

Spring 2022 Groundwater Monitoring Report: Town of Hinesburg, Closed Solid Municipal Waste Landfill

907 Beecher Hill Rd., Hinesburg, VT
August 31, 2022



STONE
ENVIRONMENTAL



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Title and Approval Page

Document Title

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August 31, 2022

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Executive Summary

Stone Environmental, Inc (Stone) has prepared this report to summarize findings from 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 3, 2021.

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

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

Groundwater monitoring fieldwork was completed from May 11 through June 9, 2022. Six monitoring wells were sampled and analyzed for PFAS, volatile organic compounds (VOCs), total metals, sodium, chloride, and chemical oxygen demand. Drinking water supply samples were collected from three locations including 152 Forest Edge Road, 56 Forest Edge Road/685 Beecher Hill Road, and Hinesburg Town Garage. Drinking water was analyzed for VOCs and PFAS. Surface water was monitored for physiochemical parameters upstream and downstream of the landfill.

Based on the results of the spring 2022 groundwater monitoring, Stone presents the following conclusions:

- PFHpA, PFHxS, and/or PFOA were detected in groundwater above their respective VGES in monitoring wells MW-3S, MW-3D, and MW-4S. Total regulated PFAS exceed VGES in each of these wells.
 - The monitoring wells with PFAS exceedances are located hydraulically downgradient from the landfill.

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- The downward hydraulic flow component from the overburden to bedrock aquifer, the steep overburden hydraulic gradient, and the lack of a confining layer (overburden soils consisted of sand and gravel) is allowing the leachate contamination to migrate significantly from the landfill. The extent of migration has not been defined to the southeast.
 - Arsenic was detected above the VGES concentrations within groundwater collected from monitoring wells MW-2S, MW-3S, MW-3D and MW-4S. Manganese exceeded the VGES in MW-1R, MW-2S, MW-3S, and MW-3D.
 - The generally reducing groundwater environment observed surrounding the landfill may be driving reductive dissolution of heavy metals from landfill material or from native soils. Reducing conditions were not observed in MW-4D and this location did not have any total metal exceedances. Reducing conditions were not observed in MW-3S, however other leachate indicator parameters were detected in MW-3S, and total metals exceedances in MW-3S are likely related to heavy metals in the landfill material.
 - Manganese was detected in the upgradient well MW-1R where reducing conditions were present, however manganese concentrations increase downgradient of landfill.
 - Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<5,000 µg/L; MW-1) to 35,600 µg/L (MW-3D). Sodium concentrations in groundwater ranged from 2,840 µg/L (MW-2S) to 75,400 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 for all samples, except for the field duplicate collected at MW-4D (241 mg/L).
 - The relatively low COD concentrations are consistent with a mature closed landfill.
 - Drinking water supply well, 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).
 - Regulated PFAS compounds were detected in 152 Forest Edge Road and 56 Forest Edge Road water supplies below the DWHA/VGES.
 - The POET systems installed at Hinesburg Highway Garage and 152 Forest Edge Road are effective at removing monitored PFAS to below laboratory reporting limits in both the mid and effluent locations.
 - No VOCs were detected above VGES concentrations in any of the groundwater samples.
 - 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 has breakthrough of methylene chloride below the DWHA/VGES in the mid location. Methylene chloride was not detected above the laboratory reporting limit in the effluent.
 - Surface water physiochemical parameters upstream and downstream of the landfill were similar, with aerobic conditions in surface water and low conductivity. Leachate does not appear to be migrating to surface water.

Based on these data, Stone makes the following recommendations:

1. Continued semi-annual monitoring of seven monitoring wells, MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D for PFAS, VOCs, total metals including arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc, chloride, sodium and COD.

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- i. Monitoring well MW-2D will be rehabilitated prior to the October 2022 event.
 1. 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, DO, ORP, and turbidity.
 2. Continued semi-annual monitoring of drinking water supplies including 152 Forest Edge Road, 56 Forest Edge Road/685 Beecher Hill Road, and Hinesburg Highway Garage for PFAS and VOCs.
 - i. For 152 Forest Edge Road and Hinesburg Highway Garage POET systems, additional samples should be collected from the mid and effluent sample locations for PFAS and VOCs analysis.
 3. Continued operations and maintenance of the POET systems.
 - i. The lead carbon vessel at 152 Forest Edge Road is scheduled to be replaced, and the lag vessel will be moved to the lead.

Spring 2022 Groundwater Monitoring Report: Town of Hinesburg, Closed Solid Waste Municipal Landfill

Cover Photo: Aerial view of closed Hinesburg landfill.

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1. Introduction

Stone Environmental, Inc (Stone) has prepared this report to summarize findings from spring 2022 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.

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:

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- 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 Town 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 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.

2. Methods

2.1. Deviations to proposed scope of work

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

1. The initial groundwater assessment was performed on May 11 and 18, 2022. Samples were packed on ice and delivered under chain of custody to Eurofins Test America (Eurofins) of South Burlington, Vermont in three separate coolers. The samples were shipped by Eurofins South Burlington to Eurofins New England located in Rhode Island. During shipment, two of the three coolers did not arrive at the laboratory as overnight delivery. When the two coolers did arrive four days later the samples were out of temperature (greater than 6 degrees Celsius). Stone contacted both the Town of Hinesburg and Vermont DEC Solid Waste Department on May 27, 2022 to indicated groundwater samples were received out of temperature and would be recollected on June 6 and June 9, 2022.
2. A groundwater sample was not collected from MW-2D. The bladder pump was lowered in the well on June 6, 2022 and became stuck at 111 feet below ground surface. The total depth of the well is 124 feet below ground surface. Stone attempted to retrieve the bladder pump without success. Stone plans to make a separate mobilization to retrieve the bladder pump or reinstall the monitoring well.
3. The low flow form is not available for MW-2S.
4. A field duplicate sample was not collected from well MW-4D for sodium and chloride because MW-4D went dry during sampling.
5. MW-3S was not analyzed for chloride due to laboratory oversight.

2.2. Monitoring well MW-1 Replacement

On May 4 and 6, 2022, Stone performed oversight for the reinstallation of monitoring well MW-1. MW-1 was previously gauged dry during two monitoring events (June 2021 and December 2021) and was determined to be screened above the water table. The steel protective casing was removed and the monitoring well screen and riser was removed using a drill rig. The borehole annular space was backfilled with sand.

Monitoring well MW-1 was replaced (MW-1R) and the shallow well was screened at the top of the water table. The monitoring well was installed using hollow stem auger transitioning to drive and waste techniques. The well construction is included in Table 1 below and the boring log is attached in Appendix B.

Table 1: Monitoring Well Construction

Monitoring Well	Construction Material	Screened Depth
MW-1R	2-inch PVC	37-47 feet bgs

Stone developed the newly installed well using a bailer and surged the well until clear. The purge water was contained in a 55-gallon drum pending disposal. The disposal pickup occurred on August 17, 2022.

2.3. 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 ¼-inch outer diameter high density polyethylene (HDPE) tubing. Depth to water was measured with a water level meter, and physical and chemical field parameters (pH, specific conductance, temperature, dissolved oxygen [DO], and oxidation reduction potential [ORP]) were measured using a calibrated multi-parameter water quality meter equipped with a flow-through cell system. Turbidity was measured using a standalone turbidity meter. The monitoring wells were purged until the following parameters had stabilized:

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

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

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

2.4. Water Supply Well and POET Sampling

Drinking water supply samples were collected from three locations including 152 Forest Edge Road, 56 Forest Edge Road/685 Beecher Hill Road, and Hinesburg Town Garage located at 907 Beecher Hill Road.

For 56 Forest Edge Road/685 Beecher Hill Road, the drinking water sample was collected from the kitchen sink of 56 Forest Edge Road because the pressure tank could not be accessed. Previously the sample was reported to be collected from the dug well located on 685 Beecher Hill Road, however the property owners were not home at 685 Beecher Hill Road to grant access. The water was purged for 10 minutes prior to sample collection.

The water supplies at 152 Forest Edge Road and Hinesburg Town Garage 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, a sample post-treatment, and a sample from between the carbon filters.

Drinking water samples were collected in appropriate containers, placed in an ice-filled cooler, and transported under chain of custody procedures to Eurofins Environment Testing America. Drinking water samples were analyzed for VOCs by EPA method 524.2 and PFAS by method 537.1 modified with isotope dilution and including a 24-compound list.

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 contained in a DOT approved 55-gallon drum on-site. The 55-gallon drum was picked up for disposal on August 17, 2022 and the waste manifest will be submitted under separate cover.

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: Groundwater PFAS Analytical Results
- Table C-2: Groundwater VOC Analytical Results
- Table C-3: Groundwater Metals Analytical Results
- Table C-4: Groundwater Wet Chemistry Analytical Results
- Table C-5: Drinking Water PFAS Analytical Results
- Table C-6: Drinking Water VOC Analytical Results
- Table C-7 through 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. Soil Assessment

Soils consisted of fine to coarse sand with some trace silt and gravel. A large boulder of gray and white quartz-sericite-chlorite was encountered during the installation of MW-1R from 36 to 40 feet bgs. Moist, red mottled sands were observed at 31 feet and 32 feet above the boulder.

3.3. Potentiometric Surface

Elevation of potentiometric surface in overburden monitoring wells relative to mean sea level, ranged between 641.38 feet (MW-1R) to 566.09 feet (MW-3S) as measured on May 11 and June 7 and 9, 2022. Direction of overburden groundwater flow is inferred to be generally to the southeast at an approximately 5.4% hydraulic gradient. Elevation of potentiometric surface in bedrock monitoring wells relative to mean sea level, ranged between 564.16 feet (MW-2D) to 544.41 feet (MW-3D) as measured on June 7 and June 9, 2022. Direction of bedrock groundwater flow is generally to the southeast at an approximately 2.8% 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 2 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 2: Groundwater Elevations, Spring 2022

Location ID	Date of Measurement	Top of Casing Elevation (feet)	Depth to Water (feet, TOC)	Water Table Elevation (feet)
MW-1R	June 7, 2022	676.51	35.13	641.38
MW-2S	--	658.79	--	--
MW-3S	May 11, 2022	598.25	32.16	566.09
MW-4S	June 7, 2022	624.35	37.84	586.51
MW-2D	June 7, 2022	656.02	91.86	564.16
MW-3D	June 9, 2022	596.17	51.76	544.41
MW-4D	June 7, 2022	623.17	70.78	552.39

3.4. Groundwater Quality Results

3.4.1. Physiochemical Parameters

The physiochemical properties measured at the end of low flow purging on May 11, June 7, and June 9, 2022 are presented in Table 3, below:

Table 3: Physical and Chemical Parameters, Spring 2022

Location	Temperature (°C)	pH (s.u.)	DO (mg/L)	ORP (mV)	Conductivity (µS)	Turbidity (NTU)
MW-1R	15.1	8.54	1.16	-116.9	132.5	283
MW-2S	--	--	--	--	--	--
MW-3S	12.7	6.70	0.10	44.0	963	29.7
MW-3D	12.7	6.79	0.18	-1.1	1760	7.39
MW-4S	12.7	5.99	0.39	-9.8	1416	8.15
MW-4D	12.0	7.19	2.19	53.4	547.3	88.0

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 -116.9 mV in MW-1R to 53.4 in MW-4D. DO values were low, except for MW-1R and MW-4D (less than 0.5 mg/L). Results are consistent with previous sampling where both MW-3S and MW-4D physiochemical parameters have an oxidizing environment and the remainder of the wells have reducing environments.

