23:52	1
13C2 PFTeDA	102		10 - 171	10/31/23 08:28	11/02/23 23:52	1
13C3 PFBS	100		34 - 200	10/31/23 08:28	11/02/23 23:52	1
13C4 PFBA	64		22 - 174	10/31/23 08:28	11/02/23 23:52	1
13C4 PFHpA	89		40 - 165	10/31/23 08:28	11/02/23 23:52	1
13C5 PFPeA	73		33 - 196	10/31/23 08:28	11/02/23 23:52	1
13C8 PFOA	96		52 - 153	10/31/23 08:28	11/02/23 23:52	1
13C8 PFOS	89		59 - 155	10/31/23 08:28	11/02/23 23:52	1
d3-NMeFOSAA	110		38 - 168	10/31/23 08:28	11/02/23 23:52	1
d5-NEtFOSAA	121		34 - 181	10/31/23 08:28	11/02/23 23:52	1
13C3 PFHxS	97		48 - 169	10/31/23 08:28	11/02/23 23:52	1
13C5 PFHxA	87		28 - 166	10/31/23 08:28	11/02/23 23:52	1
13C6 PFDA	84		53 - 151	10/31/23 08:28	11/02/23 23:52	1
13C7 PFUnA	94		41 - 163	10/31/23 08:28	11/02/23 23:52	1
13C8 FOSA	69		10 - 155	10/31/23 08:28	11/02/23 23:52	1
13C2-PFDODA	99		22 - 165	10/31/23 08:28	11/02/23 23:52	1
13C9 PFNA	89		52 - 168	10/31/23 08:28	11/02/23 23:52	1

QC Sample Results

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

Job ID: 620-14578-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCS 410-437662/2-A

Matrix: Water

Analysis Batch: 438758

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 437662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NETFOSAA	25.6	21.69		ng/L		85	63 - 130
NMeFOSAA	25.6	24.43		ng/L		95	62 - 131
Perfluorobutanesulfonic acid	22.7	24.41		ng/L		108	64 - 132
Perfluorobutanoic acid	25.6	25.13		ng/L		98	58 - 130
Perfluorodecanesulfonic acid	24.7	25.20		ng/L		102	55 - 130
Perfluorodecanoic acid	25.6	28.63		ng/L		112	62 - 133
Perfluorododecanoic acid	25.6	26.66		ng/L		104	61 - 132
Perfluoroheptanesulfonic acid	24.4	24.44		ng/L		100	59 - 130
Perfluoroheptanoic acid	25.6	24.94		ng/L		97	64 - 130
Perfluorohexanesulfonic acid	23.3	23.99		ng/L		103	62 - 130
Perfluorohexanoic acid	25.6	25.37		ng/L		99	59 - 130
Perfluorononanesulfonic acid	24.6	25.22		ng/L		103	56 - 130
Perfluorononanoic acid	25.6	25.31		ng/L		99	63 - 133
Perfluorooctanesulfonamide	25.6	27.93		ng/L		109	67 - 132
Perfluorooctanesulfonic acid	23.7	24.53		ng/L		104	62 - 130
Perfluorooctanoic acid	25.6	24.61		ng/L		96	58 - 132
Perfluoropentanesulfonic acid	24.0	27.50		ng/L		115	64 - 132
Perfluoropentanoic acid	25.6	27.94		ng/L		109	60 - 130
Perfluorotetradecanoic acid	25.6	26.37		ng/L		103	62 - 131
Perfluorotridecanoic acid	25.6	28.27		ng/L		110	59 - 136
Perfluoroundecanoic acid	25.6	27.32		ng/L		107	62 - 131
6:2 Fluorotelomer sulfonic acid	24.3	24.07		ng/L		99	61 - 132
8:2 Fluorotelomer sulfonic acid	24.5	24.28		ng/L		99	55 - 134
4:2 Fluorotelomer sulfonic acid	23.9	21.72		ng/L		91	61 - 131

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	103		35 - 200
M2-6:2 FTS	99		40 - 200
M2-8:2 FTS	106		37 - 200
13C2 PFTeDA	113		10 - 171
13C3 PFBS	105		34 - 200
13C4 PFBA	80		22 - 174
13C4 PFHpA	104		40 - 165
13C5 PFPeA	90		33 - 196
13C8 PFOA	108		52 - 153
13C8 PFOS	102		59 - 155
d3-NMeFOSAA	123		38 - 168
d5-NEtFOSAA	132		34 - 181
13C3 PFHxS	110		48 - 169
13C5 PFHxA	102		28 - 166
13C6 PFDA	101		53 - 151
13C7 PFUnA	107		41 - 163
13C8 FOSA	99		10 - 155
13C2-PFDODA	109		22 - 165
13C9 PFNA	97		52 - 168

QC Sample Results

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

Job ID: 620-14578-1

Method: 537 IDA - EPA 537 Isotope Dilution (Continued)

Lab Sample ID: LCSD 410-437662/3-A

Matrix: Water

Analysis Batch: 438758

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 437662

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
NETFOSAA	25.6	22.97		ng/L		90	63 - 130	6	30	
NMeFOSAA	25.6	22.22		ng/L		87	62 - 131	9	30	
Perfluorobutanesulfonic acid	22.7	23.76		ng/L		105	64 - 132	3	30	
Perfluorobutanoic acid	25.6	24.15		ng/L		94	58 - 130	4	30	
Perfluorodecanesulfonic acid	24.7	25.72		ng/L		104	55 - 130	2	30	
Perfluorodecanoic acid	25.6	27.77		ng/L		108	62 - 133	3	30	
Perfluorododecanoic acid	25.6	26.80		ng/L		105	61 - 132	1	30	
Perfluoroheptanesulfonic acid	24.4	24.98		ng/L		102	59 - 130	2	30	
Perfluoroheptanoic acid	25.6	26.32		ng/L		103	64 - 130	5	30	
Perfluorohexanesulfonic acid	23.3	24.44		ng/L		105	62 - 130	2	30	
Perfluorohexanoic acid	25.6	26.80		ng/L		105	59 - 130	5	30	
Perfluorononanesulfonic acid	24.6	26.04		ng/L		106	56 - 130	3	30	
Perfluorononanoic acid	25.6	25.56		ng/L		100	63 - 133	1	30	
Perfluorooctanesulfonamide	25.6	27.38		ng/L		107	67 - 132	2	30	
Perfluorooctanesulfonic acid	23.7	23.56		ng/L		99	62 - 130	4	30	
Perfluorooctanoic acid	25.6	25.64		ng/L		100	58 - 132	4	30	
Perfluoropentanesulfonic acid	24.0	27.11		ng/L		113	64 - 132	1	30	
Perfluoropentanoic acid	25.6	28.31		ng/L		111	60 - 130	1	30	
Perfluorotetradecanoic acid	25.6	25.28		ng/L		99	62 - 131	4	30	
Perfluorotridecanoic acid	25.6	27.09		ng/L		106	59 - 136	4	30	
Perfluoroundecanoic acid	25.6	25.89		ng/L		101	62 - 131	5	30	
6:2 Fluorotelomer sulfonic acid	24.3	25.41		ng/L		105	61 - 132	5	30	
8:2 Fluorotelomer sulfonic acid	24.5	26.33		ng/L		107	55 - 134	8	30	
4:2 Fluorotelomer sulfonic acid	23.9	26.02		ng/L		109	61 - 131	18	30	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	87		35 - 200
M2-6:2 FTS	93		40 - 200
M2-8:2 FTS	98		37 - 200
13C2 PFTeDA	111		10 - 171
13C3 PFBS	107		34 - 200
13C4 PFBA	87		22 - 174
13C4 PFHpA	97		40 - 165
13C5 PFPeA	90		33 - 196
13C8 PFOA	101		52 - 153
13C8 PFOS	97		59 - 155
d3-NMeFOSAA	129		38 - 168
d5-NEtFOSAA	130		34 - 181
13C3 PFHxS	104		48 - 169
13C5 PFHxA	93		28 - 166
13C6 PFDA	100		53 - 151
13C7 PFUnA	108		41 - 163
13C8 FOSA	97		10 - 155
13C2-PFDODA	106		22 - 165
13C9 PFNA	93		52 - 168

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 410-432927/1-A
Matrix: Drinking Water
Analysis Batch: 433534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432927

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluoroheptanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorooctanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorononanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorodecanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorotridecanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
NEtFOSAA	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
NMeFOSAA	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluoroundecanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1
Perfluorododecanoic acid	ND		2.00	ng/L		10/18/23 16:36	10/20/23 03:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	131	S1+	70 - 130	10/18/23 16:36	10/20/23 03:53	1
13C2 PFHxA	124		70 - 130	10/18/23 16:36	10/20/23 03:53	1
13C3 HFPO-DA	115		70 - 130	10/18/23 16:36	10/20/23 03:53	1
d5-NEtFOSAA	102		70 - 130	10/18/23 16:36	10/20/23 03:53	1

Lab Sample ID: LCS 410-432927/2-A
Matrix: Drinking Water
Analysis Batch: 433534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432927

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	60.0	66.76		ng/L		111	70 - 130
Perfluoroheptanoic acid	60.0	66.32		ng/L		111	70 - 130
Perfluorooctanoic acid	60.0	64.06		ng/L		107	70 - 130
Perfluorononanoic acid	60.0	64.57		ng/L		108	70 - 130
Perfluorodecanoic acid	60.0	59.12		ng/L		99	70 - 130
Perfluorotridecanoic acid	60.0	64.60		ng/L		108	70 - 130
Perfluorotetradecanoic acid	60.0	60.20		ng/L		100	70 - 130
Perfluorobutanesulfonic acid	53.1	57.30		ng/L		108	70 - 130
Perfluorohexanesulfonic acid	54.7	55.38		ng/L		101	70 - 130
Perfluorooctanesulfonic acid	55.5	56.08		ng/L		101	70 - 130
NEtFOSAA	60.0	58.10		ng/L		97	70 - 130
NMeFOSAA	60.0	55.27		ng/L		92	70 - 130
Perfluoroundecanoic acid	60.0	65.35		ng/L		109	70 - 130
Perfluorododecanoic acid	60.0	59.62		ng/L		99	70 - 130
HFPODA	60.0	62.45		ng/L		104	70 - 130
9Cl-PF3ONS	55.8	55.51		ng/L		99	70 - 130
11Cl-PF3OUdS	55.8	58.94		ng/L		106	70 - 130
DONA	56.7	61.02		ng/L		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	124		70 - 130
13C2 PFHxA	127		70 - 130

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-432927/2-A
Matrix: Drinking Water
Analysis Batch: 433534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432927

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	121		70 - 130
d5-NEtFOSAA	117		70 - 130

Lab Sample ID: LCSD 410-432927/3-A
Matrix: Drinking Water
Analysis Batch: 433534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 432927

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	60.0	72.22		ng/L		120	70 - 130	8	30	
Perfluoroheptanoic acid	60.0	70.52		ng/L		118	70 - 130	6	30	
Perfluorooctanoic acid	60.0	70.69		ng/L		118	70 - 130	10	30	
Perfluorononanoic acid	60.0	71.18		ng/L		119	70 - 130	10	30	
Perfluorodecanoic acid	60.0	69.17		ng/L		115	70 - 130	16	30	
Perfluorotridecanoic acid	60.0	70.50		ng/L		118	70 - 130	9	30	
Perfluorotetradecanoic acid	60.0	66.20		ng/L		110	70 - 130	9	30	
Perfluorobutanesulfonic acid	53.1	61.26		ng/L		115	70 - 130	7	30	
Perfluorohexanesulfonic acid	54.7	60.73		ng/L		111	70 - 130	9	30	
Perfluorooctanesulfonic acid	55.5	60.21		ng/L		108	70 - 130	7	30	
NEtFOSAA	60.0	56.69		ng/L		94	70 - 130	2	30	
NMeFOSAA	60.0	56.69		ng/L		94	70 - 130	3	30	
Perfluoroundecanoic acid	60.0	70.33		ng/L		117	70 - 130	7	30	
Perfluorododecanoic acid	60.0	69.02		ng/L		115	70 - 130	15	30	
HFPODA	60.0	66.69		ng/L		111	70 - 130	7	30	
9Cl-PF3ONS	55.8	58.38		ng/L		105	70 - 130	5	30	
11Cl-PF3OUdS	55.8	60.58		ng/L		109	70 - 130	3	30	
DONA	56.7	66.40		ng/L		117	70 - 130	8	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	142	S1+	70 - 130
13C2 PFHxA	131	S1+	70 - 130
13C3 HFPO-DA	123		70 - 130
d5-NEtFOSAA	105		70 - 130

Lab Sample ID: MB 410-432931/1-A
Matrix: Drinking Water
Analysis Batch: 435092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432931

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluoroheptanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorooctanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorononanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorodecanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorotridecanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: MB 410-432931/1-A
Matrix: Drinking Water
Analysis Batch: 435092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432931

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
NEtFOSAA	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
NMeFOSAA	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluoroundecanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1
Perfluorododecanoic acid	ND		2.00	ng/L		10/18/23 16:49	10/24/23 15:05	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	119		70 - 130	10/18/23 16:49	10/24/23 15:05	1
13C2 PFHxA	129		70 - 130	10/18/23 16:49	10/24/23 15:05	1
13C3 HFPO-DA	129		70 - 130	10/18/23 16:49	10/24/23 15:05	1
d5-NEtFOSAA	115		70 - 130	10/18/23 16:49	10/24/23 15:05	1

Lab Sample ID: LCS 410-432931/2-A
Matrix: Drinking Water
Analysis Batch: 433534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432931

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorohexanoic acid	20.5	21.07		ng/L		103	70 - 130
Perfluoroheptanoic acid	20.5	22.15		ng/L		108	70 - 130
Perfluorooctanoic acid	20.5	21.27		ng/L		104	70 - 130
Perfluorononanoic acid	20.5	21.43		ng/L		105	70 - 130
Perfluorodecanoic acid	20.5	22.52		ng/L		110	70 - 130
Perfluorotridecanoic acid	20.5	20.14		ng/L		98	70 - 130
Perfluorotetradecanoic acid	20.5	19.22		ng/L		94	70 - 130
Perfluorobutanesulfonic acid	18.1	18.84		ng/L		104	70 - 130
Perfluorohexanesulfonic acid	18.7	18.78		ng/L		101	70 - 130
Perfluorooctanesulfonic acid	19.0	17.92		ng/L		95	70 - 130
NEtFOSAA	20.5	20.12		ng/L		98	70 - 130
NMeFOSAA	20.5	18.24		ng/L		89	70 - 130
Perfluoroundecanoic acid	20.5	21.38		ng/L		104	70 - 130
Perfluorododecanoic acid	20.5	19.25		ng/L		94	70 - 130
HFPODA	20.5	21.76		ng/L		106	70 - 130
9Cl-PF3ONS	19.0	18.03		ng/L		95	70 - 130
11Cl-PF3OUdS	19.0	17.34		ng/L		91	70 - 130
DONA	19.4	19.26		ng/L		100	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
13C2 PFDA	123		70 - 130
13C2 PFHxA	126		70 - 130
13C3 HFPO-DA	123		70 - 130
d5-NEtFOSAA	110		70 - 130

Lab Sample ID: LCSD 410-432931/3-A
Matrix: Drinking Water
Analysis Batch: 433534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 432931

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Perfluorohexanoic acid	20.5	23.67		ng/L		116	70 - 130	12	30
Perfluoroheptanoic acid	20.5	23.01		ng/L		112	70 - 130	4	30

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 410-432931/3-A
Matrix: Drinking Water
Analysis Batch: 433534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 432931

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorooctanoic acid	20.5	22.41		ng/L		109	70 - 130	5	30	
Perfluorononanoic acid	20.5	23.15		ng/L		113	70 - 130	8	30	
Perfluorodecanoic acid	20.5	23.60		ng/L		115	70 - 130	5	30	
Perfluorotridecanoic acid	20.5	22.97		ng/L		112	70 - 130	13	30	
Perfluorotetradecanoic acid	20.5	21.00		ng/L		103	70 - 130	9	30	
Perfluorobutanesulfonic acid	18.1	18.88		ng/L		104	70 - 130	0	30	
Perfluorohexanesulfonic acid	18.7	18.44		ng/L		99	70 - 130	2	30	
Perfluorooctanesulfonic acid	19.0	19.06		ng/L		101	70 - 130	6	30	
NEtFOSAA	20.5	18.78		ng/L		92	70 - 130	7	30	
NMeFOSAA	20.5	19.68		ng/L		96	70 - 130	8	30	
Perfluoroundecanoic acid	20.5	22.80		ng/L		111	70 - 130	6	30	
Perfluorododecanoic acid	20.5	22.42		ng/L		109	70 - 130	15	30	
HFPODA	20.5	21.72		ng/L		106	70 - 130	0	30	
9Cl-PF3ONS	19.0	17.75		ng/L		93	70 - 130	2	30	
11Cl-PF3OUdS	19.0	18.04		ng/L		95	70 - 130	4	30	
DONA	19.4	21.36		ng/L		110	70 - 130	10	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	122		70 - 130
13C2 PFHxA	128		70 - 130
13C3 HFPO-DA	119		70 - 130
d5-NEtFOSAA	108		70 - 130

Lab Sample ID: MB 410-435541/1-A
Matrix: Drinking Water
Analysis Batch: 436148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435541

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluoroheptanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluoroheptanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorooctanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorononanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorodecanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorotridecanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
NEtFOSAA	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
NMeFOSAA	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluoroundecanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1
Perfluorododecanoic acid	ND		2.00	ng/L		10/25/23 11:17	10/26/23 21:20	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	120		70 - 130	10/25/23 11:17	10/26/23 21:20	1
13C2 PFHxA	120		70 - 130	10/25/23 11:17	10/26/23 21:20	1
13C3 HFPO-DA	112		70 - 130	10/25/23 11:17	10/26/23 21:20	1
d5-NEtFOSAA	109		70 - 130	10/25/23 11:17	10/26/23 21:20	1

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-435541/2-A
Matrix: Drinking Water
Analysis Batch: 436148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	20.5	21.84		ng/L		107	70 - 130
Perfluoroheptanoic acid	20.5	20.59		ng/L		101	70 - 130
Perfluorooctanoic acid	20.5	21.16		ng/L		103	70 - 130
Perfluorononanoic acid	20.5	19.37		ng/L		95	70 - 130
Perfluorodecanoic acid	20.5	20.82		ng/L		102	70 - 130
Perfluorotridecanoic acid	20.5	17.95		ng/L		88	70 - 130
Perfluorotetradecanoic acid	20.5	21.57		ng/L		105	70 - 130
Perfluorobutanesulfonic acid	18.1	19.96		ng/L		110	70 - 130
Perfluorohexanesulfonic acid	18.7	20.39		ng/L		109	70 - 130
Perfluorooctanesulfonic acid	19.0	19.04		ng/L		100	70 - 130
NEtFOSAA	20.5	18.34		ng/L		90	70 - 130
NMeFOSAA	20.5	19.81		ng/L		97	70 - 130
Perfluoroundecanoic acid	20.5	18.19		ng/L		89	70 - 130
Perfluorododecanoic acid	20.5	20.08		ng/L		98	70 - 130
HFPODA	20.5	19.65		ng/L		96	70 - 130
9Cl-PF3ONS	19.0	19.80		ng/L		104	70 - 130
11Cl-PF3OUdS	19.0	19.45		ng/L		102	70 - 130
DONA	19.4	19.03		ng/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	104		70 - 130
13C2 PFHxA	111		70 - 130
13C3 HFPO-DA	107		70 - 130
d5-NEtFOSAA	97		70 - 130

Lab Sample ID: LCSD 410-435541/3-A
Matrix: Drinking Water
Analysis Batch: 436148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 435541

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid	20.5	21.80		ng/L		106	70 - 130	0	30
Perfluoroheptanoic acid	20.5	21.95		ng/L		107	70 - 130	6	30
Perfluorooctanoic acid	20.5	22.06		ng/L		108	70 - 130	4	30
Perfluorononanoic acid	20.5	19.61		ng/L		96	70 - 130	1	30
Perfluorodecanoic acid	20.5	21.34		ng/L		104	70 - 130	2	30
Perfluorotridecanoic acid	20.5	19.26		ng/L		94	70 - 130	7	30
Perfluorotetradecanoic acid	20.5	22.87		ng/L		112	70 - 130	6	30
Perfluorobutanesulfonic acid	18.1	20.52		ng/L		113	70 - 130	3	30
Perfluorohexanesulfonic acid	18.7	21.24		ng/L		114	70 - 130	4	30
Perfluorooctanesulfonic acid	19.0	19.75		ng/L		104	70 - 130	4	30
NEtFOSAA	20.5	17.78		ng/L		87	70 - 130	3	30
NMeFOSAA	20.5	18.19		ng/L		89	70 - 130	9	30
Perfluoroundecanoic acid	20.5	18.97		ng/L		93	70 - 130	4	30
Perfluorododecanoic acid	20.5	20.74		ng/L		101	70 - 130	3	30
HFPODA	20.5	21.19		ng/L		103	70 - 130	8	30
9Cl-PF3ONS	19.0	21.41		ng/L		112	70 - 130	8	30
11Cl-PF3OUdS	19.0	20.77		ng/L		109	70 - 130	7	30
DONA	19.4	20.83		ng/L		108	70 - 130	9	30

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QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 410-435541/3-A
Matrix: Drinking Water
Analysis Batch: 436148

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 435541

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	121		70 - 130
13C2 PFHxA	114		70 - 130
13C3 HFPO-DA	112		70 - 130
d5-NEtFOSAA	100		70 - 130

Lab Sample ID: MB 410-435637/1-A
Matrix: Drinking Water
Analysis Batch: 436148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435637

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluoroheptanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorooctanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorononanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorodecanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorotridecanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
NEtFOSAA	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
NMeFOSAA	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluoroundecanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1
Perfluorododecanoic acid	ND		2.00	ng/L		10/25/23 16:01	10/27/23 06:23	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	109		70 - 130	10/25/23 16:01	10/27/23 06:23	1
13C2 PFHxA	104		70 - 130	10/25/23 16:01	10/27/23 06:23	1
13C3 HFPO-DA	103		70 - 130	10/25/23 16:01	10/27/23 06:23	1
d5-NEtFOSAA	103		70 - 130	10/25/23 16:01	10/27/23 06:23	1

Lab Sample ID: LCS 410-435637/2-A
Matrix: Drinking Water
Analysis Batch: 436148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid	60.0	56.41		ng/L		94	70 - 130
Perfluorooctanoic acid	60.0	59.94		ng/L		100	70 - 130
Perfluorononanoic acid	60.0	56.75		ng/L		95	70 - 130
Perfluorodecanoic acid	60.0	61.63		ng/L		103	70 - 130
Perfluorotridecanoic acid	60.0	51.16		ng/L		85	70 - 130
Perfluorotetradecanoic acid	60.0	56.42		ng/L		94	70 - 130
Perfluorobutanesulfonic acid	53.1	57.48		ng/L		108	70 - 130
Perfluorohexanesulfonic acid	54.7	56.97		ng/L		104	70 - 130
Perfluorooctanesulfonic acid	55.5	56.12		ng/L		101	70 - 130
NEtFOSAA	60.0	57.26		ng/L		95	70 - 130
NMeFOSAA	60.0	60.55		ng/L		101	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-435637/2-A
Matrix: Drinking Water
Analysis Batch: 436148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435637

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Perfluoroundecanoic acid	60.0	61.75		ng/L		103	70 - 130
Perfluorododecanoic acid	60.0	56.64		ng/L		94	70 - 130
HFPODA	60.0	53.61		ng/L		89	70 - 130
9Cl-PF3ONS	55.8	57.46		ng/L		103	70 - 130
11Cl-PF3OUdS	55.8	54.45		ng/L		98	70 - 130
DONA	56.7	52.98		ng/L		93	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
13C2 PFDA	105		70 - 130
13C2 PFHxA	97		70 - 130
13C3 HFPO-DA	97		70 - 130
d5-NEtFOSAA	100		70 - 130

Lab Sample ID: MB 410-435671/1-A
Matrix: Drinking Water
Analysis Batch: 436195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 435671

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluoroheptanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorooctanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorononanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorodecanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorotridecanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
NETFOSAA	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
NMeFOSAA	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluoroundecanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1
Perfluorododecanoic acid	ND		2.00	ng/L		10/25/23 16:58	10/27/23 10:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	109		70 - 130	10/25/23 16:58	10/27/23 10:43	1
13C2 PFHxA	106		70 - 130	10/25/23 16:58	10/27/23 10:43	1
13C3 HFPO-DA	110		70 - 130	10/25/23 16:58	10/27/23 10:43	1
d5-NEtFOSAA	107		70 - 130	10/25/23 16:58	10/27/23 10:43	1

Lab Sample ID: LCS 410-435671/2-A
Matrix: Drinking Water
Analysis Batch: 436195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435671

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Perfluorohexanoic acid	20.5	19.87		ng/L		97	70 - 130
Perfluoroheptanoic acid	20.5	20.70		ng/L		101	70 - 130
Perfluorooctanoic acid	20.5	20.85		ng/L		102	70 - 130
Perfluorononanoic acid	20.5	20.08		ng/L		98	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-435671/2-A
Matrix: Drinking Water
Analysis Batch: 436195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 435671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Perfluorodecanoic acid	20.5	20.15		ng/L		98	70 - 130	
Perfluorotridecanoic acid	20.5	19.63		ng/L		96	70 - 130	
Perfluorotetradecanoic acid	20.5	21.48		ng/L		105	70 - 130	
Perfluorobutanesulfonic acid	18.1	16.68		ng/L		92	70 - 130	
Perfluorohexanesulfonic acid	18.7	17.24		ng/L		92	70 - 130	
Perfluorooctanesulfonic acid	19.0	17.58		ng/L		93	70 - 130	
NEtFOSAA	20.5	20.63		ng/L		101	70 - 130	
NMeFOSAA	20.5	19.89		ng/L		97	70 - 130	
Perfluoroundecanoic acid	20.5	20.39		ng/L		100	70 - 130	
Perfluorododecanoic acid	20.5	19.48		ng/L		95	70 - 130	
HFPODA	20.5	19.51		ng/L		95	70 - 130	
9CI-PF3ONS	19.0	17.73		ng/L		93	70 - 130	
11CI-PF3OUdS	19.0	16.31		ng/L		86	70 - 130	
DONA	19.4	20.04		ng/L		104	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	102		70 - 130
13C2 PFHxA	104		70 - 130
13C3 HFPO-DA	105		70 - 130
d5-NEtFOSAA	104		70 - 130

Lab Sample ID: LCSD 410-435671/3-A
Matrix: Drinking Water
Analysis Batch: 436195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 435671

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits	RPD	RPD	Limit
Perfluorohexanoic acid	20.5	21.18		ng/L		103	70 - 130	6	30	
Perfluoroheptanoic acid	20.5	21.54		ng/L		105	70 - 130	4	30	
Perfluorooctanoic acid	20.5	22.48		ng/L		110	70 - 130	8	30	
Perfluorononanoic acid	20.5	21.14		ng/L		103	70 - 130	5	30	
Perfluorodecanoic acid	20.5	21.61		ng/L		106	70 - 130	7	30	
Perfluorotridecanoic acid	20.5	20.34		ng/L		99	70 - 130	4	30	
Perfluorotetradecanoic acid	20.5	22.81		ng/L		111	70 - 130	6	30	
Perfluorobutanesulfonic acid	18.1	18.59		ng/L		103	70 - 130	11	30	
Perfluorohexanesulfonic acid	18.7	18.74		ng/L		100	70 - 130	8	30	
Perfluorooctanesulfonic acid	19.0	18.78		ng/L		99	70 - 130	7	30	
NEtFOSAA	20.5	20.34		ng/L		99	70 - 130	1	30	
NMeFOSAA	20.5	19.54		ng/L		95	70 - 130	2	30	
Perfluoroundecanoic acid	20.5	21.36		ng/L		104	70 - 130	5	30	
Perfluorododecanoic acid	20.5	20.55		ng/L		100	70 - 130	5	30	
HFPODA	20.5	20.95		ng/L		102	70 - 130	7	30	
9CI-PF3ONS	19.0	18.04		ng/L		95	70 - 130	2	30	
11CI-PF3OUdS	19.0	18.16		ng/L		95	70 - 130	11	30	
DONA	19.4	19.91		ng/L		103	70 - 130	1	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	106		70 - 130
13C2 PFHxA	103		70 - 130

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCSD 410-435671/3-A
Matrix: Drinking Water
Analysis Batch: 436195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 435671

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	106		70 - 130
d5-NEtFOSAA	100		70 - 130

Lab Sample ID: MB 410-442078/1-A
Matrix: Drinking Water
Analysis Batch: 442375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 442078

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluoroheptanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorooctanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorononanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorodecanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorotridecanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
NEtFOSAA	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
NMeFOSAA	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluoroundecanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1
Perfluorododecanoic acid	ND		2.00	ng/L		11/08/23 15:52	11/12/23 04:10	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	113		70 - 130	11/08/23 15:52	11/12/23 04:10	1
13C2 PFHxA	108		70 - 130	11/08/23 15:52	11/12/23 04:10	1
13C3 HFPO-DA	105		70 - 130	11/08/23 15:52	11/12/23 04:10	1
d5-NEtFOSAA	111		70 - 130	11/08/23 15:52	11/12/23 04:10	1

Lab Sample ID: LCS 410-442078/2-A
Matrix: Drinking Water
Analysis Batch: 442375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 442078

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorohexanoic acid	60.0	64.18		ng/L		107	70 - 130
Perfluoroheptanoic acid	60.0	61.90		ng/L		103	70 - 130
Perfluorooctanoic acid	60.0	63.19		ng/L		105	70 - 130
Perfluorononanoic acid	60.0	64.73		ng/L		108	70 - 130
Perfluorodecanoic acid	60.0	64.87		ng/L		108	70 - 130
Perfluorotridecanoic acid	60.0	63.10		ng/L		105	70 - 130
Perfluorotetradecanoic acid	60.0	71.23		ng/L		119	70 - 130
Perfluorobutanesulfonic acid	53.1	61.82		ng/L		116	70 - 130
Perfluorohexanesulfonic acid	54.7	62.54		ng/L		114	70 - 130
Perfluorooctanesulfonic acid	55.5	60.91		ng/L		110	70 - 130
NEtFOSAA	60.0	61.27		ng/L		102	70 - 130
NMeFOSAA	60.0	62.57		ng/L		104	70 - 130
Perfluoroundecanoic acid	60.0	69.67		ng/L		116	70 - 130
Perfluorododecanoic acid	60.0	68.02		ng/L		113	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

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

Lab Sample ID: LCS 410-442078/2-A

Matrix: Drinking Water

Analysis Batch: 442375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 442078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HFPODA	60.0	61.82		ng/L		103	70 - 130
9CI-PF3ONS	55.8	64.85		ng/L		116	70 - 130
11CI-PF3OUdS	55.8	62.33		ng/L		112	70 - 130
DONA	56.7	62.74		ng/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	109		70 - 130
13C2 PFHxA	106		70 - 130
13C3 HFPO-DA	106		70 - 130
d5-NEtFOSAA	108		70 - 130

Lab Sample ID: LCSD 410-442078/3-A

Matrix: Drinking Water

Analysis Batch: 442375

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 442078

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid	60.0	66.18		ng/L		110	70 - 130	3	30
Perfluoroheptanoic acid	60.0	62.54		ng/L		104	70 - 130	1	30
Perfluorooctanoic acid	60.0	68.35		ng/L		114	70 - 130	8	30
Perfluorononanoic acid	60.0	60.92		ng/L		102	70 - 130	6	30
Perfluorodecanoic acid	60.0	67.30		ng/L		112	70 - 130	4	30
Perfluorotridecanoic acid	60.0	63.15		ng/L		105	70 - 130	0	30
Perfluorotetradecanoic acid	60.0	71.36		ng/L		119	70 - 130	0	30
Perfluorobutanesulfonic acid	53.1	65.85		ng/L		124	70 - 130	6	30
Perfluorohexanesulfonic acid	54.7	62.96		ng/L		115	70 - 130	1	30
Perfluorooctanesulfonic acid	55.5	62.51		ng/L		113	70 - 130	3	30
NEtFOSAA	60.0	59.98		ng/L		100	70 - 130	2	30
NMeFOSAA	60.0	61.87		ng/L		103	70 - 130	1	30
Perfluoroundecanoic acid	60.0	66.15		ng/L		110	70 - 130	5	30
Perfluorododecanoic acid	60.0	61.96		ng/L		103	70 - 130	9	30
HFPODA	60.0	61.33		ng/L		102	70 - 130	1	30
9CI-PF3ONS	55.8	65.30		ng/L		117	70 - 130	1	30
11CI-PF3OUdS	55.8	67.97		ng/L		122	70 - 130	9	30
DONA	56.7	62.11		ng/L		110	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFDA	102		70 - 130
13C2 PFHxA	101		70 - 130
13C3 HFPO-DA	100		70 - 130
d5-NEtFOSAA	102		70 - 130

QC Sample Results

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

Job ID: 620-14578-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-27810/1-A
Matrix: Water
Analysis Batch: 27828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27810

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Arsenic	ND		0.00400	mg/L		10/13/23 15:14	10/15/23 12:40	1
Cadmium	ND		0.00250	mg/L		10/13/23 15:14	10/15/23 12:40	1
Chromium	ND		0.00500	mg/L		10/13/23 15:14	10/15/23 12:40	1
Copper	ND		0.00500	mg/L		10/13/23 15:14	10/15/23 12:40	1
Iron	ND		0.0500	mg/L		10/13/23 15:14	10/15/23 12:40	1
Lead	ND		0.00750	mg/L		10/13/23 15:14	10/15/23 12:40	1
Manganese	ND		0.00500	mg/L		10/13/23 15:14	10/15/23 12:40	1
Nickel	ND		0.00500	mg/L		10/13/23 15:14	10/15/23 12:40	1
Sodium	ND		0.750	mg/L		10/13/23 15:14	10/15/23 12:40	1
Zinc	ND		0.0250	mg/L		10/13/23 15:14	10/15/23 12:40	1

Lab Sample ID: LCS 620-27810/2-A
Matrix: Water
Analysis Batch: 27828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	1.25	1.181		mg/L		94	80 - 120
Chromium	1.25	1.163		mg/L		93	80 - 120
Copper	1.25	1.197		mg/L		96	80 - 120
Iron	1.25	1.195		mg/L		96	80 - 120
Lead	1.25	1.179		mg/L		94	80 - 120
Manganese	1.25	1.199		mg/L		96	80 - 120
Nickel	1.25	1.165		mg/L		93	80 - 120
Sodium	3.75	3.591		mg/L		96	80 - 120
Zinc	1.25	1.183		mg/L		95	80 - 120