3.4.2. Per- and Polyfluoroalkyl Substances

PFHpA, PFHxS, and PFOA were detected in groundwater above their respective VGES in monitoring wells MW-3S and MW-3D. 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 4, below. Regulated PFAS detections were below the VGES in MW-1R, MW-2S, and MW-4D.

Table 4: Regulated PFAS Exceedances in Groundwater, Spring 2022

Location	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
MW-1R	1.61 U	1.61 U	1.61 U	1.61 U	1.61 U	1.61 U
MW-2S	1.85 U	1.85 U	1.85 U	1.85 U	6.04	6.04
MW-3S	8.07	4.08	1.88 U	1.97	31.7	45.8
MW-3D	42.1	25.8	1.83 U	4.78	119	192
MW-4S	8.75	3.31	1.65 U	1.65 U	24.2	36.3
MW-4D	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 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

3.4.3. Volatile Organic Compounds

No VOCs were detected above VGES concentrations in any of the groundwater samples collected during the spring 2022 sampling event. Benzene was detected below the VGES in MW-3D. Benzene and chlorobenzene were detected below their respective VGES standards in MW-4S. No regulated VOCs were detected above laboratory reporting limits for MW-1R, MW-2S, MW-3S, and MW-4D.

3.4.4. Total Metals

Arsenic was detected above the VGES concentrations within groundwater collected from monitoring wells MW-1R, MW-2S, MW-3S, MW-3D and MW-4S. Manganese was detected above the VGES in MW-1R, MW-2S, MW-3S, and MW-3D. Lead was detected below the VGES in MW-1R. Arsenic, lead, and manganese concentrations in groundwater are summarized in Table 5, below. Several other metals were detected below the VGES in groundwater samples, including chromium, copper, and nickel. Sodium, zinc, and iron were detected in groundwater samples, but do not have an established VGES.

Table 5: Total Metals Exceedances in Groundwater, Spring 2022

Location	Arsenic	Lead	Manganese
MW-1R	7.1	10.4	308
MW-2S	136	15 U	1,010
MW-3S	36	15 U	2,930
MW-3D	14	7.5 U	2,340
MW-4S	201	7.5 U	201
MW-4D	4	7.5 U	227
VGES (µg/L)	10	15	300

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.

3.4.5. Chloride

Chloride concentrations in groundwater samples ranged between below laboratory reporting limits ($<2,000$ micrograms per liter [$\mu\text{g/L}$]; MW-1R) to $35,600$ $\mu\text{g/L}$ (MW-3D). There is currently no VGES for chloride.

3.4.6. Chemical Oxygen Demand

COD in groundwater samples were below laboratory reporting limits (75 mg/L) in all sampled wells, except for a COD value of 241 mg/L for the field duplicate collected from MW-4D. There is currently no VGES for COD.

3.5. Water Supply Well Results

3.5.1. Per- and Polyfluoroalkyl Substances

PFAS including PFOA and the sum of the five regulated compounds exceeded the 20 ng/L DWHA/VGES in the influent sample collected from 907 Beecher Hill Road (Hinesburg Highway Garage). PFAS were detected below the DWHA/VGES in the 152 Forest Edge Road influent sample. All PFAS compounds were below laboratory reporting limits in samples collected between the carbon filters (mid) and following complete POET system treatment (effluent) for both locations. PFAS were detected below the DWHA/VGES in the 56 Forest Edge Road sample.

PFAS concentrations in drinking water samples are summarized in Table 6, below.

Table 6: Regulated PFAS Exceedances in Drinking Water, Spring 2022

Location	Sample ID	PFHpA	PFHxS	PFNA	PFOS	PFOA	Total Regulated PFAS
Hinesburg Highway Garage	907 Beecher-INF	9.89	6.66	1.62 U	1.62 U	29.2	45.8
	907 Beecher-MID	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U
	907 Beecher-EFF	1.65 U	1.65 U	1.65 U	1.65 U	1.65 U	1.65 U
Turner Residence	152 Forest Edge Rd-INF	2.70	1.88 U	1.88 U	1.88 U	2.69	5.39
	152 Forest Edge Rd-MID	1.88 U	1.88 U	1.88 U	1.88 U	1.88 U	1.88 U
	152 Forest Edge Rd-EFF	1.78 U	1.78 U	1.78 U	1.78 U	1.78 U	1.78 U
	56 Forest Edge Rd	1.68 U	1.68 U	1.68 U	4.46	3.35	7.81
DWHA (ng/L)		20	20	20	20	20	20

Notes: DWHA – Drinking Water Health Advisory; All results reported in nanograms per liter; 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

3.5.2. Volatile Organic Compounds

Methylene chloride exceeded the DWHA/VGES in the influent of the 152 Forest Edge Road POET treatment system. Methylene chloride was detected above the laboratory reporting limit between the carbon filters (mid) at 152 Forest Edge Road at a concentration of 4.33 $\mu\text{g/L}$, however, was not detected above the

laboratory reporting limit in the effluent location. Methyl tert-butyl ether was detected below the DWHA/VGES in the influent sample from 907 Beecher Hill Road. All VOCs at the 907 Beecher Hill Road location were below laboratory reporting limits in samples collected between the carbon filters and following complete POET system treatment for both locations.

No regulated VOCs were detected in the drinking water sample collected at 56 Forest Edge Road. Several VOCs without established DWHA/VGES were detected in drinking water samples, including chloroform, ethyl ether, freon 12, and tetrahydrofuran.

VOC detections in drinking water samples are summarized in Table 7, below.

Table 7: Regulated VOC Detections in Drinking Water, Spring 2022

Sample ID	Chloroform	Ethyl Ether	Methylene Chloride	Tetrahydrofuran	Freon 12	Methyl tert-butyl ether
907 Beecher-INF	0.5 U	8.23	0.5 U	19	2.84	0.909
907 Beecher-MID	0.5 U	0.5 U	0.5 U	7.0 U	0.5 U	0.5 U
907 Beecher-EFF	0.5 U	0.5 U	0.5 U	7.0 U	0.5 U	0.5 U
152 Forest Edge Rd-INF	0.5 U	6.95	11.8	16.6	0.5 U	0.5 U
152 Forest Edge Rd-MID	0.5 U	0.5 U	4.33	7.0 U	0.5 U	0.5 U
152 Forest Edge Rd-EFF	0.5 U	0.5 U	0.5 U	7.0 U	0.5 U	0.5 U
56 Forest Edge Rd	0.662	0.5 U	0.5 U	7.0 U	0.5 U	0.5 U
DWHA (ng/L)	NE	NE	5.0	NE	NE	11.0

Notes: DWHA – Drinking Water Health Advisory; All results reported in nanograms per liter; 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; NE – standard not established.

3.6. Surface Water Results

3.6.1. Physiochemical Parameters

The physiochemical properties measured for surface waters in Beecher Brook on May 11, 2022 are presented in Table 7, below:

Table 8: Physical and Chemical Parameters of Surface Waters, Summer 2022

Location	Temperature (°C)	pH (s.u.)	DO (mg/L)	ORP (mV)	Conductivity (µS)	Turbidity (NTU)
SW-1	15.1	6.82	9.76	121	0	3.80
SW-2	15.9	7.03	9.96	119	0	2.70

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. 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

A field duplicate groundwater sample was collected from monitoring well MW-4D. The RPD for Freon 12, the only detected VOC, was 2%. RPDs for total metals in groundwater ranged from 19% for manganese to 61% for iron. RPDs for groundwater PFAS, chloride, and COD could not be calculated since analytes were not detected above laboratory reporting limits in the primary-duplicate sample pair. RPD values for iron and copper exceed the EPA acceptance criteria of 30% for aqueous samples. During collection of the MW-4D-FD field duplicate sample for metals analysis, turbidity increased because the well was purging dry. The metals sample for the primary-field duplicate pair was heterogeneous. Metals did not exceed the VGES in MW-4D and the data is still considered usable.

A field duplicate drinking water sample was collected from the influent water at the 907 Beecher Hill Road POET system. RPDs for VOCs ranged from 1% for ethyl ether, Freon 12, and tetrahydrofuran to 7% for methyl tert-butyl ether. RPDs for PFAS ranged from 1% for PFHxS to 5% for perfluorohexanoic acid (PFHxA). All drinking water RPDs were within the EPA acceptance criteria of 30% for aqueous samples.

3.7.2. Trip Blanks

One trip blank was included for the June 2019 shipment submitted to the laboratory for VOC analysis. VOCs were not detected in the trip blank. A trip blank was not included with the May 2019 shipment.

3.7.3. Field Reagent Blank

A field reagent blank for PFAS analysis was collected from 907 Beecher Hill Road. PFAS were not detected above the laboratory reporting limit in the field reagent blank.

3.7.4. Equipment Blank

An equipment was collected from the bladder pump following decontamination procedures for VOCs, PFAS, metals, and COD analysis. The only compound that was detected above laboratory reporting limits in the equipment blank was sodium, likely due to the water source used to collect the sample.

3.7.5. Hold Time

Sample MW-3S was prepared outside of hold time for PFAS analysis. The sample was prepared on June 8, 2022 and the sample was collected on May 11, 2022, where hold time is 14 days for the analysis. The sample results for PFAS were similar to the December 2021 results and the data is considered usable.

4. Conceptual Site Model

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

4.1. Geology

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

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

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

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

4.2. Hydrogeology

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

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

4.3. Contaminant Sources, Distribution, Fate and Transport

4.3.1. Leachate Indicator Parameters

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

4.3.2. VOCs

VOCs are in the bedrock groundwater southeast and southwest of the landfill including vinyl chloride and methylene chloride, respectively. Additionally, diethyl ether and tetrahydrofuran were detected in two bedrock water supply wells, one located southwest of the landfill, and one located southeast of the landfill. It should be noted that vinyl chloride was not detected in groundwater during the June 2022 event.