Lab Sample ID: MB 620-27818/1-A
Matrix: Water
Analysis Batch: 27828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27818

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Arsenic	ND		0.00800	mg/L		10/13/23 16:08	10/15/23 10:14	1
Cadmium	ND		0.00500	mg/L		10/13/23 16:08	10/15/23 10:14	1
Chromium	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:14	1
Copper	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:14	1
Iron	ND		0.100	mg/L		10/13/23 16:08	10/15/23 10:14	1
Lead	ND		0.0150	mg/L		10/13/23 16:08	10/15/23 10:14	1
Manganese	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:14	1
Nickel	ND		0.0100	mg/L		10/13/23 16:08	10/15/23 10:14	1
Sodium	ND		1.50	mg/L		10/13/23 16:08	10/15/23 10:14	1
Zinc	ND		0.0500	mg/L		10/13/23 16:08	10/15/23 10:14	1

Lab Sample ID: LCS 620-27818/2-A
Matrix: Water
Analysis Batch: 27828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 620-27818/2-A
Matrix: Water
Analysis Batch: 27828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Cadmium	2.50	2.386		mg/L		95	80 - 120	
Chromium	2.50	2.328		mg/L		93	80 - 120	
Copper	2.50	2.391		mg/L		96	80 - 120	
Iron	2.50	2.413		mg/L		97	80 - 120	
Lead	2.50	2.364		mg/L		95	80 - 120	
Manganese	2.50	2.391		mg/L		96	80 - 120	
Nickel	2.50	2.341		mg/L		94	80 - 120	
Sodium	7.50	7.212		mg/L		96	80 - 120	
Zinc	2.50	2.392		mg/L		96	80 - 120	

Lab Sample ID: 620-14578-3 MS
Matrix: Water
Analysis Batch: 27828

Client Sample ID: EB101023
Prep Type: Total/NA
Prep Batch: 27818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Arsenic	ND		2.50	2.155		mg/L		86	75 - 125	
Cadmium	ND		2.50	2.164		mg/L		87	75 - 125	
Chromium	ND		2.50	2.100		mg/L		84	75 - 125	
Copper	ND		2.50	2.162		mg/L		86	75 - 125	
Iron	ND		2.50	2.174		mg/L		87	75 - 125	
Lead	ND		2.50	2.148		mg/L		86	75 - 125	
Manganese	ND		2.50	2.172		mg/L		87	75 - 125	
Nickel	ND		2.50	2.117		mg/L		85	75 - 125	
Sodium	ND		7.50	7.526		mg/L		85	75 - 125	
Zinc	ND		2.50	2.172		mg/L		87	75 - 125	

Lab Sample ID: 620-14578-3 MSD
Matrix: Water
Analysis Batch: 27828

Client Sample ID: EB101023
Prep Type: Total/NA
Prep Batch: 27818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	
									Limits		RPD	Limit
Arsenic	ND		2.50	2.419		mg/L		97	75 - 125	12	20	
Cadmium	ND		2.50	2.427		mg/L		97	75 - 125	11	20	
Chromium	ND		2.50	2.368		mg/L		95	75 - 125	12	20	
Copper	ND		2.50	2.440		mg/L		98	75 - 125	12	20	
Iron	ND		2.50	2.434		mg/L		97	75 - 125	11	20	
Lead	ND		2.50	2.403		mg/L		96	75 - 125	11	20	
Manganese	ND		2.50	2.433		mg/L		97	75 - 125	11	20	
Nickel	ND		2.50	2.388		mg/L		96	75 - 125	12	20	
Sodium	ND		7.50	8.403		mg/L		97	75 - 125	11	20	
Zinc	ND		2.50	2.439		mg/L		97	75 - 125	12	20	

Lab Sample ID: 620-14578-3 DU
Matrix: Water
Analysis Batch: 27828

Client Sample ID: EB101023
Prep Type: Total/NA
Prep Batch: 27818

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD	
								RPD	Limit
Arsenic	ND		ND		mg/L		NC	20	
Cadmium	ND		ND		mg/L		NC	20	

Eurofins New England

QC Sample Results

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

Job ID: 620-14578-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 620-14578-3 DU

Client Sample ID: EB101023

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 27828

Prep Batch: 27818

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Chromium	ND		ND		mg/L		NC	20
Copper	ND		ND		mg/L		NC	20
Iron	ND		ND		mg/L		NC	20
Lead	ND		ND		mg/L		NC	20
Manganese	ND		ND		mg/L		NC	20
Nickel	ND		ND		mg/L		NC	20
Sodium	ND		ND		mg/L		NC	20
Zinc	ND		ND		mg/L		NC	20

Method: 410.4 - COD

Lab Sample ID: MB 410-433736/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433736

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chemical Oxygen Demand	ND		75.0	mg/L			10/20/23 07:50	1

Lab Sample ID: LCS 410-433736/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 433736

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chemical Oxygen Demand	500	492.4		mg/L		98	90 - 110

QC Association Summary

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

Job ID: 620-14578-1

GC/MS VOA

Analysis Batch: 28137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-7	MW-3S	Total/NA	Water	8260C	
620-14578-8	MW-3S-FD	Total/NA	Water	8260C	
620-14578-9	MW-2S	Total/NA	Water	8260C	
620-14578-10	MW-3D	Total/NA	Water	8260C	
MB 620-28137/7	Method Blank	Total/NA	Water	8260C	
LCS 620-28137/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-28137/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 28140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	8260C	
MB 620-28140/7	Method Blank	Total/NA	Water	8260C	
LCS 620-28140/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-28140/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 28206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-29	MW-4D	Total/NA	Water	8260C	
620-14578-30	MW-4S	Total/NA	Water	8260C	
620-14578-31	MW-1R	Total/NA	Water	8260C	
MB 620-28206/7	Method Blank	Total/NA	Water	8260C	
LCS 620-28206/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-28206/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 434446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-1	TB101023	Total/NA	Drinking Water	524.2	
620-14578-4	152 Forest Edge Rd-INF	Total/NA	Drinking Water	524.2	
620-14578-5	152 Forest Edge Rd-MID	Total/NA	Drinking Water	524.2	
620-14578-6	152 Forest Edge Rd-EFF	Total/NA	Drinking Water	524.2	
620-14578-11	907 Beecher Hill Rd-INF	Total/NA	Drinking Water	524.2	
620-14578-12	907 Beecher Hill Rd-MID	Total/NA	Drinking Water	524.2	
620-14578-13	907 Beecher Hill Rd-EFF	Total/NA	Drinking Water	524.2	
620-14578-14	56 Forest Edge-INF	Total/NA	Drinking Water	524.2	
620-14578-15	56 Forest Edge-MID	Total/NA	Drinking Water	524.2	
620-14578-16	56 Forest Edge-EFF	Total/NA	Drinking Water	524.2	
620-14578-17	685 Beecher Hill Rd-INF	Total/NA	Drinking Water	524.2	
620-14578-18	685 Beecher Hill Rd-MID	Total/NA	Drinking Water	524.2	
620-14578-19	685 Beecher Hill Rd-EFF	Total/NA	Drinking Water	524.2	
620-14578-20	FB101123	Total/NA	Drinking Water	524.2	
620-14578-21	413 North Road	Total/NA	Drinking Water	524.2	
620-14578-22	182 Forest's Edge	Total/NA	Drinking Water	524.2	
620-14578-23	794 Beecher Rd	Total/NA	Drinking Water	524.2	
620-14578-24	490 North Rd	Total/NA	Drinking Water	524.2	
MB 410-434446/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-434446/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

Analysis Batch: 434447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-25	206 Forest's Edge	Total/NA	Drinking Water	524.2	
620-14578-26	714 Beecher Hill Rd	Total/NA	Drinking Water	524.2	

QC Association Summary

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

Job ID: 620-14578-1

GC/MS VOA (Continued)

Analysis Batch: 434447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-27	455 North Rd	Total/NA	Drinking Water	524.2	
620-14578-28	455 North Rd-FD	Total/NA	Drinking Water	524.2	
MB 410-434447/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-434447/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

HPLC/IC

Analysis Batch: 440214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	EPA 300.0 R2.1	
620-14578-7	MW-3S	Total/NA	Water	EPA 300.0 R2.1	
620-14578-8	MW-3S-FD	Total/NA	Water	EPA 300.0 R2.1	
620-14578-9	MW-2S	Total/NA	Water	EPA 300.0 R2.1	
MB 410-440214/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-440214/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-440214/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 440734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-10	MW-3D	Total/NA	Water	EPA 300.0 R2.1	
MB 410-440734/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-440734/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-440734/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
620-14578-10 MS	MW-3D	Total/NA	Water	EPA 300.0 R2.1	
620-14578-10 DU	MW-3D	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 440740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-29	MW-4D	Total/NA	Water	EPA 300.0 R2.1	
620-14578-30	MW-4S	Total/NA	Water	EPA 300.0 R2.1	
620-14578-31	MW-1R	Total/NA	Water	EPA 300.0 R2.1	
MB 410-440740/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-440740/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-440740/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

LCMS

Prep Batch: 432927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-2	FRB101023	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-4	152 Forest Edge Rd-INF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-5	152 Forest Edge Rd-MID	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-6	152 Forest Edge Rd-EFF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-11	907 Beecher Hill Rd-INF	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-432927/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-432927/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-432927/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Prep Batch: 432931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-22	182 Forest's Edge	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-23	794 Beecher Rd	Total/NA	Drinking Water	537.1 DW Prep	

Eurofins New England

QC Association Summary

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

Job ID: 620-14578-1

LCMS (Continued)

Prep Batch: 432931 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-24	490 North Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-25	206 Forest's Edge	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-26	714 Beecher Hill Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-27	455 North Rd	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-28	455 North Rd-FD	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-432931/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-432931/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-432931/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 433534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-2	FRB101023	Total/NA	Drinking Water	EPA 537.1	432927
620-14578-4	152 Forest Edge Rd-INF	Total/NA	Drinking Water	EPA 537.1	432927
620-14578-5	152 Forest Edge Rd-MID	Total/NA	Drinking Water	EPA 537.1	432927
620-14578-6	152 Forest Edge Rd-EFF	Total/NA	Drinking Water	EPA 537.1	432927
620-14578-11	907 Beecher Hill Rd-INF	Total/NA	Drinking Water	EPA 537.1	432927
620-14578-22	182 Forest's Edge	Total/NA	Drinking Water	EPA 537.1	432931
620-14578-23	794 Beecher Rd	Total/NA	Drinking Water	EPA 537.1	432931
620-14578-24	490 North Rd	Total/NA	Drinking Water	EPA 537.1	432931
620-14578-25	206 Forest's Edge	Total/NA	Drinking Water	EPA 537.1	432931
620-14578-26	714 Beecher Hill Rd	Total/NA	Drinking Water	EPA 537.1	432931
MB 410-432927/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	432927
LCS 410-432927/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	432927
LCS 410-432931/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	432931
LCSD 410-432927/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	432927
LCSD 410-432931/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	432931

Prep Batch: 434108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	SPE	
620-14578-7	MW-3S	Total/NA	Water	SPE	
620-14578-8	MW-3S-FD	Total/NA	Water	SPE	
620-14578-9	MW-2S	Total/NA	Water	SPE	
620-14578-10	MW-3D	Total/NA	Water	SPE	
620-14578-10 - RA	MW-3D	Total/NA	Water	SPE	
620-14578-29	MW-4D	Total/NA	Water	SPE	
620-14578-30 - RA	MW-4S	Total/NA	Water	SPE	
620-14578-30	MW-4S	Total/NA	Water	SPE	
MB 410-434108/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-434108/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-434108/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 435092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-27	455 North Rd	Total/NA	Drinking Water	EPA 537.1	432931
620-14578-28	455 North Rd-FD	Total/NA	Drinking Water	EPA 537.1	432931
MB 410-432931/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	432931

Prep Batch: 435541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-32	FRB101123	Total/NA	Drinking Water	537.1 DW Prep	

QC Association Summary

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

Job ID: 620-14578-1

LCMS (Continued)

Prep Batch: 435541 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-435541/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-435541/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-435541/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Prep Batch: 435637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-2 - RE	FRB101023	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-4 - RE	152 Forest Edge Rd-INF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-5 - RE	152 Forest Edge Rd-MID	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-6 - RE	152 Forest Edge Rd-EFF	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-435637/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-435637/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	

Prep Batch: 435671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-12	907 Beecher Hill Rd-MID	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-13	907 Beecher Hill Rd-EFF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-14	56 Forest Edge-INF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-15	56 Forest Edge-MID	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-16	56 Forest Edge-EFF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-17	685 Beecher Hill Rd-INF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-18	685 Beecher Hill Rd-MID	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-19	685 Beecher Hill Rd-EFF	Total/NA	Drinking Water	537.1 DW Prep	
620-14578-21	413 North Road	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-435671/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-435671/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-435671/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 435692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	537 IDA	434108
620-14578-7	MW-3S	Total/NA	Water	537 IDA	434108
620-14578-8	MW-3S-FD	Total/NA	Water	537 IDA	434108
620-14578-9	MW-2S	Total/NA	Water	537 IDA	434108
620-14578-10	MW-3D	Total/NA	Water	537 IDA	434108
620-14578-29	MW-4D	Total/NA	Water	537 IDA	434108
620-14578-30	MW-4S	Total/NA	Water	537 IDA	434108
MB 410-434108/1-A	Method Blank	Total/NA	Water	537 IDA	434108
LCS 410-434108/2-A	Lab Control Sample	Total/NA	Water	537 IDA	434108
LCSD 410-434108/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	434108

Analysis Batch: 436148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-2 - RE	FRB101023	Total/NA	Drinking Water	EPA 537.1	435637
620-14578-4 - RE	152 Forest Edge Rd-INF	Total/NA	Drinking Water	EPA 537.1	435637
620-14578-5 - RE	152 Forest Edge Rd-MID	Total/NA	Drinking Water	EPA 537.1	435637
620-14578-6 - RE	152 Forest Edge Rd-EFF	Total/NA	Drinking Water	EPA 537.1	435637
620-14578-32	FRB101123	Total/NA	Drinking Water	EPA 537.1	435541
MB 410-435541/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	435541
MB 410-435637/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	435637
LCS 410-435541/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	435541

QC Association Summary

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

Job ID: 620-14578-1

LCMS (Continued)

Analysis Batch: 436148 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-435637/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	435637
LCSD 410-435541/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	435541

Analysis Batch: 436195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-12	907 Beecher Hill Rd-MID	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-13	907 Beecher Hill Rd-EFF	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-14	56 Forest Edge-INF	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-15	56 Forest Edge-MID	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-16	56 Forest Edge-EFF	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-17	685 Beecher Hill Rd-INF	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-18	685 Beecher Hill Rd-MID	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-19	685 Beecher Hill Rd-EFF	Total/NA	Drinking Water	EPA 537.1	435671
620-14578-21	413 North Road	Total/NA	Drinking Water	EPA 537.1	435671
MB 410-435671/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	435671
LCS 410-435671/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	435671
LCSD 410-435671/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	435671

Analysis Batch: 436625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-10 - RA	MW-3D	Total/NA	Water	537 IDA	434108
620-14578-30 - RA	MW-4S	Total/NA	Water	537 IDA	434108

Prep Batch: 437662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-10 - RE	MW-3D	Total/NA	Water	SPE	
620-14578-31	MW-1R	Total/NA	Water	SPE	
MB 410-437662/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-437662/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-437662/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 438758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-437662/1-A	Method Blank	Total/NA	Water	537 IDA	437662
LCS 410-437662/2-A	Lab Control Sample	Total/NA	Water	537 IDA	437662
LCSD 410-437662/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	437662

Analysis Batch: 439197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-10 - RE	MW-3D	Total/NA	Water	537 IDA	437662
620-14578-31	MW-1R	Total/NA	Water	537 IDA	437662

Prep Batch: 442078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-11 - RE	907 Beecher Hill Rd-INF	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-442078/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-442078/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-442078/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

QC Association Summary

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

Job ID: 620-14578-1

LCMS

Analysis Batch: 442375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-11 - RE	907 Beecher Hill Rd-INF	Total/NA	Drinking Water	EPA 537.1	442078
MB 410-442078/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	442078
LCS 410-442078/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	442078
LCSD 410-442078/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	442078

Metals

Prep Batch: 27810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-31	MW-1R	Total/NA	Water	3005A	
MB 620-27810/1-A	Method Blank	Total/NA	Water	3005A	
LCS 620-27810/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 27818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	3005A	
620-14578-7	MW-3S	Total/NA	Water	3005A	
620-14578-8	MW-3S-FD	Total/NA	Water	3005A	
620-14578-9	MW-2S	Total/NA	Water	3005A	
620-14578-10	MW-3D	Total/NA	Water	3005A	
620-14578-29	MW-4D	Total/NA	Water	3005A	
620-14578-30	MW-4S	Total/NA	Water	3005A	
MB 620-27818/1-A	Method Blank	Total/NA	Water	3005A	
LCS 620-27818/2-A	Lab Control Sample	Total/NA	Water	3005A	
620-14578-3 MS	EB101023	Total/NA	Water	3005A	
620-14578-3 MSD	EB101023	Total/NA	Water	3005A	
620-14578-3 DU	EB101023	Total/NA	Water	3005A	

Analysis Batch: 27828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	6010D	27818
620-14578-7	MW-3S	Total/NA	Water	6010D	27818
620-14578-8	MW-3S-FD	Total/NA	Water	6010D	27818
620-14578-9	MW-2S	Total/NA	Water	6010D	27818
620-14578-10	MW-3D	Total/NA	Water	6010D	27818
620-14578-29	MW-4D	Total/NA	Water	6010D	27818
620-14578-30	MW-4S	Total/NA	Water	6010D	27818
620-14578-31	MW-1R	Total/NA	Water	6010D	27810
MB 620-27810/1-A	Method Blank	Total/NA	Water	6010D	27810
MB 620-27818/1-A	Method Blank	Total/NA	Water	6010D	27818
LCS 620-27810/2-A	Lab Control Sample	Total/NA	Water	6010D	27810
LCS 620-27818/2-A	Lab Control Sample	Total/NA	Water	6010D	27818
620-14578-3 MS	EB101023	Total/NA	Water	6010D	27818
620-14578-3 MSD	EB101023	Total/NA	Water	6010D	27818
620-14578-3 DU	EB101023	Total/NA	Water	6010D	27818

Prep Batch: 28019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	7470A	
620-14578-7	MW-3S	Total/NA	Water	7470A	
620-14578-8	MW-3S-FD	Total/NA	Water	7470A	

Eurofins New England

QC Association Summary

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

Job ID: 620-14578-1

Metals (Continued)

Prep Batch: 28019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-9	MW-2S	Total/NA	Water	7470A	
620-14578-10	MW-3D	Total/NA	Water	7470A	

Analysis Batch: 28046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	7470A	28019
620-14578-7	MW-3S	Total/NA	Water	7470A	28019
620-14578-8	MW-3S-FD	Total/NA	Water	7470A	28019
620-14578-9	MW-2S	Total/NA	Water	7470A	28019
620-14578-10	MW-3D	Total/NA	Water	7470A	28019

Prep Batch: 28327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-29	MW-4D	Total/NA	Water	7470A	
620-14578-30	MW-4S	Total/NA	Water	7470A	
620-14578-31	MW-1R	Total/NA	Water	7470A	

Analysis Batch: 28378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-29	MW-4D	Total/NA	Water	7470A	28327
620-14578-30	MW-4S	Total/NA	Water	7470A	28327
620-14578-31	MW-1R	Total/NA	Water	7470A	28327

General Chemistry

Analysis Batch: 433736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-14578-3	EB101023	Total/NA	Water	410.4	
620-14578-7	MW-3S	Total/NA	Water	410.4	
620-14578-8	MW-3S-FD	Total/NA	Water	410.4	
620-14578-9	MW-2S	Total/NA	Water	410.4	
620-14578-10	MW-3D	Total/NA	Water	410.4	
620-14578-29	MW-4D	Total/NA	Water	410.4	
620-14578-30	MW-4S	Total/NA	Water	410.4	
620-14578-31	MW-1R	Total/NA	Water	410.4	
MB 410-433736/4	Method Blank	Total/NA	Water	410.4	
LCS 410-433736/5	Lab Control Sample	Total/NA	Water	410.4	

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: TB101023

Lab Sample ID: 620-14578-1

Date Collected: 10/10/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 12:45

Client Sample ID: FRB101023

Lab Sample ID: 620-14578-2

Date Collected: 10/10/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			432927	K6GF	ELLE	10/18/23 16:36
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 05:37
Total/NA	Prep	537.1 DW Prep	RE		435637	K6GF	ELLE	10/25/23 16:01
Total/NA	Analysis	EPA 537.1	RE	1	436148	WR4P	ELLE	10/27/23 09:27

Client Sample ID: EB101023

Lab Sample ID: 620-14578-3

Date Collected: 10/10/23 12:00

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28140	CLR	EET NE	10/24/23 03:31
Total/NA	Analysis	EPA 300.0 R2.1		1	440214	W7FX	ELLE	11/06/23 20:54
Total/NA	Prep	SPE			434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA		1	435692	VK3G	ELLE	10/26/23 01:51
Total/NA	Prep	3005A			27818	JPC	EET NE	10/13/23 16:08
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 10:25
Total/NA	Prep	7470A			28019	PRB	EET NE	10/19/23 09:42
Total/NA	Analysis	7470A		1	28046	PRB	EET NE	10/19/23 15:23
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 08:42

Client Sample ID: 152 Forest Edge Rd-INF

Lab Sample ID: 620-14578-4

Date Collected: 10/10/23 10:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 13:56
Total/NA	Prep	537.1 DW Prep			432927	K6GF	ELLE	10/18/23 16:36
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 05:48
Total/NA	Prep	537.1 DW Prep	RE		435637	K6GF	ELLE	10/25/23 16:01
Total/NA	Analysis	EPA 537.1	RE	1	436148	WR4P	ELLE	10/27/23 09:39

Client Sample ID: 152 Forest Edge Rd-MID

Lab Sample ID: 620-14578-5

Date Collected: 10/10/23 10:06

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 14:19

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: 152 Forest Edge Rd-MID

Lab Sample ID: 620-14578-5

Date Collected: 10/10/23 10:06

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			432927	K6GF	ELLE	10/18/23 16:36
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 06:00
Total/NA	Prep	537.1 DW Prep	RE		435637	K6GF	ELLE	10/25/23 16:01
Total/NA	Analysis	EPA 537.1	RE	1	436148	WR4P	ELLE	10/27/23 09:50

Client Sample ID: 152 Forest Edge Rd-EFF

Lab Sample ID: 620-14578-6

Date Collected: 10/10/23 10:11

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 14:42
Total/NA	Prep	537.1 DW Prep			432927	K6GF	ELLE	10/18/23 16:36
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 06:12
Total/NA	Prep	537.1 DW Prep	RE		435637	K6GF	ELLE	10/25/23 16:01
Total/NA	Analysis	EPA 537.1	RE	1	436148	WR4P	ELLE	10/27/23 10:02

Client Sample ID: MW-3S

Lab Sample ID: 620-14578-7

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28137	CLR	EET NE	10/23/23 21:49
Total/NA	Analysis	EPA 300.0 R2.1		5	440214	W7FX	ELLE	11/06/23 22:03
Total/NA	Prep	SPE			434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA		1	435692	VK3G	ELLE	10/26/23 02:02
Total/NA	Prep	3005A			27818	JPC	EET NE	10/13/23 16:08
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 10:49
Total/NA	Prep	7470A			28019	PRB	EET NE	10/19/23 09:42
Total/NA	Analysis	7470A		1	28046	PRB	EET NE	10/19/23 15:27
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 08:46

Client Sample ID: MW-3S-FD

Lab Sample ID: 620-14578-8

Date Collected: 10/10/23 13:30

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28137	CLR	EET NE	10/23/23 22:15
Total/NA	Analysis	EPA 300.0 R2.1		5	440214	W7FX	ELLE	11/06/23 22:20
Total/NA	Prep	SPE			434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA		1	435692	VK3G	ELLE	10/26/23 02:13
Total/NA	Prep	3005A			27818	JPC	EET NE	10/13/23 16:08
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 10:54
Total/NA	Prep	7470A			28019	PRB	EET NE	10/19/23 09:42
Total/NA	Analysis	7470A		1	28046	PRB	EET NE	10/19/23 15:29
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 08:50

Eurofins New England

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: MW-2S

Lab Sample ID: 620-14578-9

Date Collected: 10/10/23 13:45

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28137	CLR	EET NE	10/23/23 22:41
Total/NA	Analysis	EPA 300.0 R2.1		5	440214	W7FX	ELLE	11/06/23 22:37
Total/NA	Prep	SPE			434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA		1	435692	VK3G	ELLE	10/26/23 02:36
Total/NA	Prep	3005A			27818	JPC	EET NE	10/13/23 16:08
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 11:00
Total/NA	Prep	7470A			28019	PRB	EET NE	10/19/23 09:42
Total/NA	Analysis	7470A		1	28046	PRB	EET NE	10/19/23 15:31
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 08:52

Client Sample ID: MW-3D

Lab Sample ID: 620-14578-10

Date Collected: 10/10/23 15:40

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28137	CLR	EET NE	10/23/23 23:07
Total/NA	Analysis	EPA 300.0 R2.1		10	440734	W7FX	ELLE	11/07/23 18:33
Total/NA	Prep	SPE			434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA		1	435692	VK3G	ELLE	10/26/23 02:47
Total/NA	Prep	SPE	RA		434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA	RA	1	436625	DCS9	ELLE	10/28/23 07:47
Total/NA	Prep	SPE	RE		437662	DX7G	ELLE	10/31/23 08:28
Total/NA	Analysis	537 IDA	RE	1	439197	DQV6	ELLE	11/03/23 21:54
Total/NA	Prep	3005A			27818	JPC	EET NE	10/13/23 16:08
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 11:06
Total/NA	Prep	7470A			28019	PRB	EET NE	10/19/23 09:42
Total/NA	Analysis	7470A		1	28046	PRB	EET NE	10/19/23 15:34
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 08:56

Client Sample ID: 907 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-11

Date Collected: 10/11/23 09:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 15:05
Total/NA	Prep	537.1 DW Prep			432927	K6GF	ELLE	10/18/23 16:36
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 06:23
Total/NA	Prep	537.1 DW Prep	RE		442078	WW2J	ELLE	11/08/23 15:52
Total/NA	Analysis	EPA 537.1	RE	1	442375	DCS9	ELLE	11/12/23 05:31

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: 907 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-12

Date Collected: 10/11/23 09:22

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 15:29
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 12:38

Client Sample ID: 907 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-13

Date Collected: 10/11/23 09:24

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 15:52
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 12:50

Client Sample ID: 56 Forest Edge-INF

Lab Sample ID: 620-14578-14

Date Collected: 10/11/23 10:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 16:15
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 13:01

Client Sample ID: 56 Forest Edge-MID

Lab Sample ID: 620-14578-15

Date Collected: 10/11/23 10:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 16:39
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 13:13

Client Sample ID: 56 Forest Edge-EFF

Lab Sample ID: 620-14578-16

Date Collected: 10/11/23 10:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 17:02
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 13:36

Client Sample ID: 685 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-17

Date Collected: 10/11/23 11:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 17:25

Eurofins New England

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: 685 Beecher Hill Rd-INF

Lab Sample ID: 620-14578-17

Date Collected: 10/11/23 11:15

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 13:48

Client Sample ID: 685 Beecher Hill Rd-MID

Lab Sample ID: 620-14578-18

Date Collected: 10/11/23 11:16

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 17:49
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 13:59

Client Sample ID: 685 Beecher Hill Rd-EFF

Lab Sample ID: 620-14578-19

Date Collected: 10/11/23 11:17

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 18:12
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 14:11

Client Sample ID: FB101123

Lab Sample ID: 620-14578-20

Date Collected: 10/11/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 18:35

Client Sample ID: 413 North Road

Lab Sample ID: 620-14578-21

Date Collected: 10/11/23 10:03

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 18:58
Total/NA	Prep	537.1 DW Prep			435671	K6GF	ELLE	10/25/23 16:58
Total/NA	Analysis	EPA 537.1		1	436195	WR4P	ELLE	10/27/23 14:22

Client Sample ID: 182 Forest's Edge

Lab Sample ID: 620-14578-22

Date Collected: 10/11/23 12:32

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 19:22
Total/NA	Prep	537.1 DW Prep			432931	K6GF	ELLE	10/18/23 16:49
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/19/23 23:39

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: 794 Beecher Rd

Lab Sample ID: 620-14578-23

Date Collected: 10/11/23 11:02

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 19:45
Total/NA	Prep	537.1 DW Prep			432931	K6GF	ELLE	10/18/23 16:49
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/19/23 23:50

Client Sample ID: 490 North Rd

Lab Sample ID: 620-14578-24

Date Collected: 10/11/23 09:05

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434446	UJML	ELLE	10/23/23 20:08
Total/NA	Prep	537.1 DW Prep			432931	K6GF	ELLE	10/18/23 16:49
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 00:02

Client Sample ID: 206 Forest's Edge

Lab Sample ID: 620-14578-25

Date Collected: 10/11/23 14:26

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434447	UJML	ELLE	10/23/23 19:14
Total/NA	Prep	537.1 DW Prep			432931	K6GF	ELLE	10/18/23 16:49
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 00:13

Client Sample ID: 714 Beecher Hill Rd

Lab Sample ID: 620-14578-26

Date Collected: 10/11/23 12:04

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434447	UJML	ELLE	10/23/23 19:38
Total/NA	Prep	537.1 DW Prep			432931	K6GF	ELLE	10/18/23 16:49
Total/NA	Analysis	EPA 537.1		1	433534	WR4P	ELLE	10/20/23 00:25

Client Sample ID: 455 North Rd

Lab Sample ID: 620-14578-27

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434447	UJML	ELLE	10/23/23 20:02
Total/NA	Prep	537.1 DW Prep			432931	K6GF	ELLE	10/18/23 16:49
Total/NA	Analysis	EPA 537.1		1	435092	WR4P	ELLE	10/24/23 15:16

Client Sample ID: 455 North Rd-FD

Lab Sample ID: 620-14578-28

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	434447	UJML	ELLE	10/23/23 20:26

Eurofins New England

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: 455 North Rd-FD

Lab Sample ID: 620-14578-28

Date Collected: 10/11/23 16:20

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			432931	K6GF	ELLE	10/18/23 16:49
Total/NA	Analysis	EPA 537.1		1	435092	WR4P	ELLE	10/24/23 15:28

Client Sample ID: MW-4D

Lab Sample ID: 620-14578-29

Date Collected: 10/11/23 14:35

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28206	CLR	EET NE	10/24/23 21:19
Total/NA	Analysis	EPA 300.0 R2.1		5	440740	W7FX	ELLE	11/08/23 06:10
Total/NA	Prep	SPE			434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA		1	435692	VK3G	ELLE	10/26/23 02:58
Total/NA	Prep	3005A			27818	JPC	EET NE	10/13/23 16:10
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 11:24
Total/NA	Prep	7470A			28327	PRB	EET NE	10/26/23 12:22
Total/NA	Analysis	7470A		1	28378	PRB	EET NE	10/26/23 16:37
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 08:59

Client Sample ID: MW-4S

Lab Sample ID: 620-14578-30

Date Collected: 10/11/23 14:45

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28206	CLR	EET NE	10/24/23 21:45
Total/NA	Analysis	EPA 300.0 R2.1		5	440740	W7FX	ELLE	11/08/23 07:00
Total/NA	Prep	SPE			434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA		1	435692	VK3G	ELLE	10/26/23 03:09
Total/NA	Prep	SPE	RA		434108	HAT6	ELLE	10/21/23 08:00
Total/NA	Analysis	537 IDA	RA	1	436625	DCS9	ELLE	10/28/23 07:58
Total/NA	Prep	3005A			27818	JPC	EET NE	10/13/23 16:10
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 11:30
Total/NA	Prep	7470A			28327	PRB	EET NE	10/26/23 12:22
Total/NA	Analysis	7470A		1	28378	PRB	EET NE	10/26/23 16:39
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 09:13

Client Sample ID: MW-1R

Lab Sample ID: 620-14578-31

Date Collected: 10/11/23 16:47

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	28206	CLR	EET NE	10/24/23 22:10
Total/NA	Analysis	EPA 300.0 R2.1		5	440740	W7FX	ELLE	11/08/23 07:16
Total/NA	Prep	SPE			437662	DX7G	ELLE	10/31/23 08:28
Total/NA	Analysis	537 IDA		1	439197	DQV6	ELLE	11/03/23 22:08

Lab Chronicle

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

Job ID: 620-14578-1

Client Sample ID: MW-1R

Lab Sample ID: 620-14578-31

Date Collected: 10/11/23 16:47

Matrix: Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			27810	ODO	EET NE	10/13/23 15:16
Total/NA	Analysis	6010D		1	27828	JPC	EET NE	10/15/23 15:13
Total/NA	Prep	7470A			28327	PRB	EET NE	10/26/23 12:22
Total/NA	Analysis	7470A		1	28378	PRB	EET NE	10/26/23 16:46
Total/NA	Analysis	410.4		1	433736	USAE	ELLE	10/20/23 09:03

Client Sample ID: FRB101123

Lab Sample ID: 620-14578-32

Date Collected: 10/11/23 12:00

Matrix: Drinking Water

Date Received: 10/13/23 11:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			435541	HQ8B	ELLE	10/25/23 11:17
Total/NA	Analysis	EPA 537.1		1	436148	WR4P	ELLE	10/27/23 00:59

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: 620-14578-1

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	05-11-25
Massachusetts	State	M-RI907	11-08-23
New Hampshire	NELAP	2240	08-03-23 *
New Jersey	NELAP	RI008	06-30-24
New York	NELAP	11393	04-02-24
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	10-28-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
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
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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

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

Job ID: 620-14578-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
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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	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: 620-14578-1