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 spreading. Vertical spreading may occur based on whether there is a downward flow component. Vinyl chloride has not been detected in any of the water supply wells near the landfill and appears to be limited to the bedrock groundwater immediately adjacent to the landfill.

Methylene chloride is used in many different industries including paint stripping, pharmaceutical manufacturing, paint remover manufacturing, and metal cleaning and degreasing. Municipal solid waste accepted at the landfill may have included methylene chloride within small containers. Once released to the

environment, methylene chloride will migrate to groundwater. Methylene chloride is not readily biodegradable but has been shown to biodegrade over a range of rates under aerobic and anaerobic conditions (EPA, 2017). Methylene chloride has been detected in one water supply well southwest of the landfill but has not been detected in the overburden or bedrock aquifer adjacent to the landfill. It appears there is a data gap in the monitoring well network adjacent to the landfill due to a lack of methylene chloride detection or methylene chloride is emanating from a different source not associated with the landfill.

Other compounds detected near the landfill are diethyl 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 carboxylate compounds of equal chain length (ITRC, 2020).

PFAS detected in bedrock groundwater southeast of the landfill include perfluorobutanoic acid (PFBA), perfluoropentanoic acid (PFPeA), perfluorobutanesulfonic acid (PFBS), perfluorohexanoic acid (PFHxA), PFHpA, perfluorohexanesulfonic acid (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, PFHxA, PFOA, and PFPeA, indicating that the leading edge of the plume may be near the Turner Residence located at 152 Forest Edge Road.

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

4.3.4. Total Metals

The generally reducing groundwater environment observed surrounding the landfill may be driving reductive dissolution of arsenic, manganese, and iron from landfill material or from native soils. The highest concentrations of arsenic were observed in the overburden groundwater south of the landfill, the highest concentrations of manganese were observed in the overburden and bedrock groundwater southeast of the landfill and iron concentrations were relatively similar west, south and southeast of the landfill. It should be noted that reductive conditions were detected upgradient of the landfill at MW-1R and elevated concentrations of manganese were detected above VGES. Manganese concentrations generally increase downgradient of the landfill.

4.4. Sensitive Receptors Evaluation

VOCs and PFAS contamination near the landfill has been evaluated for its potential to adversely affect sensitive receptors. Table 9 presents the potentially affected media, pathways, and receptors.

Table 9: 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

5. Conclusions and Recommendations

Based on the results of the spring 2022 groundwater monitoring, Stone presents the following conclusions:

- PFHpA, PFHxS, and/or PFOA were detected in groundwater above their respective VGES in monitoring wells MW-3S, MW-3D, and MW-4S. Total regulated PFAS exceed VGES in each of these wells.
 - The monitoring wells with PFAS exceedances are located hydraulically downgradient from the landfill.
 - The downward hydraulic flow component from the overburden to bedrock aquifer, the steep overburden hydraulic gradient, and the lack of a confining layer (overburden soils consisted of sand and gravel) is allowing the leachate contamination to migrate significantly from the landfill. The extent of migration has not been defined to the southeast.
- Arsenic was detected above the VGES concentrations within groundwater collected from monitoring wells MW-2S, MW-3S, MW-3D and MW-4S. Manganese exceeded the VGES in MW-1R, MW-2S, MW-3S, and MW-3D.
 - The generally reducing groundwater environment observed surrounding the landfill may be driving reductive dissolution of heavy metals from landfill material or from native soils. Reducing conditions were not observed in MW-4D and this location did not have any total metal exceedances. Reducing conditions were not observed in MW-3S, however other leachate indicator parameters were detected in MW-3S, and total metals exceedances in MW-3S are likely related to heavy metals in the landfill material.
 - Manganese was detected in the upgradient well MW-1R where reducing conditions were present, however manganese concentrations increase downgradient of landfill.
- Chloride concentrations in groundwater samples ranged between below laboratory reporting limits ($<5,000 \mu\text{g/L}$; MW-1) to $35,600 \mu\text{g/L}$ (MW-3D). Sodium concentrations in groundwater ranged from $2,840 \mu\text{g/L}$ (MW-2S) to $75,400 \mu\text{g/L}$ (MW-3D).
 - Based on chloride and sodium concentrations, it appears that leachate is migrating from the landfill in both a southern and southeastern direction, where the bedrock aquifer southeast of the landfill has the highest concentrations of leachate indicator parameters.
- COD in groundwater was below laboratory reporting limits for all samples, except for the field duplicate collected at MW-4D (241 mg/L).
 - The relatively low COD concentrations are consistent with a mature closed landfill.
- Drinking water supply well, 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).
 - Regulated PFAS compounds were detected in 152 Forest Edge Road and 56 Forest Edge Road water supplies below the DWHA/VGES.
 - The POET systems installed at Hinesburg Highway Garage and 152 Forest Edge Road are effective at removing monitored PFAS to below laboratory reporting limits in both the mid and effluent locations.

-
- No VOCs were detected above VGES concentrations in any of the groundwater samples.
 - 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 has breakthrough of methylene chloride below the DWHA/VGES in the mid location. Methylene chloride was not detected above the laboratory reporting limit in the effluent.
 - Surface water physiochemical parameters upstream and downstream of the landfill were similar, with aerobic conditions in surface water and low conductivity. Leachate does not appear to be migrating to surface water.

Based on these data, Stone makes the following recommendations:

1. Continued semi-annual monitoring of seven monitoring wells, MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D for PFAS, VOCs, total metals including arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc, chloride, sodium and COD.
 - i. Monitoring well MW-2D will be rehabilitated prior to the October 2022 event.
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, DO, ORP, and turbidity.
3. Continued semi-annual monitoring of drinking water supplies including 152 Forest Edge Road, 56 Forest Edge Road/685 Beecher Hill Road, and Hinesburg Highway Garage for PFAS and VOCs.
 - i. For 152 Forest Edge Road and Hinesburg Highway Garage POET systems, additional samples should be collected from the mid and effluent sample locations for PFAS and VOCs analysis.
4. Continued operations and maintenance of the POET systems.
 - i. The lead carbon vessel at 152 Forest Edge Road is scheduled to be replaced, and the lag vessel will be moved to the lead.

6. References

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Appendix A: Figures

Figure 1: Location Map

Figure 2: Vicinity Map

Figure 3: Site Map

Figure 4: Potentiometric Surface in Overburden Groundwater

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

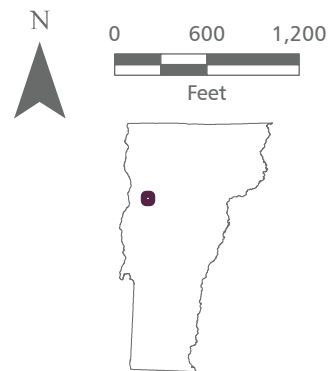


Figure 1: Location Map











Hinesburg Landfill Spring 2022
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LEGEND

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

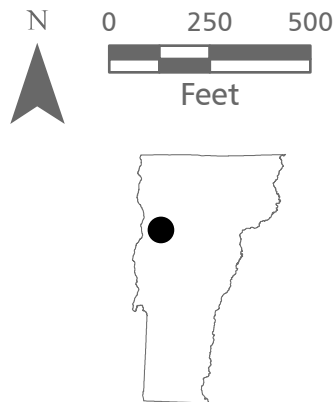


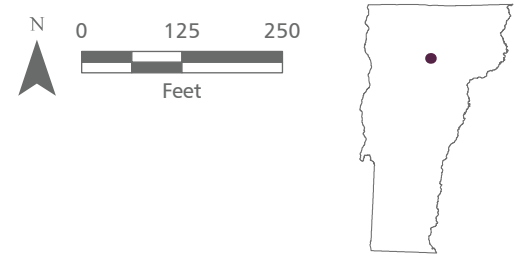
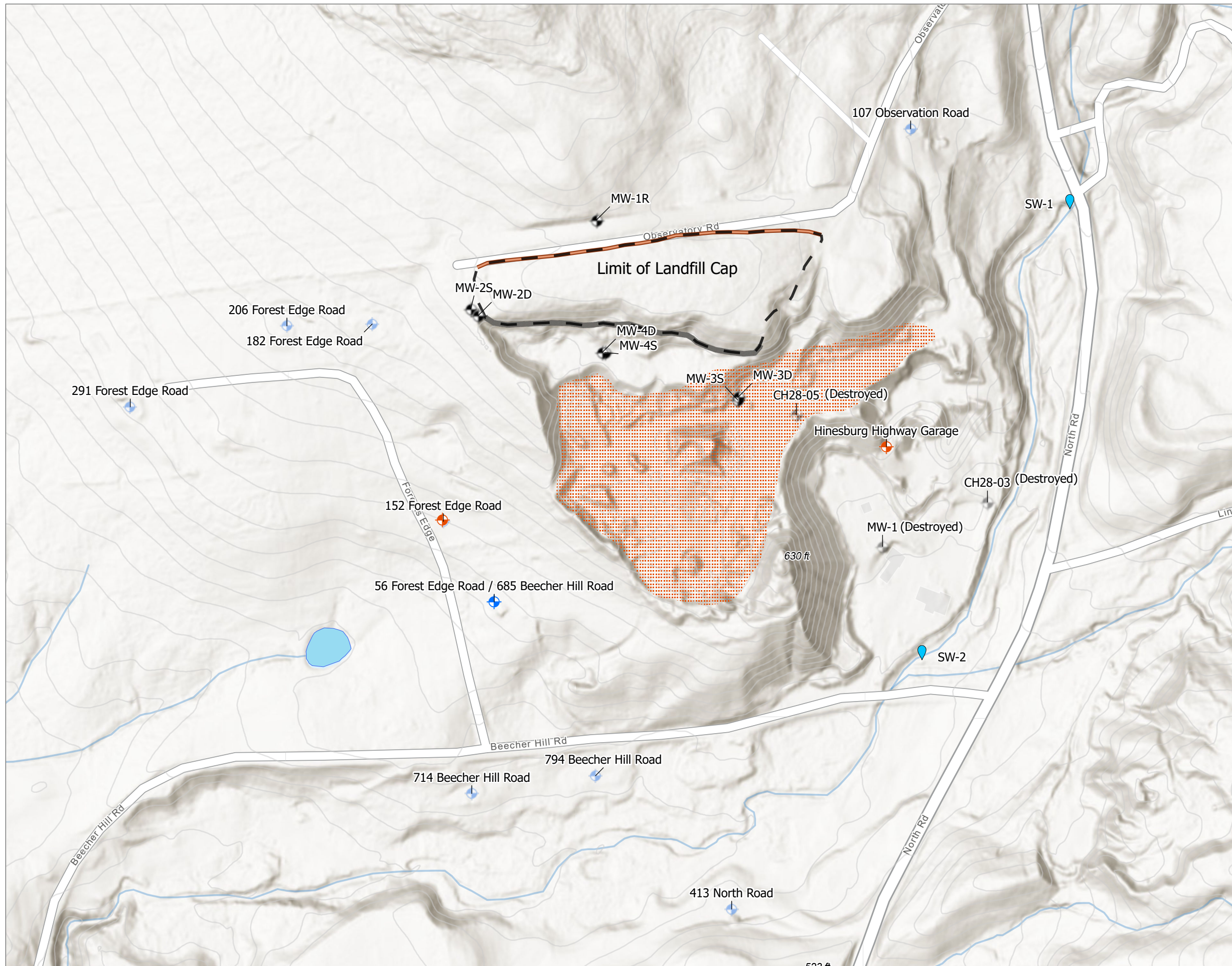
Figure 2: Vicinity Map

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Source: Esri World Imagery, VCGI, ANR Atlas
Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 2 - Vicinity Map Exported: 8/17/2022 11:08 AM by swalser



LEGEND

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

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

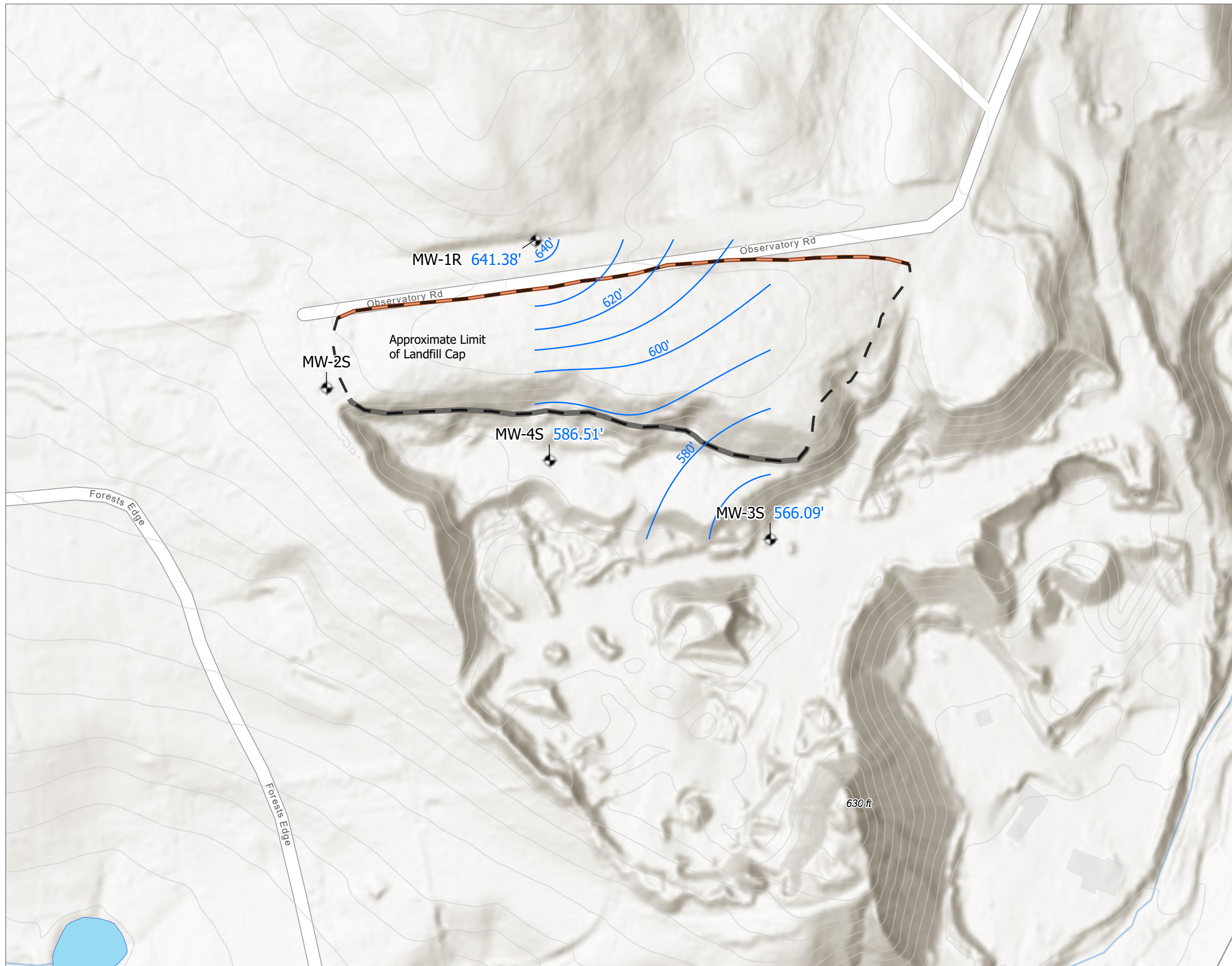
Path: O:\PROJ-21\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 3 - Site Map Exported: 8/31/2022 4:36 PM by arice

Figure 3: Site Map with Post-Closure Monitoring Locations

Hinesburg Landfill Spring 2022 Semi-Annual Monitoring Report

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STONE ENVIRONMENTAL



LEGEND

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

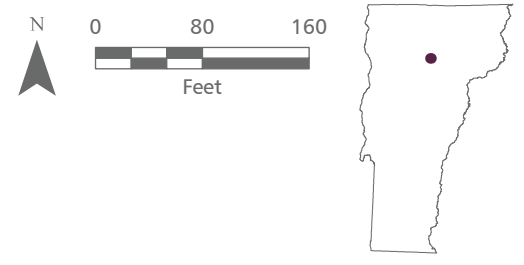
Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 4 - Shallow Contours
 Exported: 8/17/2022 11:05 AM by swalser

Figure 4: Potentiometric Surface in Overburden Groundwater

Hinesburg Landfill Spring 2022 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg





LEGEND

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

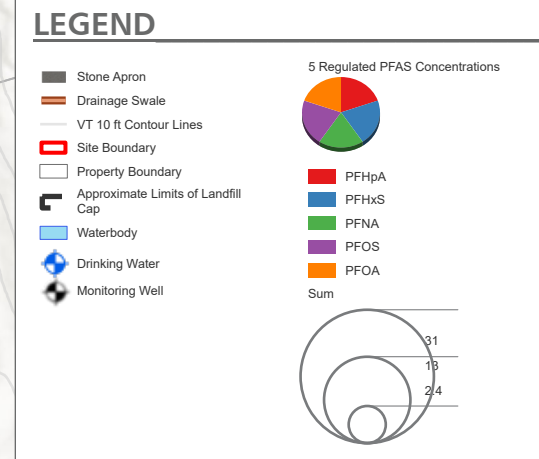
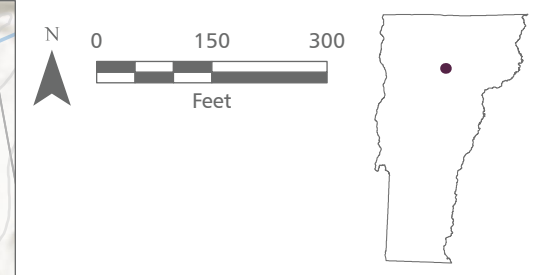
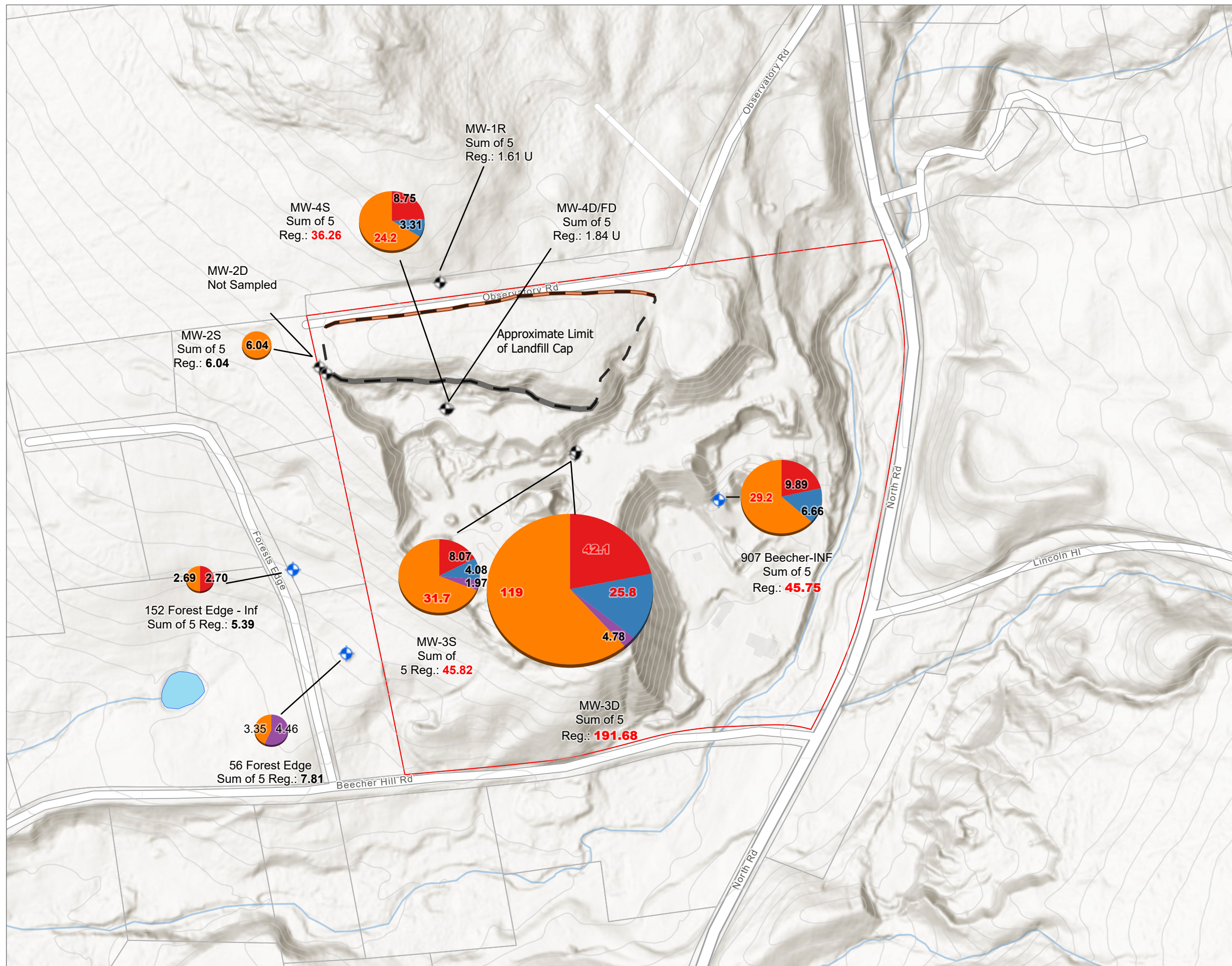
Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 5 - Deep Contours
 Exported: 8/17/2022 11:01 AM by swalser