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
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	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
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE
7470A	Preparation, Mercury	SW846	EET NE
SPE	PFAS by SPE	Lab SOP	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.
- Lab SOP = Laboratory Standard Operating Procedure
- 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: 620-14578-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-14578-1	TB101023	Drinking Water	10/10/23 12:00	10/13/23 11:37
620-14578-2	FRB101023	Drinking Water	10/10/23 12:00	10/13/23 11:37
620-14578-3	EB101023	Water	10/10/23 12:00	10/13/23 11:37
620-14578-4	152 Forest Edge Rd-INF	Drinking Water	10/10/23 10:00	10/13/23 11:37
620-14578-5	152 Forest Edge Rd-MID	Drinking Water	10/10/23 10:06	10/13/23 11:37
620-14578-6	152 Forest Edge Rd-EFF	Drinking Water	10/10/23 10:11	10/13/23 11:37
620-14578-7	MW-3S	Water	10/10/23 13:30	10/13/23 11:37
620-14578-8	MW-3S-FD	Water	10/10/23 13:30	10/13/23 11:37
620-14578-9	MW-2S	Water	10/10/23 13:45	10/13/23 11:37
620-14578-10	MW-3D	Water	10/10/23 15:40	10/13/23 11:37
620-14578-11	907 Beecher Hill Rd-INF	Drinking Water	10/11/23 09:20	10/13/23 11:37
620-14578-12	907 Beecher Hill Rd-MID	Drinking Water	10/11/23 09:22	10/13/23 11:37
620-14578-13	907 Beecher Hill Rd-EFF	Drinking Water	10/11/23 09:24	10/13/23 11:37
620-14578-14	56 Forest Edge-INF	Drinking Water	10/11/23 10:15	10/13/23 11:37
620-14578-15	56 Forest Edge-MID	Drinking Water	10/11/23 10:16	10/13/23 11:37
620-14578-16	56 Forest Edge-EFF	Drinking Water	10/11/23 10:17	10/13/23 11:37
620-14578-17	685 Beecher Hill Rd-INF	Drinking Water	10/11/23 11:15	10/13/23 11:37
620-14578-18	685 Beecher Hill Rd-MID	Drinking Water	10/11/23 11:16	10/13/23 11:37
620-14578-19	685 Beecher Hill Rd-EFF	Drinking Water	10/11/23 11:17	10/13/23 11:37
620-14578-20	FB101123	Drinking Water	10/11/23 12:00	10/13/23 11:37
620-14578-21	413 North Road	Drinking Water	10/11/23 10:03	10/13/23 11:37
620-14578-22	182 Forest's Edge	Drinking Water	10/11/23 12:32	10/13/23 11:37
620-14578-23	794 Beecher Rd	Drinking Water	10/11/23 11:02	10/13/23 11:37
620-14578-24	490 North Rd	Drinking Water	10/11/23 09:05	10/13/23 11:37
620-14578-25	206 Forest's Edge	Drinking Water	10/11/23 14:26	10/13/23 11:37
620-14578-26	714 Beecher Hill Rd	Drinking Water	10/11/23 12:04	10/13/23 11:37
620-14578-27	455 North Rd	Drinking Water	10/11/23 16:20	10/13/23 11:37
620-14578-28	455 North Rd-FD	Drinking Water	10/11/23 16:20	10/13/23 11:37
620-14578-29	MW-4D	Water	10/11/23 14:35	10/13/23 11:37
620-14578-30	MW-4S	Water	10/11/23 14:45	10/13/23 11:37
620-14578-31	MW-1R	Water	10/11/23 16:47	10/13/23 11:37
620-14578-32	FRB101123	Drinking Water	10/11/23 12:00	10/13/23 11:37





620-14578 Chain of Custody

Chain of Custody Record

Chain of Custody Record

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: Katrina Mettice Invoice To: Accounting@stark-av.com Project No: 2021205

Telephone #: 802-229-4541 P.O. No: _____ Quote #: _____

Project Migr: Katrina Mettice

F=Field Filtered 1=Na₂S₂O₈, 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 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
 X1= blank water X2= _____ X3= _____

MA DEP MCP CAM Report? Yes No
 CTDPH RCP Report? Standard No QC
 ASP A* DQA* ASP B*
 NI Reduced* Tier II* NI Full*
 Tier IV* Other: _____
 State-specific reporting standards _____

QA/QC Reporting Notes:
 *additional charges may apply

Lab ID:	Sample ID:	Date:	Time:	Type:	Containers			List Preservative Code below:				Check if chlorinated										
					# of Amber Glass	# of Clear Glass	# of Plastic	HCl	HCl	MSC	AKC		Analysis									
-1	TB101023	10/10/23	12:55	G																		
-2	FRB101023		12:50	G																		
-3	EB101023		12:00	G																		
-4	152 Forest Edge Kd INF		10:00	DW																		
-5	152 Forest Edge Ka M10		10:00	DW																		
-6	152 Forest Edge Kd BFF		10:11	DW																		
-7	MW-35		13:30	GW																		
-8	MW-35-f10		13:30	GW																		
-9	MW-LS		13:45	GW																		
-10	MW-5D		15:40	GW																		

Relinquished by: [Signature] Date: 10/2/23 Time: 13:51 Temp °C: 1.8

Received by: [Signature] Date: 10/2/23 Time: 14:57 Temp °C: 1.8

Matrix: Blank water

Condition upon receipt: Ambient Refrigerated DI VOA Frozen Soil Jar Frozen

Custody Seals: Present Intact Broken

U2 TOJ W4 #6

11/13/2023



Environment Testing
New England

CHAIN OF CUSTODY RECORD

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.

Page _____ of _____

Report To: Kahana Mathice kmathice@stone-env.com
 Telephone #: 812-229-4541
 Project Mgr: Kahana Mathice
 Invoice To: Accounting@stone-env.com
 Project No: _____ Quote #: _____
 Site Name: Hinesburg Landfill
 Location: Hinesburg, VT State: VT
 Sampler(s): KJB, LMP, KJM

P.O. No: _____
 F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃COH 8=NaHSO₃ 9=Deionized Water 10=H₂PO₄ 11= _____ 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
 X1= _____ X2= _____ X3= _____

Lab ID:	Sample ID:	Date:	Time:	Containers				Temp °C	Time:	Date:	Received by:
				# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic				
-11	907 Beecher Hill Rd - INF	10/11/23	9:20	3	0	0	2	DW	524.2	10/12/23	Wolfe
-12	907 Beecher Hill Rd - MID	10/11/23	9:22	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-13	907 Beecher Hill Rd - EFF	10/11/23	9:24	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-14	56 Forest Edge - INF	10/11/23	10:15	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-15	56 Forest Edge - MID	10/11/23	10:16	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-16	56 Forest Edge - EFF	10/11/23	10:17	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-17	685 Beecher Hill Rd - INF	10/11/23	11:15	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-18	685 Beecher Hill Rd - MID	10/11/23	11:16	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-19	685 Beecher Hill Rd - EFF	10/11/23	11:17	3	0	0	2	DW	537.10H	10/12/23	Wolfe
-20	FB 101123	10/11/23	12:00	2	0	0	0	X1	537.10H	10/12/23	Wolfe

Relinquished by: Kahana Mathice
 Received by: Wolfe
 EDD format: E-mail to: 4.4 to.2
 Condition upon receipt: Ambient Ice Custody Seals: Present Intact Broken
 Refrigerated DI VOA Frozen Soil Jar Frozen

11/13/2023
 0.8 to.2 1.0 # 6
 2.4 to.2 2.6 # 6





Environment Testing
New England

CHAIN OF CUSTODY RECORD

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.

Page _____ of _____

Report To: Katrina Mattice
KMattice@Stone-env.com
 Telephone #: 802-229-4541
 Project Mgr: Katrina Mattice

Invoice To: Accounting@Stone-env.com
 Project No: 20211205
 Site Name: Himesburg Landfill
 Location: Himesburg, State: VT
 Quote #: _____

Project No: 20211205
 Site Name: Himesburg Landfill
 Location: Himesburg, State: VT
 Sampler(s): RFB, LMP, KJM

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃SOH 8=NaHSO₄ 9=Deionized Water 10=H₂PO₄ 11=TriEMA 12=Unpreserved

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= _____

List Preservative Code below:

QA/QC Reporting Notes:
 * additional charges may apply

MA/DEP MCP CAM Report? Yes No
 CT DPH RCP Report? Yes No
 Standard No QC
 ASP A* ASP B*
 NI Reduced* NI Full*
 Tier II* Tier IV*
 Other _____
 State-specific reporting standards _____

Check if chlorinated

Analysis	8260	PTAs GW SFT Mod.	Chloride
----------	------	------------------	----------

Containers	# of Amber Glass	# of Clear Glass	# of Plastic
Metal + Sediment			
MOD Regulated + THMS			
S2H2 Preserved list of 18			
CD EPA S3H1			

Lab ID	Sample ID	Date	Time	C-Composite		Date	Time	Temp °C	Received by:
				G=Grab	Type				
-21	0413 North Road	10/10/23	10:03	G	DW	10/12/23	13:51	1.8	[Signature]
-22	0182 Forest's Edge		12:32	G	DW	10/12/23	14:57	10.2	[Signature]
-23	0794 Beecher Rd.		11:02	G	DW	10/13/23	11:37	2.0	[Signature]
-24	0490 North Road		9:05	G	DW				
-25	0206 Forest's Edge		14:26	G	DW				
-26	0714 Beecher Hill Rd.		12:04	G	DW				
-27	0455 North Road		16:20	G	DW				
-28	0455 North Road - FD		16:20	G	DW				
-29	MW-4D		14:35	G	GW				
-30	MW-4S		14:45	G	GW				

Condition upon receipt: Ambient Iced Refrigerated DI VOA Frozen Broken In tact

Custody Seals: Present Broken

Condition on receipt: Ambient Iced Refrigerated DI VOA Frozen Broken In tact

Relinquished by: _____
 Received by: _____
 Date: _____
 Time: _____
 Temp °C: _____

11/13/2023

0.8 - 10.2 1.0 - 6
 2.4 - 10.2 2.6 - 6





Environment Testing
New England

CHAIN OF CUSTODY RECORD

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.

Page _____ of _____

Report To: Karina Matice Invoice To: Accounting @ stone.env.com Project No: 2021265

Telephone #: 802-229-4541 PO No: _____ Site Name: Richsbury Landfill

Project Mgr: Karina Matice Location: Richsbury State: VT

Sampler(s): RJR, JAMP, KJM

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11=TKZ MA 12=UNRESERVED

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= blaine water X2= _____ X3= _____

Matrix

Lab ID:	Sample ID:	Date:	Time:	Type
-35	MW-1R	10/11/23	6:47	GIW 51
-38	FRB10123		12:00	XI

List Preservative Code below:

Analysis	Containers	Temp °C	Time	Date
26c	242 preserved bottle 18	Observed 1.8	13:51	10/12/23
37 MW	242 preserved bottle 18	Concentration Factor 4.2 to 2	14:57	10/12/23
37 MW	242 preserved bottle 18	Concentration Factor 4.4 #6	11:37	10/13/23

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Received by: Wolf J... Date: 10/12/23 Time: 13:51

Relinquished by: Wolf J... Date: 10/12/23 Time: 14:57

Condition upon receipt: Ambient Iced Refrigerated DI VOA Frozen Broken Intact Present

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report? Yes No
 CTDPH RCP Report? Standard No QC
 ASP A* DQA* ASP B*
 NJ Reduced* Tier II* Tier IV*
 Other: _____
 State-specific reporting standards

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

11/13/2023
 0.8 to 2 I.R #6
 2.4 to 2.0 #6



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Part # 159469-434 MTHW EXP 09/29

ORIGIN ID-BTVA (802) 660-1990
 SAMPLE RECEIVING
 TEST AMERICA
 530 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

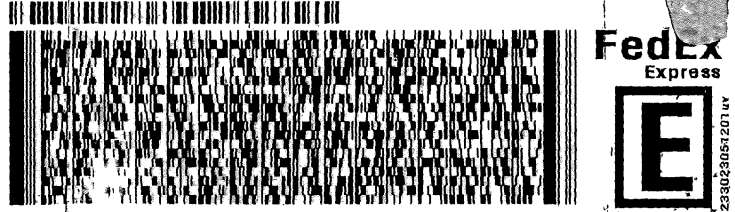
SHIP DATE: 12OCT23
 ACTWGT: 50.00 LB MAN
 CAD: 000890364/CAFE9753
 DIMS: 24x14x16 IN
 BILL RECIPIENT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

Handwritten note on a piece of paper:
 020
 10:30
 5448
 10.13

INU: REF: DEPT:
 PO:

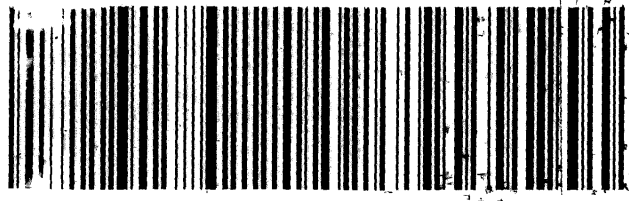


1 of 4
 TRK# 7050 4970 5448
 0201
 ## MASTER ##

FRI - 13 OCT 10:30A
 PRIORITY OVERNIGHT

XP NCOA

02852
 RI-US PVD



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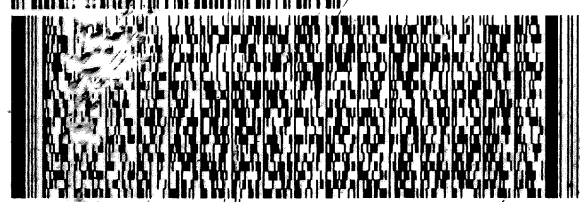
Part # 158469-134 NTW EXP 06/24

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SAMPLE RECEIVING	ACTWGT: 50.00 LB MAN
TEST AMERICA	CAD: 000890364/CAFE3753
530 COMMUNITY DRIVE	DIMS: 24x14x16 IN
SUITE 11	
BURLINGTON, VT 05401	BILL RECEIPT
UNITED STATES	

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

INU: REF: DEPT:
 PG: :



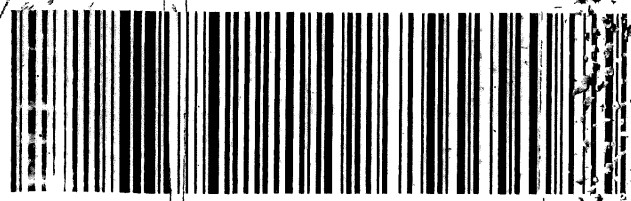
FedEx
 Express


2 of 4
 MPS# 7050 4970 5459
 026
 Mstr# 7050 4970 5448

FRI - 13 OCT 10:30A
PRIORITY OVERNIGHT

XI NCOA

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02852
RI - US PVD



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Part # 159489-434 NTW EXP Q824

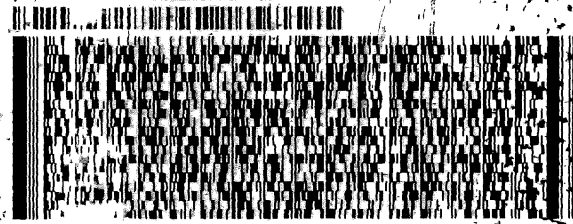
ORIG: BIVA (802) 860-1990
 SAMP. RECEIVING
 TEST. AFRICA
 530 COMMUNITY DRIVE
 SUITE 111
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 12OCT23
 ACTWGT: 50.00 LB MAN
 CAD: 0008903647CAFE3753
 DIMS: 24x14x16 IN
 BILL RECIPIENT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

REF: INO: PO: DEPT:



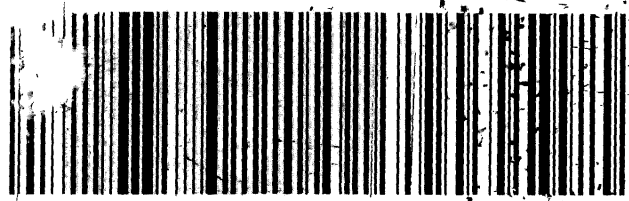
3 of 4
 MPS# 7050 4970 5460
 0263
 Mstr# 7050 4970 5448

0201

FRI 13-OCT 10:30A
PRIORITY OVERNIGHT

XP NCOA

02852
 RI-US **PVD**



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Part # 159469-434 MTW EXP 09/24

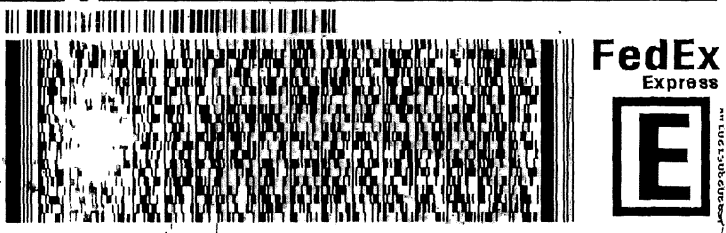
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 SAMPLE RECEIVING
 TEST AMERICA
 530 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 12OCT23
 ACTWGT: 50.00 LB MAN
 CAD: 000890364/CAFE3753
 DIMS: 24x14x16 IN
 BILL RECIPIENT

TO: **SAMPLE RECEIVING**
EDMUNDS NEW ENGLAND
64 CAMP AVE

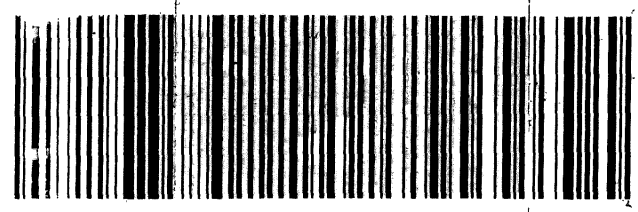
NORTH KINGSTOWN RI 02852

THU: REF: DEPT:
 PO:



FedEx
Express
E

4 of 4
 MPS# 7050 4970 5470
 Mstr# 7050 4970 5448 0201
XP NCOA
 FRI - 13 OCT 10:30A
PRIORITY OVERNIGHT
 02852
 RI-US PVD



Eurofins New England

646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018 Fax: 413-506-3830

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)			Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:																																																																																																																																																																																	
Client Contact: Shipping/Receiving			Phone:	Huntley, Agnes R		620-11853.1																																																																																																																																																																																	
Company: Eurofins Lancaster Laboratories Environm			E-Mail:	State of Origin:		Page: Page 1 of 4																																																																																																																																																																																	
Address: 2425 New Holland Pike,			Accreditations Required (See note):	Vermont		Job #: 620-14578-1																																																																																																																																																																																	
City: Lancaster			Due Date Requested:	Analysis Requested																																																																																																																																																																																			
State, Zip: PA, 17601			TAT Requested (days):	A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)																																																																																																																																																																																			
Phone: 717-656-2300(Tel)			PO #:	Other: Other:																																																																																																																																																																																			
Email:			WO #:																																																																																																																																																																																				
Project Name: Town of Hinesburg Landfill - Hinesburg,			Project #: 62000809																																																																																																																																																																																				
Site:			SSOW#:																																																																																																																																																																																				
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Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soils/sed, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	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	410.4	300_ORGFM_28D/ (MOD) Copy Analytes	PFC_IDA/PFAS_W_Prep PFAS list of 24	PRE_SCREEN_PFAS/PFAS_PreScn_W_P	Total Number of Containers	Special Instructions/Note:																																																																																																																																																																								
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MW-2S (620-14578-9)	10/10/23	13:45 Eastern		Water						X	X	X	X	4																																																																																																																																																																									
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____				Relinquished by: _____ Date/Time: 10/13/23 12:39 PM Company: GWS Received by: _____ Date/Time: _____ Company: _____																																																																																																																																																																																			
Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____				Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: 10/16/23 09:15 AM Company: EUCAT																																																																																																																																																																																			
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: _____		Cooler Temperature(s) °C and Other Remarks: Raw: 4.8-10.4 cor: 4.9-10.3																																																																																																																																																																																			

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Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler: Huntley, Agnes R	Lab PM: Huntley, Agnes R	Carrier Tracking No(s):	COC No: 620-11853.2																															
Client Contact Shipping/Receiving		Phone:	E-Mail: Agnes.Huntley@et.eurofinsus.com	State of Origin: Vermont	Page: Page 2 of 4																															
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): State - Vermont			Job #: 620-14578-1																															
Address: 2425 New Holland Pike,		Due Date Requested: 10/26/2023		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td align="center" colspan="10">Analysis Requested</td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">524.2_Preserved/ (MOD) Regulated + THMs</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PRE_SCREEN</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">410.4</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">300_ORGFM_28DI (MOD) Copy Analytes</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PFC_IDA/PFAS_W_Prep PFAS list of 24</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PRE_SCREEN_PFCAS/PFAS_PrepScn_W_P</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);"></td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);"></td> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of containers</td> <td colspan="9"></td> </tr> </table>		Analysis Requested										Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2_Preserved/ (MOD) Regulated + THMs	PRE_SCREEN	537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18	410.4	300_ORGFM_28DI (MOD) Copy Analytes	PFC_IDA/PFAS_W_Prep PFAS list of 24	PRE_SCREEN_PFCAS/PFAS_PrepScn_W_P			Total Number of containers									
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Total Number of containers																																				
City: Lancaster		TAT Requested (days):																																		
State, Zip: PA, 17601		PO #:																																		
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, D=dregs/sol, T=tissue, A=air)	Analysis Requested	Total Number of containers	Special Instructions/Note:
MW-3D (620-14578-10)	10/10/23	15:40 Eastern	Water	Water	X X X X X X	4	
907 Beecher Hill Rd-INF (620-14578-11)	10/11/23	09:20 Eastern	Drinking Water	Drinking Water	X X X	5	VT VGES/MCL
907 Beecher Hill Rd-MID (620-14578-12)	10/11/23	09:22 Eastern	Drinking Water	Drinking Water	X X X	5	VT VGES/MCL
907 Beecher Hill Rd-EFF (620-14578-13)	10/11/23	09:24 Eastern	Drinking Water	Drinking Water	X X X	3	VT VGES/MCL
56 Forest Edge-INF (620-14578-14)	10/11/23	10:15 Eastern	Drinking Water	Drinking Water	X X X	1	VT VGES/MCL
56 Forest Edge-MID (620-14578-15)	10/11/23	10:16 Eastern	Drinking Water	Drinking Water	X X X	1	VT VGES/MCL
56 Forest Edge-EFF (620-14578-16)	10/11/23	10:17 Eastern	Drinking Water	Drinking Water	X X X	5	VT VGES/MCL
685 Beecher Hill Rd-INF (620-14578-17)	10/11/23	11:15 Eastern	Drinking Water	Drinking Water	X X X	5	VT VGES/MCL
685 Beecher Hill Rd-MID (620-14578-18)	10/11/23	11:16 Eastern	Drinking Water	Drinking Water	X X X	5	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)		
<input type="checkbox"/> 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: 10/13/23 07:39	Company: EVO	Received by:
Relinquished by: <i>[Signature]</i>	Date/Time:	Company:	Received by:
Relinquished by: <i>[Signature]</i>	Date/Time:	Company:	Received by: <i>[Signature]</i>

Custody Seals Intact: A Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: rec. 4.8-10.9 car 4.9-10.3
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KL



Eurofins New England

646 Camp Ave
 North Kingstown, RI 02852
 Phone: 413-789-9018 Fax: 413-506-3830

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: Eurofins Lancaster Laboratories Environm Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email: Project Name: Town of Hinesburg Landfill - Hinesburg, Site:					Sampler: Phone: Accreditations Required (See note): State - Vermont		Lab PM: Huntley, Agnes R E-Mail: Agnes.Huntley@et.eurofinsus.com		Carrier Tracking No(s): State of Origin: Vermont		COC No: 620-11853.3 Page: Page 3 of 4 Job #: 620-14578-1						
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:										
Due Date Requested: 10/26/2023 TAT Requested (days):		PO #: WC #: Project #: 62000809 SSOW#:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 524.2 Preserved/ (MOD) Regulated + THMs PRE_SCREEN 537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18 410.4 300_ORGFM_28DI (MOD) Copy Analytes PFC_IDA/PFAS_W_Prep PFAS list of 24 PRE_SCREEN_PFAS/PFAS_PraScn_W_P		Total Number of Containers:											
Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/sol, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	524.2 Preserved/ (MOD) Regulated + THMs	PRE_SCREEN	537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18	410.4	300_ORGFM_28DI (MOD) Copy Analytes	PFC_IDA/PFAS_W_Prep PFAS list of 24	PRE_SCREEN_PFAS/PFAS_PraScn_W_P	Total Number of Containers	Special Instructions/Note:
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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: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: _____					Cooler Temperature(s) °C and Other Remarks: max: 4.8-10.4 cor: 4.4-10.3												

Ver: 06/08/2021



KL

Eurofins New England

646 Camp Ave

North Kingstown, RI 02852

Phone: 413-789-9018 Fax: 413-506-3830

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)			Sampler:	Lab PM	Carrier Tracking No(s):	COC No:																															
Client Contact: Shipping/Receiving			Phone:	Huntley, Agnes R		620-11853.4																															
Company: Eurofins Lancaster Laboratories Environm			E-Mail:	Agnes.Huntley@et.eurofinsus.com	State of Origin:	Page: Page 4 of 4																															
Address: 2425 New Holland Pike,			Accreditations Required (See note): State - Vermont		Job #: 620-14578-1																																
City: Lancaster			<table border="1"> <tr> <td colspan="6" style="text-align:center">Analysis Requested</td> </tr> <tr> <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> </tr> <tr> <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> </tr> </table>				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)
Analysis Requested																																					
State, Zip PA, 17601			Due Date Requested: 10/26/2023																																		
Phone: 717-656-2300(Tel)			TAT Requested (days):																																		
Email:			PO #:																																		
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/sediment, BT=Tissue, AA=Air)	Special Instructions/Note:																															
455 North Rd-FD (620-14578-28)		10/11/23	16 20 Eastern	Drinking Water		VT VGES/MCL																															
MW-4D (620-14578-29)		10/11/23	14 35 Eastern	Water	X X X																																
MW-4S (620-14578-30)		10/11/23	14 45 Eastern	Water	X X X X																																
MW-1R (620-14578-31)		10/11/23	16 47 Eastern	Water	X X X X																																
FRB101123 (620-14578-32)		10/11/23	12:00 Eastern	Drinking Water	X	VT VGES/MCL																															
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Primary Deliverable Rank: 2																																					
Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:																																
Relinquished by: <i>[Signature]</i>	Date/Time: 10/13/23 17:34	Company: <i>[Signature]</i>	Received by:	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: 10/14/23 09:15	Company: <i>[Signature]</i>																																
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: <i>raw 14.8-10.4 cor. 14.9-10.3</i>																																			

KE



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-14578-1

Login Number: 14578

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.	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: 620-14578-1

Login Number: 14578

List Number: 2

Creator: Foreman, Kai

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 10/16/23 01:22 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.	False	Water present in cooler; indicates evidence of melted ice
Cooler Temperature acceptable, where thermal pres is required ($\leq 6C$, not frozen).	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6C$, 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.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
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

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JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-15550-1

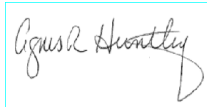
Eurofins New England

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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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: 620-15550-1

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: 620-15550-1

Job ID: 620-15550-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-15550-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/29/2023 11:12 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 5.4°C

GC/MS VOA

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: 620-15550-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-15550-1

No Detections.

Client Sample ID: 152 Forest Edge - MID

Lab Sample ID: 620-15550-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.97		0.500	ug/L	1		524.2	Total/NA

Client Sample ID: 152 Forest Edge - INF

Lab Sample ID: 620-15550-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	6.47		0.500	ug/L	1		524.2	Total/NA
Methylene Chloride	12.2		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	18.4		7.00	ug/L	1		524.2	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 620-15550-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10.1		10.0	ug/L	1		524.2	Total/NA

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: 620-15550-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-15550-1

Date Collected: 11/27/23 11:30

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 10:26	1
1,1,1-Trichloroethane	ND		0.500	ug/L			12/04/23 10:26	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			12/04/23 10:26	1
1,1,2-Trichloroethane	ND		0.500	ug/L			12/04/23 10:26	1
1,1-Dichloroethane	ND		0.500	ug/L			12/04/23 10:26	1
1,1-Dichloroethene	ND		0.500	ug/L			12/04/23 10:26	1
1,1-Dichloropropene	ND		0.500	ug/L			12/04/23 10:26	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			12/04/23 10:26	1
1,2,3-Trichloropropane	ND		0.500	ug/L			12/04/23 10:26	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			12/04/23 10:26	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			12/04/23 10:26	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			12/04/23 10:26	1
1,2-Dibromoethane	ND		0.500	ug/L			12/04/23 10:26	1
1,2-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:26	1
1,2-Dichloroethane	ND		0.500	ug/L			12/04/23 10:26	1
1,2-Dichloropropane	ND		0.500	ug/L			12/04/23 10:26	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			12/04/23 10:26	1
1,3-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:26	1
1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 10:26	1
1,4-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:26	1
2,2-Dichloropropane	ND		0.500	ug/L			12/04/23 10:26	1
2-Butanone	ND		5.00	ug/L			12/04/23 10:26	1
2-Chlorotoluene	ND		0.500	ug/L			12/04/23 10:26	1
2-Hexanone	ND		5.00	ug/L			12/04/23 10:26	1
4-Chlorotoluene	ND		0.500	ug/L			12/04/23 10:26	1
4-Methyl-2-pentanone	ND		5.00	ug/L			12/04/23 10:26	1
Acetone	ND		10.0	ug/L			12/04/23 10:26	1
Acrylonitrile	ND		10.0	ug/L			12/04/23 10:26	1
Benzene	ND		0.500	ug/L			12/04/23 10:26	1
Bromobenzene	ND		0.500	ug/L			12/04/23 10:26	1
Bromochloromethane	ND		0.500	ug/L			12/04/23 10:26	1
Bromodichloromethane	ND		0.500	ug/L			12/04/23 10:26	1
Bromoform	ND		0.500	ug/L			12/04/23 10:26	1
Bromomethane	ND		0.500	ug/L			12/04/23 10:26	1
Carbon disulfide	ND		2.00	ug/L			12/04/23 10:26	1
Carbon tetrachloride	ND		0.500	ug/L			12/04/23 10:26	1
Chlorobenzene	ND		0.500	ug/L			12/04/23 10:26	1
Chloroethane	ND		0.500	ug/L			12/04/23 10:26	1
Chloroform	ND		0.500	ug/L			12/04/23 10:26	1
Chloromethane	ND		0.500	ug/L			12/04/23 10:26	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 10:26	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 10:26	1
Dibromochloromethane	ND		0.500	ug/L			12/04/23 10:26	1
Dibromomethane	ND		0.500	ug/L			12/04/23 10:26	1
Dichlorodifluoromethane	ND		0.500	ug/L			12/04/23 10:26	1
di-Isopropyl ether	ND		0.500	ug/L			12/04/23 10:26	1
Ethyl ether	ND		0.500	ug/L			12/04/23 10:26	1
Ethyl t-butyl ether	ND		0.500	ug/L			12/04/23 10:26	1
Ethylbenzene	ND		0.500	ug/L			12/04/23 10:26	1

Eurofins New England

Client Sample Results

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

Job ID: 620-15550-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-15550-1

Date Collected: 11/27/23 11:30

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 10:26	1
Hexachlorobutadiene	ND		0.500	ug/L			12/04/23 10:26	1
Isopropylbenzene	ND		0.500	ug/L			12/04/23 10:26	1
m&p-Xylene	ND		1.00	ug/L			12/04/23 10:26	1
Methyl tertiary butyl ether	ND		0.500	ug/L			12/04/23 10:26	1
Methylene Chloride	ND		0.500	ug/L			12/04/23 10:26	1
Naphthalene	ND		0.500	ug/L			12/04/23 10:26	1
n-Butylbenzene	ND		0.500	ug/L			12/04/23 10:26	1
N-Propylbenzene	ND		0.500	ug/L			12/04/23 10:26	1
o-Xylene	ND		0.500	ug/L			12/04/23 10:26	1
p-Isopropyltoluene	ND		0.500	ug/L			12/04/23 10:26	1
sec-Butylbenzene	ND		0.500	ug/L			12/04/23 10:26	1
Styrene	ND		0.500	ug/L			12/04/23 10:26	1
t-Amyl methyl ether	ND		0.500	ug/L			12/04/23 10:26	1
t-Butyl alcohol	ND		25.0	ug/L			12/04/23 10:26	1
tert-Butylbenzene	ND		0.500	ug/L			12/04/23 10:26	1
Tetrachloroethene	ND		0.500	ug/L			12/04/23 10:26	1
Tetrahydrofuran	ND		7.00	ug/L			12/04/23 10:26	1
Toluene	ND		0.500	ug/L			12/04/23 10:26	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 10:26	1
Trichloroethene	ND		0.500	ug/L			12/04/23 10:26	1
Trichlorofluoromethane	ND		0.500	ug/L			12/04/23 10:26	1
Vinyl chloride	ND		0.500	ug/L			12/04/23 10:26	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			12/04/23 10:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	98		80 - 120		12/04/23 10:26	1
4-Bromofluorobenzene (Surr)	89		80 - 120		12/04/23 10:26	1