Figure 5: Potentiometric Surface in Bedrock Aquifer

Hinesburg Landfill Spring 2022 Semi-Annual Monitoring Report

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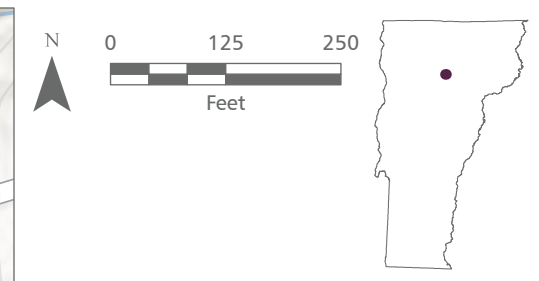
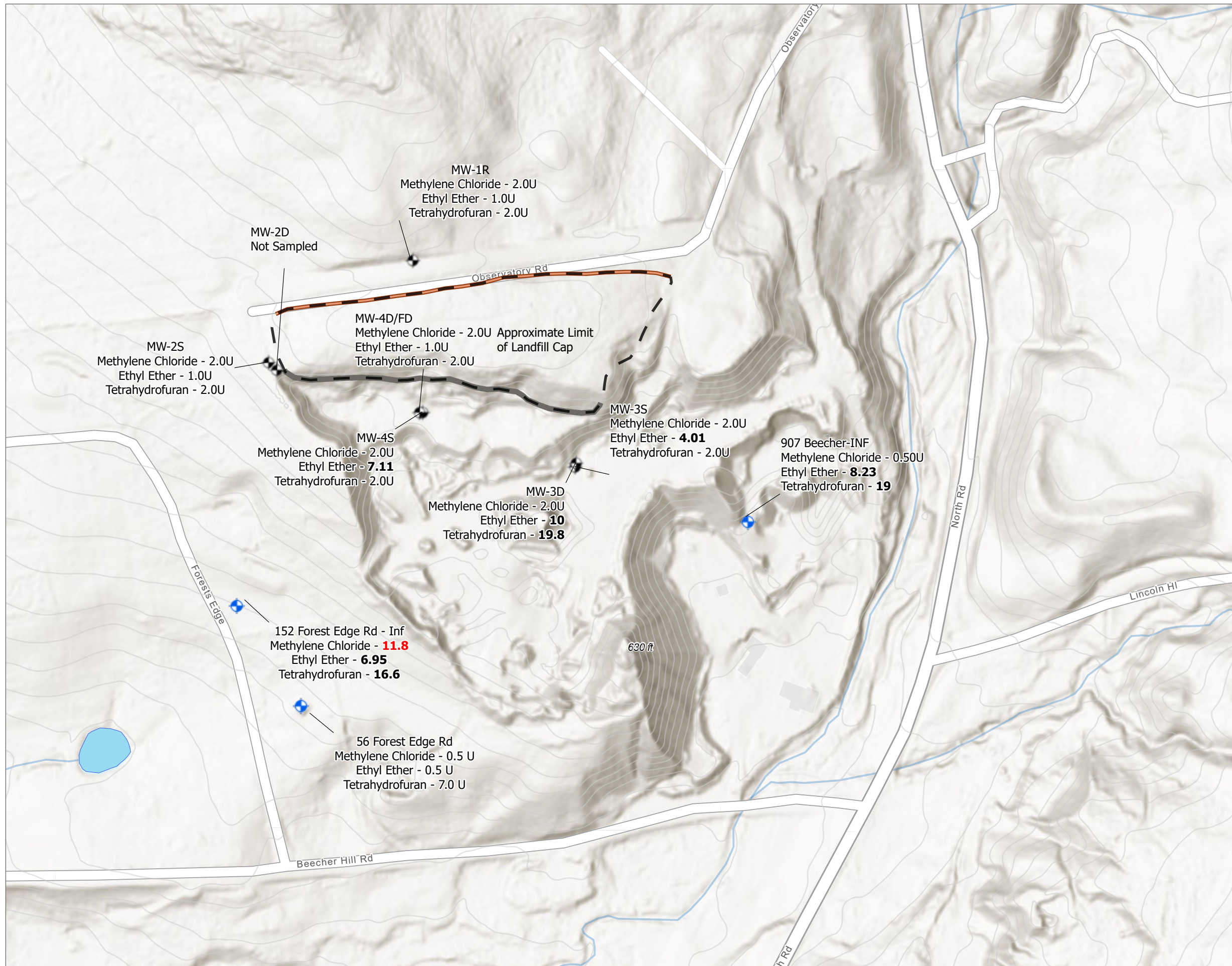




Notes:
 U - Analyte not detected; limit of quantitation listed
 Bold results indicate detections of the analyte
 Red results indicate an exceedance of the DWHA/VGES enforcement standard of 20 ng/L
 Only detections of the five regulated compounds shown: PFHpA, PFHxS, PFNA, PFOS, PFOA

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: 8/17/2022 10:54 AM by swalser

Figure 6: PFAS Concentrations in Groundwater and Drinking Water
 Hinesburg Landfill Spring 2022 Semi-Annual Monitoring Report
 Prepared For Town of Hinesburg



LEGEND

- Monitoring Well
- Drinking Water
- 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 DWHA/VGES enforcement standard

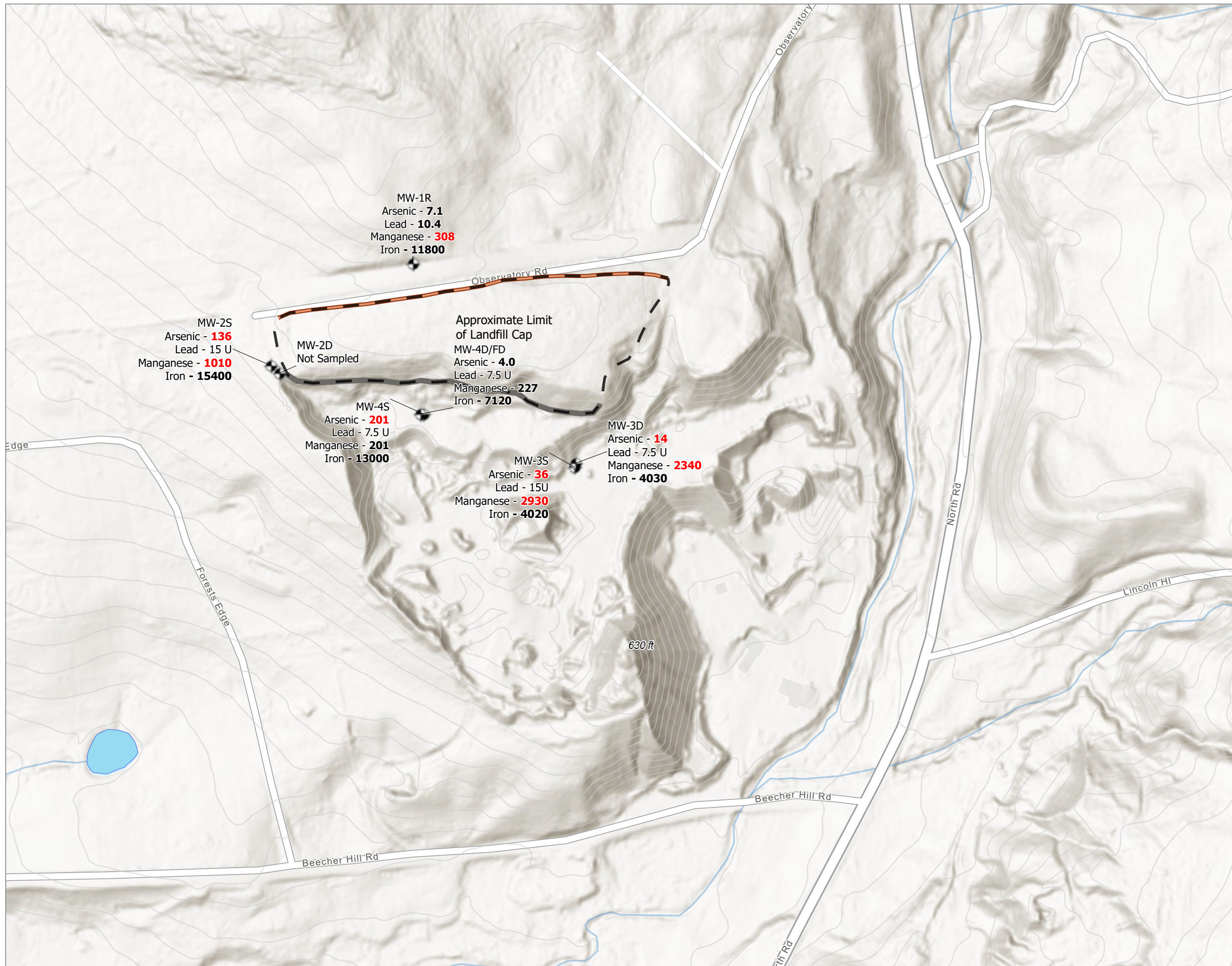
DWHA/VGES Standards:
 Methylene Chloride - 2.0 ug/L (VGES Not Established)
 Ethyl Ether - Not Established
 Tetrahydrofuran - Not Established

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 7 - VOCs in Groundwater
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Figure 7: VOC Concentrations in Groundwater and Drinking Water

Hinesburg Landfill Spring 2022 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
 Lead - 15 ug/L
 Manganese - 300 ug/L
 Iron - Not established

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 8 - Metals in Groundwater
 Exported: 8/17/2022 10:51 AM by swalser

Figure 8: Total Metal Concentrations in Groundwater

Hinesburg Landfill Spring 2022
Semi-Annual Monitoring Report

Prepared For Town of Hinesburg

STONE ENVIRONMENTAL

Appendix B: Field Notes and Boring Log

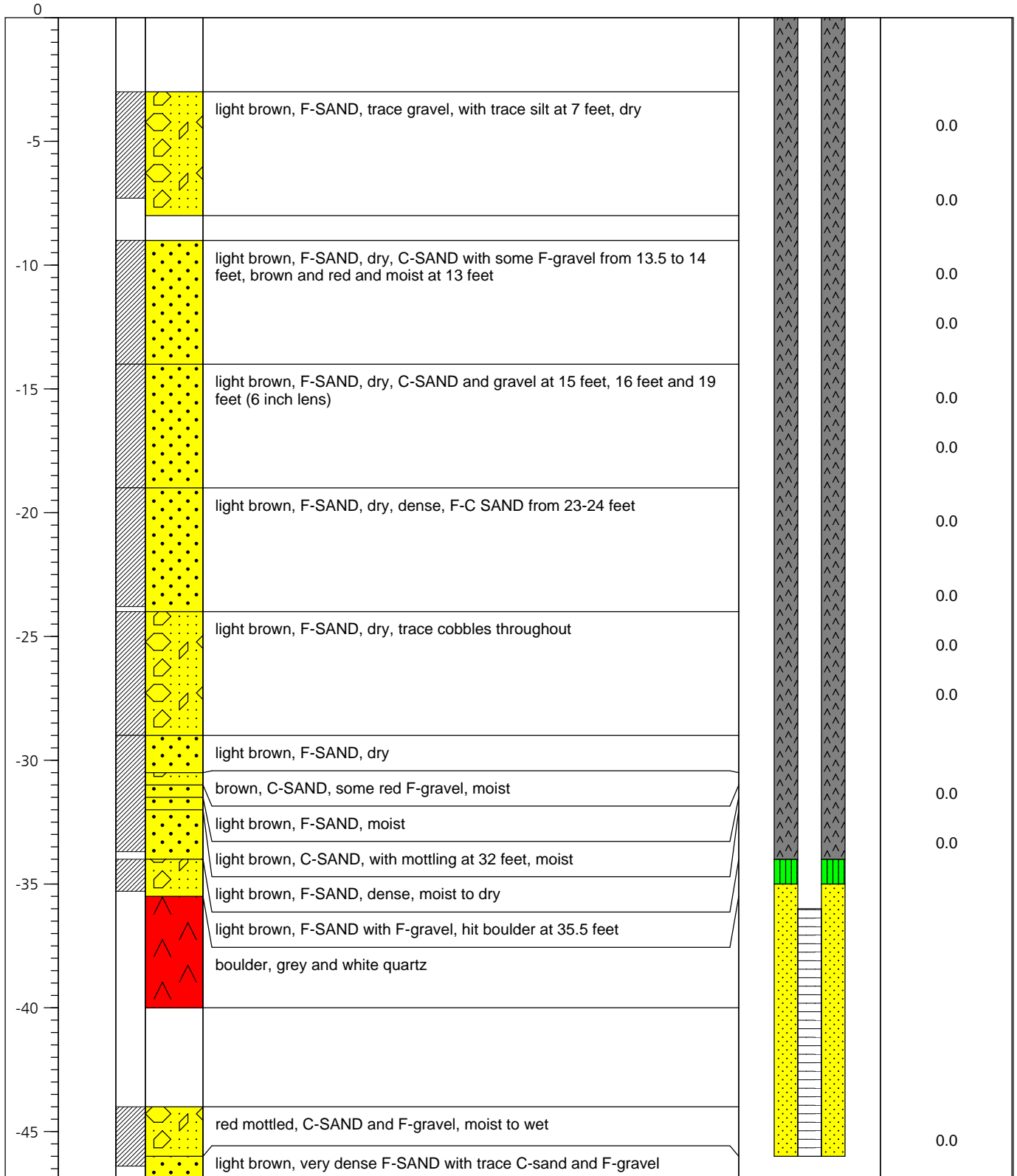
SOIL BORING LOG
WELL NO. MW-1R
Hinesburg Landfill

DATE DRILLED: 5/4/2022
COMPANY: Platform Drilling

2" PVC Monitoring Well
LOGGED BY: K. Mattice



DEPTH (Feet)	Sample Interval	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	WELL CONSTRUCTION	PID (ppm v/v)
--------------	-----------------	----------	------------------------------	-------------------	---------------



MONITORING WELL SAMPLING FORM

Project Name: Hinesburg LF Comments:
 SEI Project Number: 80211005
 Client: Hinesburg
 Project Manager: KJM

WELL ID: MW-1R Equipment ID / SN:
 Sample Date: 6/17/22 Pump:
 SOP/SSP #'s Followed: SEI SOP 5.49.1 Water Level Indicator:
 Sampling Method: Bladder Pump Peri Pump Impeller Pump
 Bailer Other Water Quality Sonde:
 Sampling Personnel: KJM Turbidity Meter:
 Weather: P. sunny 120°F Other:

Fill 10/Discharge 50

Calculate Purge Volumes
 Time of water level measurement (military): _____ Depth of Pump/Intake: 45 feet Measuring Point Description: _____ Well Screen Length: _____
 Total Well Depth (btoc) 47 feet Depth to Water (btoc) 35.13 feet Height of Water Column _____ feet
 One Well Volume _____ liters
 0.155 liters/feet (1-inch well)
 0.347 liters/feet (1.5-inch well)
 0.617 liters/feet (2-inch well)
 Time purging began (military): 1036 3 X One Well Volume _____ liters
 Time purging ended (military): _____ 5 X One Well Volume _____ liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
40.95	5,200	1102	200	15.1	34.4	8.35	1.14	128.3	481
40.95	5,500	1105	100	15.4	21.2	8.44	1.16	128.9	465
41.07	5,800	1108	100	15.2	-35.5	8.52	1.21	131.4	334
41.24	6,100	1111	100	14.8	-62.8	8.52	1.11	131.7	374
41.29	6,700	1116	100	14.8	-82.7	8.48	1.09	131.9	369
41.41	7,100	1120	100	15.0	-96.3	8.53	1.07	131.9	325
41.55	7,400	1123	100	14.7	-103.7	8.50	1.13	132.0	316
41.65	7,900	1128	100	14.7	-108.7	8.49	1.15	132.1	354
41.70	8,200	1131	100	14.9	-115.0	8.55	1.14	132.2	344
41.77	8,500	1134	100	15.1	-116.9	8.54	1.16	132.5	283

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

Sample Identification	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-1R	1135	KJM	3x40 mL	HCL	VOC	Decrease Flow rate from 200 to 100 mL/min due to draw down
			2x 250 mL	NONE	PFAS	

Sampling Personnel Signature: KJM Date: 6/17/22
 1x 250 mL H2SO4 COD
 1x 500 mL HNO3 Metals
 1x 250 mL NONE chloride & sodium

MONITORING WELL SAMPLING FORM

Project Name: Hinesburg LF Comments: pump stuck in well @ 111'
 SEI Project Number: 20211025
 Client: Hinesburg
 Project Manager: KJM Did not sample

WELL ID	<u>MW-20</u>	Equipment ID / SN	
Sample Date	<u>6/7/22</u>	Pump:	
SOP/SSP #'s Followed	<u>SEI SOP 5.49.1</u>	Water Level Indicator:	
Sampling Method	Bladder Pump <input checked="" type="checkbox"/> Peri Pump <input type="checkbox"/> Impeller Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Other <input type="checkbox"/>	Water Quality Sonde:	
Sampling Personnel	<u>KJM</u>	Turbidity Meter:	
Weather	<u>P-sunny / 70°F</u>	Other:	

Calculate Purge Volumes

Time of water level measurement (military): _____ Depth of Pump/intake: 120 feet Measuring Point Description: _____ Well Screen Length: _____

Total Well Depth (btoc)	Depth to Water (btoc)	Height of Water Column	One Well Volume
<u>124</u> feet	<u>91.86</u> feet	= _____ feet	= _____ liters

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

Time purging began (military): _____ 3 X One Well Volume liters

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

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)

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

Sample Identification	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments

Sampling Personnel Signature KJM Date 6/7/22

MONITORING WELL SAMPLING FORM

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

WELL ID	MW-3s	Equipment ID / SN	
Sample Date	May 11, 2022	Pump:	6519
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator:	6328
Sampling Method	Bladder Pump <input type="checkbox"/> Peri Pump <input type="checkbox"/> Impeller Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Other <input type="checkbox"/> Bladder Pump	Water Quality Sonde:	6758
Sampling Personnel		Turbidity Meter:	6015
Weather	Sunny 80	Other:	HDPE

Calculate Purge Volumes

Time of water level measurement (military):	12:30	Depth of Pump/Intake:	47.00 feet	Measuring Point Description:		Well Screen Length:	
Total Well Depth (btoc)	49.40 feet	Depth to Water (btoc)	32.16 feet	Height of Water Column	= _____ feet	X 0.155 liters/feet (1-inch well) X 0.347 liters/feet (1.5-inch well) X 0.617 liters/feet (2-inch well) One Well Volume = 10.64 liters	
Time purging began (military):	13:19			3 X One Well Volume		31.91 liters	
Time purging ended (military):	15:52			5 X One Well Volume			liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
32.75	1,000	14:47	175.00	13.9	32	6.65	0.54	879	825.00
33.63	2,800	14:53	300.00	13.0	25	6.61	0.33	875	454.00
34.00	6,700	15:06	300.00	12.9	15	6.67	0.25	892	150.00
34.00	8,500	15:12	300.00	13.0	21	6.68	0.21	913	107.00
34.00	10,900	15:20	300.00	12.9	14	6.68	0.16	927	64.10
34.00	12,700	15:26	300.00	12.7	23	6.69	0.13	940	41.40
34.00	14,500	15:32	300.00	12.7	32	6.69	0.13	944	39.20
34.00	16,300	15:38	300.00	12.9	41	6.69	0.13	949	34.00
34.00	18,200	15:44	300.00	12.6	44	6.70	0.11	961	34.20
34.00	20,000	15:50	300.00	12.7	44	6.70	0.10	963	29.70

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

Sample Identification	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
MW-3s	15:52		2 x 250 mL Plastic 1, 3 x 40mL VOA.		PFAS 537, VOC 8260, PP Metals 6010,	

Sampling Personnel Signature _____ Date **May 11, 2022**



MONITORING WELL SAMPLING FORM

Project Name: Hinesburg LF Comments: Fill 45/0 discharge 15
 SEI Project Number: 6021
 Client: KJM
 Project Manager: KJM
paused purging from 1439 to 1553

WELL ID: ~~MW-20~~ MW-3D Equipment ID / SN: _____

Sample Date: 6/9/22 Pump: _____

SOP/SSP #'s Followed: SEI SOP 5.49.1 Water Level Indicator: _____

Sampling Method: Bladder Pump _____ Peri Pump _____ Impeller Pump _____
 Bailer _____ Other _____ Water Quality Sonde: _____