Client Sample Results

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

Job ID: 620-15550-1

Client Sample ID: 152 Forest Edge - MID

Lab Sample ID: 620-15550-2

Date Collected: 11/27/23 11:32

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 10:50	1
1,1,1-Trichloroethane	ND		0.500	ug/L			12/04/23 10:50	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			12/04/23 10:50	1
1,1,2-Trichloroethane	ND		0.500	ug/L			12/04/23 10:50	1
1,1-Dichloroethane	ND		0.500	ug/L			12/04/23 10:50	1
1,1-Dichloroethene	ND		0.500	ug/L			12/04/23 10:50	1
1,1-Dichloropropene	ND		0.500	ug/L			12/04/23 10:50	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			12/04/23 10:50	1
1,2,3-Trichloropropane	ND		0.500	ug/L			12/04/23 10:50	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			12/04/23 10:50	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			12/04/23 10:50	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			12/04/23 10:50	1
1,2-Dibromoethane	ND		0.500	ug/L			12/04/23 10:50	1
1,2-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:50	1
1,2-Dichloroethane	ND		0.500	ug/L			12/04/23 10:50	1
1,2-Dichloropropane	ND		0.500	ug/L			12/04/23 10:50	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			12/04/23 10:50	1
1,3-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:50	1
1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 10:50	1
1,4-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:50	1
2,2-Dichloropropane	ND		0.500	ug/L			12/04/23 10:50	1
2-Butanone	ND		5.00	ug/L			12/04/23 10:50	1
2-Chlorotoluene	ND		0.500	ug/L			12/04/23 10:50	1
2-Hexanone	ND		5.00	ug/L			12/04/23 10:50	1
4-Chlorotoluene	ND		0.500	ug/L			12/04/23 10:50	1
4-Methyl-2-pentanone	ND		5.00	ug/L			12/04/23 10:50	1
Acetone	ND		10.0	ug/L			12/04/23 10:50	1
Acrylonitrile	ND		10.0	ug/L			12/04/23 10:50	1
Benzene	ND		0.500	ug/L			12/04/23 10:50	1
Bromobenzene	ND		0.500	ug/L			12/04/23 10:50	1
Bromochloromethane	ND		0.500	ug/L			12/04/23 10:50	1
Bromodichloromethane	ND		0.500	ug/L			12/04/23 10:50	1
Bromoform	ND		0.500	ug/L			12/04/23 10:50	1
Bromomethane	ND		0.500	ug/L			12/04/23 10:50	1
Carbon disulfide	ND		2.00	ug/L			12/04/23 10:50	1
Carbon tetrachloride	ND		0.500	ug/L			12/04/23 10:50	1
Chlorobenzene	ND		0.500	ug/L			12/04/23 10:50	1
Chloroethane	ND		0.500	ug/L			12/04/23 10:50	1
Chloroform	ND		0.500	ug/L			12/04/23 10:50	1
Chloromethane	ND		0.500	ug/L			12/04/23 10:50	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 10:50	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 10:50	1
Dibromochloromethane	ND		0.500	ug/L			12/04/23 10:50	1
Dibromomethane	ND		0.500	ug/L			12/04/23 10:50	1
Dichlorodifluoromethane	ND		0.500	ug/L			12/04/23 10:50	1
di-Isopropyl ether	ND		0.500	ug/L			12/04/23 10:50	1
Ethyl ether	ND		0.500	ug/L			12/04/23 10:50	1
Ethyl t-butyl ether	ND		0.500	ug/L			12/04/23 10:50	1
Ethylbenzene	ND		0.500	ug/L			12/04/23 10:50	1

Eurofins New England

Client Sample Results

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

Job ID: 620-15550-1

Client Sample ID: 152 Forest Edge - MID

Lab Sample ID: 620-15550-2

Date Collected: 11/27/23 11:32

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 10:50	1
Hexachlorobutadiene	ND		0.500	ug/L			12/04/23 10:50	1
Isopropylbenzene	ND		0.500	ug/L			12/04/23 10:50	1
m&p-Xylene	ND		1.00	ug/L			12/04/23 10:50	1
Methyl tertiary butyl ether	ND		0.500	ug/L			12/04/23 10:50	1
Methylene Chloride	1.97		0.500	ug/L			12/04/23 10:50	1
Naphthalene	ND		0.500	ug/L			12/04/23 10:50	1
n-Butylbenzene	ND		0.500	ug/L			12/04/23 10:50	1
N-Propylbenzene	ND		0.500	ug/L			12/04/23 10:50	1
o-Xylene	ND		0.500	ug/L			12/04/23 10:50	1
p-Isopropyltoluene	ND		0.500	ug/L			12/04/23 10:50	1
sec-Butylbenzene	ND		0.500	ug/L			12/04/23 10:50	1
Styrene	ND		0.500	ug/L			12/04/23 10:50	1
t-Amyl methyl ether	ND		0.500	ug/L			12/04/23 10:50	1
t-Butyl alcohol	ND		25.0	ug/L			12/04/23 10:50	1
tert-Butylbenzene	ND		0.500	ug/L			12/04/23 10:50	1
Tetrachloroethene	ND		0.500	ug/L			12/04/23 10:50	1
Tetrahydrofuran	ND		7.00	ug/L			12/04/23 10:50	1
Toluene	ND		0.500	ug/L			12/04/23 10:50	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 10:50	1
Trichloroethene	ND		0.500	ug/L			12/04/23 10:50	1
Trichlorofluoromethane	ND		0.500	ug/L			12/04/23 10:50	1
Vinyl chloride	ND		0.500	ug/L			12/04/23 10:50	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			12/04/23 10:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	98		80 - 120		12/04/23 10:50	1
4-Bromofluorobenzene (Surr)	88		80 - 120		12/04/23 10:50	1

Client Sample Results

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

Job ID: 620-15550-1

Client Sample ID: 152 Forest Edge - INF

Lab Sample ID: 620-15550-3

Date Collected: 11/27/23 11:34

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 11:14	1
1,1,1-Trichloroethane	ND		0.500	ug/L			12/04/23 11:14	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			12/04/23 11:14	1
1,1,2-Trichloroethane	ND		0.500	ug/L			12/04/23 11:14	1
1,1-Dichloroethane	ND		0.500	ug/L			12/04/23 11:14	1
1,1-Dichloroethene	ND		0.500	ug/L			12/04/23 11:14	1
1,1-Dichloropropene	ND		0.500	ug/L			12/04/23 11:14	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			12/04/23 11:14	1
1,2,3-Trichloropropane	ND		0.500	ug/L			12/04/23 11:14	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			12/04/23 11:14	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			12/04/23 11:14	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			12/04/23 11:14	1
1,2-Dibromoethane	ND		0.500	ug/L			12/04/23 11:14	1
1,2-Dichlorobenzene	ND		0.500	ug/L			12/04/23 11:14	1
1,2-Dichloroethane	ND		0.500	ug/L			12/04/23 11:14	1
1,2-Dichloropropane	ND		0.500	ug/L			12/04/23 11:14	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			12/04/23 11:14	1
1,3-Dichlorobenzene	ND		0.500	ug/L			12/04/23 11:14	1
1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 11:14	1
1,4-Dichlorobenzene	ND		0.500	ug/L			12/04/23 11:14	1
2,2-Dichloropropane	ND		0.500	ug/L			12/04/23 11:14	1
2-Butanone	ND		5.00	ug/L			12/04/23 11:14	1
2-Chlorotoluene	ND		0.500	ug/L			12/04/23 11:14	1
2-Hexanone	ND		5.00	ug/L			12/04/23 11:14	1
4-Chlorotoluene	ND		0.500	ug/L			12/04/23 11:14	1
4-Methyl-2-pentanone	ND		5.00	ug/L			12/04/23 11:14	1
Acetone	ND		10.0	ug/L			12/04/23 11:14	1
Acrylonitrile	ND		10.0	ug/L			12/04/23 11:14	1
Benzene	ND		0.500	ug/L			12/04/23 11:14	1
Bromobenzene	ND		0.500	ug/L			12/04/23 11:14	1
Bromochloromethane	ND		0.500	ug/L			12/04/23 11:14	1
Bromodichloromethane	ND		0.500	ug/L			12/04/23 11:14	1
Bromoform	ND		0.500	ug/L			12/04/23 11:14	1
Bromomethane	ND		0.500	ug/L			12/04/23 11:14	1
Carbon disulfide	ND		2.00	ug/L			12/04/23 11:14	1
Carbon tetrachloride	ND		0.500	ug/L			12/04/23 11:14	1
Chlorobenzene	ND		0.500	ug/L			12/04/23 11:14	1
Chloroethane	ND		0.500	ug/L			12/04/23 11:14	1
Chloroform	ND		0.500	ug/L			12/04/23 11:14	1
Chloromethane	ND		0.500	ug/L			12/04/23 11:14	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 11:14	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 11:14	1
Dibromochloromethane	ND		0.500	ug/L			12/04/23 11:14	1
Dibromomethane	ND		0.500	ug/L			12/04/23 11:14	1
Dichlorodifluoromethane	ND		0.500	ug/L			12/04/23 11:14	1
di-Isopropyl ether	ND		0.500	ug/L			12/04/23 11:14	1
Ethyl ether	6.47		0.500	ug/L			12/04/23 11:14	1
Ethyl t-butyl ether	ND		0.500	ug/L			12/04/23 11:14	1
Ethylbenzene	ND		0.500	ug/L			12/04/23 11:14	1

Eurofins New England

Client Sample Results

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

Job ID: 620-15550-1

Client Sample ID: 152 Forest Edge - INF

Lab Sample ID: 620-15550-3

Date Collected: 11/27/23 11:34

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 11:14	1
Hexachlorobutadiene	ND		0.500	ug/L			12/04/23 11:14	1
Isopropylbenzene	ND		0.500	ug/L			12/04/23 11:14	1
m&p-Xylene	ND		1.00	ug/L			12/04/23 11:14	1
Methyl tertiary butyl ether	ND		0.500	ug/L			12/04/23 11:14	1
Methylene Chloride	12.2		0.500	ug/L			12/04/23 11:14	1
Naphthalene	ND		0.500	ug/L			12/04/23 11:14	1
n-Butylbenzene	ND		0.500	ug/L			12/04/23 11:14	1
N-Propylbenzene	ND		0.500	ug/L			12/04/23 11:14	1
o-Xylene	ND		0.500	ug/L			12/04/23 11:14	1
p-Isopropyltoluene	ND		0.500	ug/L			12/04/23 11:14	1
sec-Butylbenzene	ND		0.500	ug/L			12/04/23 11:14	1
Styrene	ND		0.500	ug/L			12/04/23 11:14	1
t-Amyl methyl ether	ND		0.500	ug/L			12/04/23 11:14	1
t-Butyl alcohol	ND		25.0	ug/L			12/04/23 11:14	1
tert-Butylbenzene	ND		0.500	ug/L			12/04/23 11:14	1
Tetrachloroethene	ND		0.500	ug/L			12/04/23 11:14	1
Tetrahydrofuran	18.4		7.00	ug/L			12/04/23 11:14	1
Toluene	ND		0.500	ug/L			12/04/23 11:14	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 11:14	1
Trichloroethene	ND		0.500	ug/L			12/04/23 11:14	1
Trichlorofluoromethane	ND		0.500	ug/L			12/04/23 11:14	1
Vinyl chloride	ND		0.500	ug/L			12/04/23 11:14	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			12/04/23 11:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	99		80 - 120		12/04/23 11:14	1
4-Bromofluorobenzene (Surr)	88		80 - 120		12/04/23 11:14	1

Client Sample Results

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

Job ID: 620-15550-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-15550-4

Date Collected: 11/27/23 12:00

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 11:39	1
1,1,1-Trichloroethane	ND		0.500	ug/L			12/04/23 11:39	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			12/04/23 11:39	1
1,1,2-Trichloroethane	ND		0.500	ug/L			12/04/23 11:39	1
1,1-Dichloroethane	ND		0.500	ug/L			12/04/23 11:39	1
1,1-Dichloroethene	ND		0.500	ug/L			12/04/23 11:39	1
1,1-Dichloropropene	ND		0.500	ug/L			12/04/23 11:39	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			12/04/23 11:39	1
1,2,3-Trichloropropane	ND		0.500	ug/L			12/04/23 11:39	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			12/04/23 11:39	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			12/04/23 11:39	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			12/04/23 11:39	1
1,2-Dibromoethane	ND		0.500	ug/L			12/04/23 11:39	1
1,2-Dichlorobenzene	ND		0.500	ug/L			12/04/23 11:39	1
1,2-Dichloroethane	ND		0.500	ug/L			12/04/23 11:39	1
1,2-Dichloropropane	ND		0.500	ug/L			12/04/23 11:39	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			12/04/23 11:39	1
1,3-Dichlorobenzene	ND		0.500	ug/L			12/04/23 11:39	1
1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 11:39	1
1,4-Dichlorobenzene	ND		0.500	ug/L			12/04/23 11:39	1
2,2-Dichloropropane	ND		0.500	ug/L			12/04/23 11:39	1
2-Butanone	ND		5.00	ug/L			12/04/23 11:39	1
2-Chlorotoluene	ND		0.500	ug/L			12/04/23 11:39	1
2-Hexanone	ND		5.00	ug/L			12/04/23 11:39	1
4-Chlorotoluene	ND		0.500	ug/L			12/04/23 11:39	1
4-Methyl-2-pentanone	ND		5.00	ug/L			12/04/23 11:39	1
Acetone	10.1		10.0	ug/L			12/04/23 11:39	1
Acrylonitrile	ND		10.0	ug/L			12/04/23 11:39	1
Benzene	ND		0.500	ug/L			12/04/23 11:39	1
Bromobenzene	ND		0.500	ug/L			12/04/23 11:39	1
Bromochloromethane	ND		0.500	ug/L			12/04/23 11:39	1
Bromodichloromethane	ND		0.500	ug/L			12/04/23 11:39	1
Bromoform	ND		0.500	ug/L			12/04/23 11:39	1
Bromomethane	ND		0.500	ug/L			12/04/23 11:39	1
Carbon disulfide	ND		2.00	ug/L			12/04/23 11:39	1
Carbon tetrachloride	ND		0.500	ug/L			12/04/23 11:39	1
Chlorobenzene	ND		0.500	ug/L			12/04/23 11:39	1
Chloroethane	ND		0.500	ug/L			12/04/23 11:39	1
Chloroform	ND		0.500	ug/L			12/04/23 11:39	1
Chloromethane	ND		0.500	ug/L			12/04/23 11:39	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 11:39	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 11:39	1
Dibromochloromethane	ND		0.500	ug/L			12/04/23 11:39	1
Dibromomethane	ND		0.500	ug/L			12/04/23 11:39	1
Dichlorodifluoromethane	ND		0.500	ug/L			12/04/23 11:39	1
di-Isopropyl ether	ND		0.500	ug/L			12/04/23 11:39	1
Ethyl ether	ND		0.500	ug/L			12/04/23 11:39	1
Ethyl t-butyl ether	ND		0.500	ug/L			12/04/23 11:39	1
Ethylbenzene	ND		0.500	ug/L			12/04/23 11:39	1

Eurofins New England

Client Sample Results

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

Job ID: 620-15550-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-15550-4

Date Collected: 11/27/23 12:00

Matrix: Drinking Water

Date Received: 11/29/23 11:12

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			12/04/23 11:39	1
Hexachlorobutadiene	ND		0.500	ug/L			12/04/23 11:39	1
Isopropylbenzene	ND		0.500	ug/L			12/04/23 11:39	1
m&p-Xylene	ND		1.00	ug/L			12/04/23 11:39	1
Methyl tertiary butyl ether	ND		0.500	ug/L			12/04/23 11:39	1
Methylene Chloride	ND		0.500	ug/L			12/04/23 11:39	1
Naphthalene	ND		0.500	ug/L			12/04/23 11:39	1
n-Butylbenzene	ND		0.500	ug/L			12/04/23 11:39	1
N-Propylbenzene	ND		0.500	ug/L			12/04/23 11:39	1
o-Xylene	ND		0.500	ug/L			12/04/23 11:39	1
p-Isopropyltoluene	ND		0.500	ug/L			12/04/23 11:39	1
sec-Butylbenzene	ND		0.500	ug/L			12/04/23 11:39	1
Styrene	ND		0.500	ug/L			12/04/23 11:39	1
t-Amyl methyl ether	ND		0.500	ug/L			12/04/23 11:39	1
t-Butyl alcohol	ND		25.0	ug/L			12/04/23 11:39	1
tert-Butylbenzene	ND		0.500	ug/L			12/04/23 11:39	1
Tetrachloroethene	ND		0.500	ug/L			12/04/23 11:39	1
Tetrahydrofuran	ND		7.00	ug/L			12/04/23 11:39	1
Toluene	ND		0.500	ug/L			12/04/23 11:39	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 11:39	1
Trichloroethene	ND		0.500	ug/L			12/04/23 11:39	1
Trichlorofluoromethane	ND		0.500	ug/L			12/04/23 11:39	1
Vinyl chloride	ND		0.500	ug/L			12/04/23 11:39	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			12/04/23 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	99		80 - 120		12/04/23 11:39	1
4-Bromofluorobenzene (Surr)	89		80 - 120		12/04/23 11:39	1

Surrogate Summary

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

Job ID: 620-15550-1

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)
620-15550-1	152 Forest Edge - EFF	98	89
620-15550-2	152 Forest Edge - MID	98	88
620-15550-3	152 Forest Edge - INF	99	88
620-15550-4	Trip Blank	99	89
LCS 410-449687/4	Lab Control Sample	102	95
MB 410-449687/6	Method Blank	95	88