Sampling Personnel: KJM Turbidity Meter: _____

Weather: rain - cloudy / 60°F Other: _____

Calculate Purge Volumes

Time of water level measurement (military): _____ Depth of Pump/Intake: 79.69 feet Measuring Point Description: _____ Well Screen Length: _____

Total Well Depth (btoc): 81 feet Depth to Water (btoc): 51.76 feet Height of Water Column: _____ feet

One Well Volume = _____ liters

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

Time purging began (military): 1405 3 X One Well Volume _____ liters

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

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
53.65	1500	1415	150	4.3	135.3	6.47	3.92	1444	24.5
54.21	1950	1418		13.7	109.9	6.61	1.31	1414	29.9
55.50	2400	1421		13.2	99.2	6.69	1.12	1385	21.3
56.05	2850	1424		13.2	87.0	6.75	0.99	1369	20.7
56.60	3300	1427		13.1	80.2	6.77	0.95	1361	21.0
56.85	3750	1430		13.0	67.9	6.79	0.93	1350	19.4
57.15	4200	1433		13.0	60.6	6.81	0.93	1349	16.6
57.83	4650	1436		12.9	54.1	6.81	0.87	1351	17.5
55.25	5100	1439		13.0	46.7	6.84	0.80	1349	13.3
55.25	5550	1555		12.6	27.5	6.70	0.73	1392	10.5
56.40	6000	1605		12.7	4.9	6.75	0.21	1747	9.51
56.88	6450	1610		12.4	0.8	6.77	0.18	1762	8.12
57.40	6900	1615		12.7	-1.1	6.79	0.18	1760	7.39

Total Vol. Removed: 7 Liters (v) _____ Meters Calibrated (v) _____ Min. 3 Well Vol. Purged (v) _____ Parameters Stable for 3 consecutive measurements

Sample Identification	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
<u>MW-3D</u>	<u>1620</u>	<u>KJM</u>	<u>3x40mL</u>	<u>Hel</u>	<u>VOCs</u>	<u>Drop pump to 69' due to short Airline</u>
			<u>2x250mL</u>	<u>Trizma</u>	<u>PPAS</u>	

Sampling Personnel Signature: [Signature] Date: 6/9/22

1x250mL - sodium & chloride
1x500mL HNO3 metals

MONITORING WELL SAMPLING FORM

Project Name: Hinesburg Life Comments: Discharge 20/Fill 40
 SEI Project Number: _____
 Client: _____
 Project Manager: _____

WELL ID	<u>MW-4D</u>	Equipment ID / SN
Sample Date	<u>6/7/22</u>	Pump:
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator:
Sampling Method	Bladder Pump <input checked="" type="checkbox"/> Per Pump ___ Impeller Pump ___ Bailer ___ Other ___	Water Quality Sonde:
Sampling Personnel	<u>KJM</u>	Turbidity Meter:
Weather	<u>Cloudy / 70°F</u>	Other:

Calculate Purge Volumes

Time of water level measurement (military): _____ Depth of Pump/Intake: 87 feet Measuring Point Description: _____ Well Screen Length: _____

Total Well Depth (btoc) <u>89.08</u> feet	Depth to Water (btoc) <u>70.78</u> feet	Height of Water Column = _____ feet	One Well Volume = _____ liters
		X 0.155 liters/foot (1-inch well)	
		X 0.347 liters/foot (1.5-inch well)	
		X 0.617 liters/foot (2-inch well)	

Time purging began (military): 1630 3 X One Well Volume _____ liters
 Time purging ended (military): _____ 5 X One Well Volume _____ liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
73.65	4500	1706	125	12.6	77.0	6.28	2.08	553.5	131
75.00	4875	1709	125	12.0	67.2	6.82	1.92	549.8	116
76.20	5250	1712	125	11.9	62.3	7.00	1.97	546.5	119
77.05	5625	1715	125	12.0	56.9	7.12	2.03	547.6	94.7
77.60	6000	1718	125	11.9	55.2	7.16	2.07	546.4	75.5
78.35	6375	1721	125	12.0	53.4	7.19	2.19	547.3	88.0

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

Sample Identification	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
<u>MW-4D</u>	<u>1725</u>	<u>KJM</u>	<u>3x40ml</u>	<u>HCL</u>	<u>VOC</u>	<u>MW-4D-FD turbid @ End of sampling</u>

Sampling Personnel Signature: KJM thce Date: 6/7/22

MONITORING WELL SAMPLING FORM

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

WELL ID	SW-1	Equipment ID / SN
Sample Date	May 11, 2022	Pump:
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator:
Sampling Method	Bladder Pump <input type="checkbox"/> Peri Pump <input type="checkbox"/> Impeller Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Other <input checked="" type="checkbox"/>	Water Quality Sonde:
Sampling Personnel	Sandra Walser	Turbidity Meter:
Weather		Other:

Calculate Purge Volumes

Time of water level measurement (military):	14:05	Depth of Pump/Intake: _____ feet	Measuring Point Description:	Well Screen Length:
Total Well Depth (btoc) _____ feet	Depth to Water (btoc) _____ feet	Height of Water Column = _____ feet		One Well Volume = 0 liters
		X 0.155 liters/feet (1-inch well) X 0.347 liters/feet (1.5-inch well) X 0.617 liters/feet (2-inch well)		
Time purging began (military):	14:05	3 X One Well Volume		0 liters
Time purging ended (military):		5 X One Well Volume		liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
6.68	2,100	14:05	120.00	15.1	121	6.82	9.76	0	3.80

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

Sample Identification	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
		Sandra Walser				

Sampling Personnel Signature _____ Date **May 11, 2022**

Sandra Walser

MONITORING WELL SAMPLING FORM

Project Name:	hinesburg lf	Comments: Surface water measurements
SEI Project Number:	20211205	
Client:		
Project Manager:	Katrina Mattice	

WELL ID	SW-2	Equipment ID / SN
Sample Date	May 11, 2022	Pump:
SOP/SSP #'s Followed	SEI SOP 5.49.1	Water Level Indicator:
Sampling Method	Bladder Pump ___ Peri Pump ___ Impeller Pump ___ Other Bailer ___ Other ___	Water Quality Sonde:
Sampling Personnel	Sandra Walser, Rebecca Mitchell	Turbidity Meter:
Weather		Other:


Calculate Purge Volumes

Time of water level measurement (military):	14:33	Depth of Pump/Intake: _____ feet	Measuring Point Description:	Well Screen Length:
Total Well Depth (btoc)	Depth to Water (btoc)	Height of Water Column	One Well Volume	
_____ feet	_____ feet	= _____ feet	= _____ liters	
		X 0.155 liters/feet (1-inch well) X 0.347 liters/feet (1.5-inch well) X 0.617 liters/feet (2-inch well)		
Time purging began (military):	14:33	3 X One Well Volume		_____ liters
Time purging ended (military):		5 X One Well Volume		_____ liters

Water Level (ft btoc)	Cumulative Vol. Purged (mL)	Time (Military)	Flow Rate (mL/min)	Temp (°C) (± 3%)	ORP (mV) (± 10 mV)	pH (su) (± 0.1 su)	DO (mg/L) (± 10% or 3 consecutive readings < 0.5 mg/L)	Conductivity (µS) (± 3%)	Turbidity (NTU) (± 10% or 3 consecutive readings < 5 NTU)
		14:33		15.9	119	7.03	9.96	0	2.70

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

Sample Identification	Time Collected (Military)	Sampled By (Initials)	Container	Preservation	Analysis	Additional Comments
		Sandra Walser,				

Sampling Personnel Signature  Date May 11, 2022

SUPPLY WELL SAMPLING FORM

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

Location ID: 907 Beecher Hill Rd
 Sample Date: 6/7/22
 Property Contact Name, Address and Phone Number: Michael Anthony
 Water Supply Type (bedrock, shallow well, spring, etc.): Bedrock
 Well Location and GPS Coordinates: Confirmed
 Septic Location and GPS Coordinates:
 Water Treatment (softener, filter, etc.): POET
 Sample Location (Pressure Tank, Outside Spigot, etc.): POET
 SOP/SSP #'s Followed: SOPs SEI-5.57.1
 SEI Equipment ID:
 Sampling Method: Grab Turbidimeter
 Sampling Personnel: KJM Water Quality Sonde SN
 Weather: P. Sunny / 75°F

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

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

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments
907 Beecher-INF	1438	3x 46 mL	KJM	VOLS/PCAS	• Field duplicate on INF • Field Reagent Blank = -06 907 Beecher-FIB @ 143 1428
907 Beecher-MID	1434	2x 250 mL			
907 Beecher-EFF	1430				
907 Beecher-FIB	1438				

Sample Area Inventory/Use:
Compressor room

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

Sampling Personnel Signature: K. Mattice Date: 6/7/22

SUPPLY WELL SAMPLING FORM

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

Location ID: 56 Forest Edge Rd
 Sample Date: 6/9/22
 Property Contact Name, Address and Phone Number: Kevin Dente, 802-356-5330
 Water Supply Type (bedrock, shallow well, spring, etc.): dug well
 Well Location and GPS Coordinates: ~~not~~ not collect @ Beecher Hill property (not shown)
 Septic Location and GPS Coordinates:
 Water Treatment (softener, filter, etc.): UV light, Sediment Filter
 Sample Location (Pressure Tank, Outside Spigot, etc.): Kitchen sink (could not access pressure tank)
 SOP/SSP #'s Followed: SOPs SEI-5.57.1
 SEI Equipment ID:
 Sampling Method: grab
 Turbidimeter:
 Sampling Personnel: JKM
 Water Quality Sonde SN:
 Weather: p.c cloudy / 60°F

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

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

Sample ID	Time Collected (Military)	Approx. Vol. (mL)	Sampled By (Initials)	Analysis	Comments:
56 Forest Edge	1830	3x40mL	KJM	VIZ	dish soap
↓	↓	2x250mL	KJM	PCAS	

Sample Area Inventory/Use:

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

Sampling Personnel Signature Kmatice Date 6/9/22

Stone Environmental, Inc. Field Instrument Calibration Record

Project Name: Hinesburg LE Date: 5/17/22 Sampler (Sig/Date):
 SEI Project Number: 20211049 1205 Task: low flow GW
 Project Location: Linsburg, VT Checked By/Date: KRM/APR 5/17/22
 Weather Conditions (AM): wind, sunny Weather Conditions (PM): over, rainy