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: 620-15550-1

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

Lab Sample ID: MB 410-449687/6
Matrix: Drinking Water
Analysis Batch: 449687

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			12/04/23 10:02	1
1,1,1-Trichloroethane	ND		0.500	ug/L			12/04/23 10:02	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			12/04/23 10:02	1
1,1,2-Trichloroethane	ND		0.500	ug/L			12/04/23 10:02	1
1,1-Dichloroethane	ND		0.500	ug/L			12/04/23 10:02	1
1,1-Dichloroethene	ND		0.500	ug/L			12/04/23 10:02	1
1,1-Dichloropropene	ND		0.500	ug/L			12/04/23 10:02	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			12/04/23 10:02	1
1,2,3-Trichloropropane	ND		0.500	ug/L			12/04/23 10:02	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			12/04/23 10:02	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			12/04/23 10:02	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			12/04/23 10:02	1
1,2-Dibromoethane	ND		0.500	ug/L			12/04/23 10:02	1
1,2-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:02	1
1,2-Dichloroethane	ND		0.500	ug/L			12/04/23 10:02	1
1,2-Dichloropropane	ND		0.500	ug/L			12/04/23 10:02	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			12/04/23 10:02	1
1,3-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:02	1
1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 10:02	1
1,4-Dichlorobenzene	ND		0.500	ug/L			12/04/23 10:02	1
2,2-Dichloropropane	ND		0.500	ug/L			12/04/23 10:02	1
2-Butanone	ND		5.00	ug/L			12/04/23 10:02	1
2-Chlorotoluene	ND		0.500	ug/L			12/04/23 10:02	1
2-Hexanone	ND		5.00	ug/L			12/04/23 10:02	1
4-Chlorotoluene	ND		0.500	ug/L			12/04/23 10:02	1
4-Methyl-2-pentanone	ND		5.00	ug/L			12/04/23 10:02	1
Acetone	ND		10.0	ug/L			12/04/23 10:02	1
Acrylonitrile	ND		10.0	ug/L			12/04/23 10:02	1
Benzene	ND		0.500	ug/L			12/04/23 10:02	1
Bromobenzene	ND		0.500	ug/L			12/04/23 10:02	1
Bromochloromethane	ND		0.500	ug/L			12/04/23 10:02	1
Bromodichloromethane	ND		0.500	ug/L			12/04/23 10:02	1
Bromoform	ND		0.500	ug/L			12/04/23 10:02	1
Bromomethane	ND		0.500	ug/L			12/04/23 10:02	1
Carbon disulfide	ND		2.00	ug/L			12/04/23 10:02	1
Carbon tetrachloride	ND		0.500	ug/L			12/04/23 10:02	1
Chlorobenzene	ND		0.500	ug/L			12/04/23 10:02	1
Chloroethane	ND		0.500	ug/L			12/04/23 10:02	1
Chloroform	ND		0.500	ug/L			12/04/23 10:02	1
Chloromethane	ND		0.500	ug/L			12/04/23 10:02	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 10:02	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			12/04/23 10:02	1
Dibromochloromethane	ND		0.500	ug/L			12/04/23 10:02	1
Dibromomethane	ND		0.500	ug/L			12/04/23 10:02	1
Dichlorodifluoromethane	ND		0.500	ug/L			12/04/23 10:02	1
di-Isopropyl ether	ND		0.500	ug/L			12/04/23 10:02	1
Ethyl ether	ND		0.500	ug/L			12/04/23 10:02	1
Ethyl t-butyl ether	ND		0.500	ug/L			12/04/23 10:02	1

Eurofins New England

QC Sample Results

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

Job ID: 620-15550-1

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

Lab Sample ID: MB 410-449687/6
Matrix: Drinking Water
Analysis Batch: 449687

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			12/04/23 10:02	1
Freon 113	ND		0.500	ug/L			12/04/23 10:02	1
Hexachlorobutadiene	ND		0.500	ug/L			12/04/23 10:02	1
Isopropylbenzene	ND		0.500	ug/L			12/04/23 10:02	1
m&p-Xylene	ND		1.00	ug/L			12/04/23 10:02	1
Methyl tertiary butyl ether	ND		0.500	ug/L			12/04/23 10:02	1
Methylene Chloride	ND		0.500	ug/L			12/04/23 10:02	1
Naphthalene	ND		0.500	ug/L			12/04/23 10:02	1
n-Butylbenzene	ND		0.500	ug/L			12/04/23 10:02	1
N-Propylbenzene	ND		0.500	ug/L			12/04/23 10:02	1
o-Xylene	ND		0.500	ug/L			12/04/23 10:02	1
p-Isopropyltoluene	ND		0.500	ug/L			12/04/23 10:02	1
sec-Butylbenzene	ND		0.500	ug/L			12/04/23 10:02	1
Styrene	ND		0.500	ug/L			12/04/23 10:02	1
t-Amyl methyl ether	ND		0.500	ug/L			12/04/23 10:02	1
t-Butyl alcohol	ND		25.0	ug/L			12/04/23 10:02	1
tert-Butylbenzene	ND		0.500	ug/L			12/04/23 10:02	1
Tetrachloroethene	ND		0.500	ug/L			12/04/23 10:02	1
Tetrahydrofuran	ND		7.00	ug/L			12/04/23 10:02	1
Toluene	ND		0.500	ug/L			12/04/23 10:02	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			12/04/23 10:02	1
Trichloroethene	ND		0.500	ug/L			12/04/23 10:02	1
Trichlorofluoromethane	ND		0.500	ug/L			12/04/23 10:02	1
Vinyl chloride	ND		0.500	ug/L			12/04/23 10:02	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			12/04/23 10:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	95		80 - 120		12/04/23 10:02	1
4-Bromofluorobenzene (Surr)	88		80 - 120		12/04/23 10:02	1

Lab Sample ID: LCS 410-449687/4
Matrix: Drinking Water
Analysis Batch: 449687

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	5.038		ug/L		101	70 - 130
1,1,1-Trichloroethane	5.00	5.099		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.195		ug/L		104	70 - 130
1,1,2-Trichloroethane	5.00	5.302		ug/L		106	70 - 130
1,1-Dichloroethane	5.00	5.491		ug/L		110	70 - 130
1,1-Dichloroethene	5.00	5.570		ug/L		111	70 - 130
1,1-Dichloropropene	5.00	4.860		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	5.00	5.007		ug/L		100	70 - 130
1,2,3-Trichloropropane	5.00	5.378		ug/L		108	70 - 130
1,2,4-Trichlorobenzene	5.00	4.810		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	5.00	5.176		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.923		ug/L		98	70 - 130
1,2-Dibromoethane	5.00	5.011		ug/L		100	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-15550-1

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

Lab Sample ID: LCS 410-449687/4
Matrix: Drinking Water
Analysis Batch: 449687

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	5.147		ug/L		103	70 - 130
1,2-Dichloroethane	5.00	5.290		ug/L		106	70 - 130
1,2-Dichloropropane	5.00	5.201		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	5.00	5.051		ug/L		101	70 - 130
1,3-Dichlorobenzene	5.00	5.047		ug/L		101	70 - 130
1,3-Dichloropropane	5.00	5.167		ug/L		103	70 - 130
1,4-Dichlorobenzene	5.00	5.199		ug/L		104	70 - 130
2,2-Dichloropropane	5.00	5.321		ug/L		106	70 - 130
2-Butanone	62.5	74.16		ug/L		119	70 - 130
2-Chlorotoluene	5.00	4.853		ug/L		97	70 - 130
2-Hexanone	62.5	63.55		ug/L		102	70 - 130
4-Chlorotoluene	5.00	4.879		ug/L		98	70 - 130
4-Methyl-2-pentanone	62.5	64.26		ug/L		103	70 - 130
Acetone	62.5	76.61		ug/L		123	70 - 130
Acrylonitrile	113	133.7		ug/L		119	70 - 130
Benzene	5.00	4.977		ug/L		100	70 - 130
Bromobenzene	5.00	4.842		ug/L		97	70 - 130
Bromochloromethane	5.00	5.260		ug/L		105	70 - 130
Bromodichloromethane	5.00	5.350		ug/L		107	70 - 130
Bromoform	5.00	5.288		ug/L		106	70 - 130
Bromomethane	2.00	2.274		ug/L		114	70 - 130
Carbon disulfide	5.00	5.245		ug/L		105	70 - 130
Carbon tetrachloride	5.00	5.052		ug/L		101	70 - 130
Chlorobenzene	5.00	4.875		ug/L		97	70 - 130
Chloroethane	2.00	2.272		ug/L		114	70 - 130
Chloroform	5.00	5.223		ug/L		104	70 - 130
Chloromethane	2.00	2.265		ug/L		113	70 - 130
cis-1,2-Dichloroethene	5.00	5.279		ug/L		106	70 - 130
cis-1,3-Dichloropropene	5.00	4.657		ug/L		93	70 - 130
Dibromochloromethane	5.00	5.357		ug/L		107	70 - 130
Dibromomethane	5.00	5.211		ug/L		104	70 - 130
Dichlorodifluoromethane	2.00	1.995		ug/L		100	70 - 130
di-Isopropyl ether	5.00	4.993		ug/L		100	70 - 130
Ethyl ether	5.00	5.298		ug/L		106	70 - 130
Ethyl t-butyl ether	5.00	5.216		ug/L		104	70 - 130
Ethylbenzene	5.00	5.045		ug/L		101	70 - 130
Freon 113	5.00	4.462		ug/L		89	70 - 130
Hexachlorobutadiene	5.00	4.994		ug/L		100	70 - 130
Isopropylbenzene	5.00	5.171		ug/L		103	70 - 130
m&p-Xylene	10.0	10.04		ug/L		100	70 - 130
Methyl tertiary butyl ether	5.00	5.163		ug/L		103	70 - 130
Methylene Chloride	5.00	5.344		ug/L		107	70 - 130
Naphthalene	5.00	5.085		ug/L		102	70 - 130
n-Butylbenzene	5.00	5.193		ug/L		104	70 - 130
N-Propylbenzene	5.00	4.993		ug/L		100	70 - 130
o-Xylene	5.00	4.793		ug/L		96	70 - 130
p-Isopropyltoluene	5.00	4.948		ug/L		99	70 - 130
sec-Butylbenzene	5.00	4.761		ug/L		95	70 - 130
Styrene	5.00	5.055		ug/L		101	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-15550-1

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

Lab Sample ID: LCS 410-449687/4
Matrix: Drinking Water
Analysis Batch: 449687

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	4.632		ug/L		93	70 - 130
t-Butyl alcohol	50.0	55.96		ug/L		112	70 - 130
tert-Butylbenzene	5.00	4.731		ug/L		95	70 - 130
Tetrachloroethene	5.00	4.801		ug/L		96	70 - 130
Tetrahydrofuran	46.9	47.44		ug/L		101	70 - 130
Toluene	5.00	4.938		ug/L		99	70 - 130
trans-1,2-Dichloroethene	5.00	5.280		ug/L		106	70 - 130
Trichloroethene	5.00	4.919		ug/L		98	70 - 130
Trichlorofluoromethane	2.00	2.177		ug/L		109	70 - 130
Vinyl chloride	2.00	2.140		ug/L		107	70 - 130
trans-1,3-Dichloropropene	5.00	4.932		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120

QC Association Summary

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

Job ID: 620-15550-1

GC/MS VOA

Analysis Batch: 449687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-15550-1	152 Forest Edge - EFF	Total/NA	Drinking Water	524.2	
620-15550-2	152 Forest Edge - MID	Total/NA	Drinking Water	524.2	
620-15550-3	152 Forest Edge - INF	Total/NA	Drinking Water	524.2	
620-15550-4	Trip Blank	Total/NA	Drinking Water	524.2	
MB 410-449687/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-449687/4	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: 620-15550-1

Client Sample ID: 152 Forest Edge - EFF

Date Collected: 11/27/23 11:30

Date Received: 11/29/23 11:12

Lab Sample ID: 620-15550-1

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	449687	UJML	ELLE	12/04/23 10:26

Client Sample ID: 152 Forest Edge - MID

Date Collected: 11/27/23 11:32

Date Received: 11/29/23 11:12

Lab Sample ID: 620-15550-2

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	449687	UJML	ELLE	12/04/23 10:50

Client Sample ID: 152 Forest Edge - INF

Date Collected: 11/27/23 11:34

Date Received: 11/29/23 11:12

Lab Sample ID: 620-15550-3

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	449687	UJML	ELLE	12/04/23 11:14

Client Sample ID: Trip Blank

Date Collected: 11/27/23 12:00

Date Received: 11/29/23 11:12

Lab Sample ID: 620-15550-4

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	449687	UJML	ELLE	12/04/23 11:39

Laboratory References:

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: 620-15550-1

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	10-28-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
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: 620-15550-1

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: 620-15550-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-15550-1	152 Forest Edge - EFF	Drinking Water	11/27/23 11:30	11/29/23 11:12
620-15550-2	152 Forest Edge - MID	Drinking Water	11/27/23 11:32	11/29/23 11:12
620-15550-3	152 Forest Edge - INF	Drinking Water	11/27/23 11:34	11/29/23 11:12
620-15550-4	Trip Blank	Drinking Water	11/27/23 12:00	11/29/23 11:12

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620-15550 Chain of Custody

Ant Testing and

CHAIN OF CUSTODY RECORD

15550

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

Page 1 of 1

Report To: Kathna Mattice
Stone Environmental
535 Stone Galleria Way
Montpelier, VT 05602
802-227-6434
 Kathna Mattice

Telephone #: _____
 Project Mgr: _____

Invoice To: Dana Kayfman
Europa's Lancaster Laboratories

Project No: 2021205
 Site Name: Hinesburg LF
 Location: Hinesburg State: VT
 Sampler(s): LMP

Quote #: _____
 PO No: _____

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 12= _____
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____

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= _____

Lab ID:	Sample ID:	Date:	Time:	Type:	Containers			Check if chlorinated
					# of VOA Vials	# of Amber Glass	# of Clear Glass	
-1	152 Forest Edge - EFF	11/27/23	11:30	GI	3			
-2	152 Forest Edge - MID	11/27/23	11:32	GI	3			
-3	152 Forest Edge - INF	11/27/23	11:34	GI	3			
-4	Imp Blank	11/27/23	12:00	GI	3			

Matrix: _____

Received by: Rakshini Pillai
 Relinquished by: [Signature]

Date: 11/27/23 Time: 13:27 Temp °C: 5.7
 Date: 11/29/23 Time: 11:17 Temp °C: 5.4

Observed: _____
 Connection Factor: _____
 IR ID: 6

Analysis	MADEP/MCP/CAM Report?	CT/DPH/RCP Report?	DQA*	ASP A*	NI Reduced*	Tier II*	ASP B*	NI Fuji*	Tier IV*	Other
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Standard <input type="checkbox"/> No QC	<input type="checkbox"/> ASP A* <input type="checkbox"/> No	<input type="checkbox"/> NI Reduced* <input type="checkbox"/> No	<input type="checkbox"/> Tier II* <input type="checkbox"/> No	<input type="checkbox"/> ASP B* <input type="checkbox"/> No	<input type="checkbox"/> NI Fuji* <input type="checkbox"/> No	<input type="checkbox"/> Tier IV* <input type="checkbox"/> No	<input type="checkbox"/> Other _____

* additional charges may apply

List Preservative Code below:

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

EDD format: Equs EZ EDD
 E-mail to: kmattice@stone-env.com

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Part # 159489-424 INTL EXP 08/24

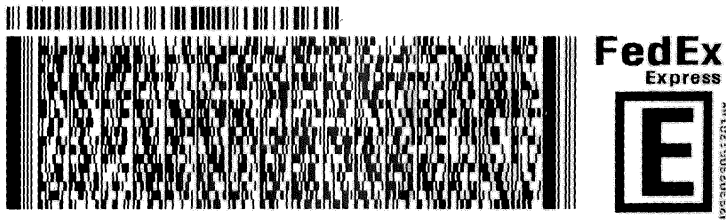
ORIGIN ID:BTVA (802) 660-1990
SAMPLE RECEIVING
TEST AMERICA
530 COMMUNITY DRIVE
SUITE 11
BURLINGTON, VT 05401
UNITED STATES US

SHIP DATE: 27NOV23
ACTWT: 9.00 LB MAN
CAD: 000890364/CAFE3755
DIMS: 12x9x9 IN
BILL RECIPIENT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

INU: REF: DEPT:
PO:

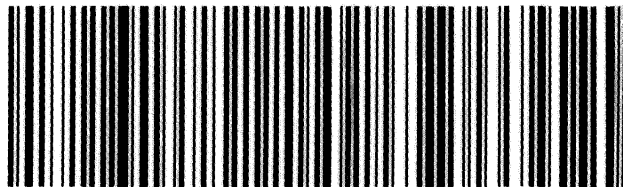


TRK# 7144 5871 7051
0201

TUE - 28 NOV 12:00P
PRIORITY OVERNIGHT

XS NCOA

02852
RI-US PVD



Eurofins New England

646 Camp Ave
 North Kingstown, RI 02852
 Phone: 413-789-9018 Fax: 413-506-3830

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)				Sampler	Lab PM: Huntley, Agnes R	Carrier Tracking No(s):	COC No: 620-12509.1						
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 #: 620-15550-1						
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email:				Due Date Requested: 12/12/2023	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 #			
Project #: 62000809				SSOW#:	Field Filtered Sample (Yes or No)			Total Number of Containers					
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)	524.2_Preserved/ (MCD) Regulated + THW's	PRE_SCREEN	Special Instructions/Note:
152 Forest Edge - EFF (620-15550-1)				11/27/23	11:30 Eastern	Drinking Water		X	X			2	
152 Forest Edge - MID (620-15550-2)				11/27/23	11:32 Eastern	Drinking Water		X	X			3	
152 Forest Edge - INF (620-15550-3)				11/27/23	11:34 Eastern	Drinking Water		X	X			3	
Trip Blank (620-15550-4)				11/27/23	12:00 Eastern	Drinking Water		X	X			3	
<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/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.</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: 11/29/23 17:58	Company: <i>[Signature]</i>	Received by:		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: 11/30/23 09:45	Company: ELIET				
Custody Seals Intact: Δ Yes Δ No				Custody Seal No.:		Cooler Temperature(s) / C and Other Remarks: 12 - 0.5 C = -0.2							



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-15550-1

Login Number: 15550

List Source: Eurofins New England

List Number: 1

Creator: Makhoul, Elie

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: 620-15550-1

Login Number: 15550
List Number: 2
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 11/30/23 10:57 AM

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 acceptable, where thermal pres is required ($\leq 6C$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6C$, 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	