MULTI-PARAMETER WATER QUALITY METER					Post Calibration Check		
Meter Type:	AM Calibration			Start Time <u>1621</u> / End Time <u>1642</u>			
Model NO.:	Start Time	End Time		Standard Value	Meter Value	Acceptance Criteria (AM)	Acceptance Criteria (PM)
Unit ID NO.: <u>6770</u>	<u>6:45</u>	<u>7:15</u>					
pH (4)	SU	4.0	<u>4.03</u>	±0.1 pH Units			
pH (7)	SU	7.0	<u>7.08</u>	±0.1 pH Units	7.0	<u>7.06</u>	±0.3 pH Units
pH (10)	SU	10.0	<u>10.15</u>	±0.1 pH Units			
ORP	mV	<u>220</u>	<u>205.3</u>	±10 mV	<u>220</u>	<u>212.7</u>	±10 mV
Specific Conductance	µs/cm	<u>442</u>	<u>447.2</u>	±0.5% of Standard	<u>447</u>	<u>297</u>	±5% of Standard
Dissolved Oxygen	%	<u>100</u>	<u>104.7</u>	±2% of Standard	<u>100</u>	<u>97.3</u>	±0.5 mg/L of sat. val.
Temperature	°C		<u>18.9</u>	<u>202.1</u>		<u>18.8</u>	
Baro. Press.	mmHg		<u>735.7</u>	<u>mmHg</u>		<u>736</u>	

TURBIDITY METER					Unit ID NO.: <u>6015</u>		
Meter Type:	Model NO.:			Acceptance Criteria (AM)			Acceptance Criteria (PM)
Units	Standard Value	Meter Value		Standard Value	Meter Value		
NTU	<u>20</u>	<u>20</u>	±0.3 NTU of stan. Of	<u>20</u>	<u>18.5</u>	±0.3 NTU of stan. Of	
NTU	<u>100</u>	<u>99.2</u>	1.0 NTU or less. ±5%	<u>100</u>	<u>97.3</u>	1.0 NTU or less. ±5%	
NTU	<u>800</u>	<u>800</u>	of standards >5 NTU	<u>800</u>	<u>771</u>	of standards >5 NTU	

PHOTONIZATION DETECTOR					Unit ID NO.:		
Meter Type:	Model NO.:			Acceptance Criteria (AM)			Acceptance Criteria (PM)
Units	Standard Value	Meter Value		Standard Value	Meter Value		
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					Unit ID NO.:		
Meter Type:	Model NO.:			Acceptance Criteria (AM)			Acceptance Criteria (PM)
Units	Standard Value	Meter Value		Standard Value	Meter Value		
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>16LS25</u>	<u>12/23</u>
Trip Blank Source:		pH (7)	<u>2GA310</u>	<u>12/24</u>
Sample Preservative Source:		pH (10)	<u>2GC371</u>	<u>3/24</u>
Disposable Filter Type:		ORP	<u>2GC491</u>	<u>12/22</u>
DO Calibration Fluids Source:		Spec. Conductivity	<u>2GA625</u>	<u>1/23</u>
Other:		Turb. Stan. <u>20</u>	<u>3SD</u>	<u>7/23</u>
NOTES:		Turb. Stan. <u>100</u>	<u>3ED</u>	<u>7/23</u>
		Turb. Stan. <u>800</u>	<u>3SD</u>	<u>7/23</u>
		PID Scan Gas		
		O ₂ LEL		
		Other		



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

Stone Environmental, Inc. Field Instrument Calibration Record

Project Name: Hinesburg Ct **Date:** 6/7/22 **Sampler (Sig/Date):** _____
SEI Project Number: 20211205 **Task:** 2-2
Project Location: Hinesbury Vt **Checked By/Date:** _____
Weather Conditions (AM): P. Sunny 170°F **Weather Conditions (PM):** _____

MULTI-PARAMETER WATER QUALITY METER					Post Calibration Check		
Meter Type:	AM Calibration					Start Time / End Time	
<u>Ysi pro</u>	Start Time	<u>1040</u>	End Time	<u>1050</u>	Start Time	End Time	
Model NO.:					Standard Value	Meter Value	*Acceptance Criteria (PM)
Unit ID NO.:							
pH (4)	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)			
	SU	4.0	<u>4.02</u>	±0.1 pH Units			
pH (7)	SU	7.0	<u>6.99</u>	±0.1 pH Units	7.0		±0.3 pH Units
pH (10)	SU	10.0	<u>10.03</u>	±0.1 pH Units			
ORP	mV	220 <u>230.6</u>	<u>230.6</u>	±10 mV			±10 mV
Specific Conductance	µs/cm	<u>1413 @ 25°C</u>	<u>1414</u>	±0.5% of Standard			±5% of Standard
Dissolved Oxygen	%	<u>100</u>	<u>99.8</u>	±2% of Standard			±0.5 mg/L of sat. val.
Temperature	°C	<u>23.3</u>					
Baro. Press.	mmHg	<u>741.1</u>					

TURBIDITY METER		Meter Type:	Model NO.:	Unit ID NO.:
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	*Acceptance Criteria (PM)
NTU	<u>0.1</u>	<u>0.15</u>	±0.3 NTU of stan. Of	±0.3 NTU of stan. Of
NTU	<u>20</u>	<u>20.6</u>	1.0 NTU or less. ±5%	1.0 NTU or less. ±5%
NTU	<u>100</u>	<u>101</u>	of standards >5 NTU	of standards >5 NTU

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

O ₂ -LEL 4 GAS METER		Meter Type:	Model NO.:	Unit ID NO.:
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	*Acceptance Criteria (PM)
Methane	%	50	±10% of standard	±10% of standard
O ₂	%	20.9	±10% of standard	±10% of standard
H ₂ S	ppmv	25	±10% of standard	±10% of standard
CO	ppmv	50	±10% of standard	±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:		<u>161535</u>	<u>Dec 23</u>
Trip Blank Source:			
Sample Preservative Source:			
Disposable Filter Type:			
DO Calibration Fluids Source:			
Other:			
NOTES:			



* = 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: Hinesburg LF **Date:** 6/9/22 **Sampler (Sig/Date):** _____
SEI Project Number: 20211205 **Task:** 2.2
Project Location: Hinesburg VT **Checked By/Date:** _____
Weather Conditions (AM): Rain / 80°F **Weather Conditions (PM):** _____

MULTI-PARAMETER WATER QUALITY METER				Post Calibration Check				
Meter Type:	AM Calibration		Post Calibration Check					
<u>YSI pro</u>	Start Time	<u>1145</u>	End Time	<u>1200</u>	Start Time	<u>1115</u>	End Time	<u>1125</u>
Model NO.:								
Unit ID NO.:	<u>0770</u>							
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)		
pH (4)	SU	4.0	<u>4.06</u>	±0.1 pH Units				
pH (7)	SU	7.0	<u>7.01</u>	±0.1 pH Units	7.0	<u>7.18</u>	±0.3 pH Units	
pH (10)	SU	10.0	<u>10.05</u>	±0.1 pH Units				
ORP	mV	<u>236.6</u>	<u>236.5</u>	±10 mV	<u>236.5</u>	<u>241.8</u>	±10 mV	
Specific Conductance	µs/cm	<u>1309</u>	<u>1310</u>	±0.5% of Standard	<u>1309</u>	<u>1329</u>	±5% of Standard	
Dissolved Oxygen	%	<u>100</u>	<u>101</u>	±2% of Standard	<u>100</u>	<u>87%</u>	±0.5 mg/L of sat. val.	
Temperature	°C	<u>17.1</u>						
Baro. Press.	mmHg	<u>736.4</u>						

TURBIDITY METER				Unit ID NO.:		
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
NTU	<u>0.1</u>	<u>0.02</u>	±0.3 NTU of stan. Of	<u>0.1</u>	<u>0.02</u>	±0.3 NTU of stan. Of
NTU	<u>20</u>	<u>19.9</u>	1.0 NTU or less. ±5%	<u>20</u>	<u>18.7</u>	1.0 NTU or less. ±5%
NTU	<u>800</u>	<u>803</u>	of standards >5 NTU	<u>100</u>	<u>98.3</u>	of standards >5 NTU

PHOTIONIZATION DETECTOR				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				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) _____	_____
Trip Blank Source: _____	pH (7) _____	_____
Sample Preservative Source: _____	pH (10) _____	_____
Disposable Filter Type: _____	ORP _____	_____
DO Calibration Fluids Source: _____	Spec. Conductivity _____	_____
Other: _____	Turb. Stan. _____	_____
	Turb. Stan. _____	_____
	Turb. Stan. _____	_____
	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: Hinesburg LF Date: _____ Sampler (Sig/Date): _____
 SEI Project Number: 20211025 Task: low-flow GW
 Project Location: Hinesburg, VT Checked By/Date: _____
 Weather Conditions (AM): _____ Weather Conditions (PM): _____

MULTI-PARAMETER WATER QUALITY METER					Post Calibration Check		
Meter Type:	AM Calibration				Start Time	/End Time	
Model NO.:	Start Time	/End Time		*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
Meter Type: <u>YSI</u>							
Model NO.: _____							
Unit ID NO.: <u>6770</u>							
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)	
pH (4) SU	4.0	<u>4.09</u>	±0.1 pH Units			±0.3 pH Units	
pH (7) SU	7.0	<u>6.99</u>	±0.1 pH Units	7.0			
pH (10) SU	10.0	<u>9.91</u>	±0.1 pH Units				
ORP mV	<u>220</u>	<u>219.9</u>	±10 mV	<u>220</u>		±10 mV	
Specific Conductance µs/cm	<u>447</u>	<u>447.6</u>	±0.5% of Standard	<u>447</u>		±5% of Standard	
Dissolved Oxygen %	<u>100</u>	<u>99.6</u>	±2% of Standard	<u>100</u>		±0.5 mg/L of sat. val.	
Temperature °C		<u>17.0</u>					
Baro. Press. mmHg		<u>744.8</u>					

TURBIDITY METER					Unit ID NO.: <u>6015</u>		
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)	
Meter Type: <u>geotech</u>							
Model NO.: _____							
NTU	<u>20</u>	<u>18.1</u>	±0.3 NTU of stan. Of	<u>20</u>		±0.3 NTU of stan. Of	
NTU	<u>100</u>	<u>109</u>	1.0 NTU or less. ±5%	<u>100</u>		1.0 NTU or less. ±5%	
NTU	<u>800</u>	<u>840</u>	of standards >5 NTU	<u>800</u>		of standards >5 NTU	

PHOTONIZATION DETECTOR					Unit ID NO.: _____		
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)	
Meter Type: _____							
Model NO.: _____							
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					Unit ID NO.: _____		
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)	
Meter Type: _____							
Model NO.: _____							
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>1GL535</u>	<u>12/23</u>
Trip Blank Source: _____		pH (7) <u>2GA310</u>	<u>12/24</u>
Sample Preservative Source: _____		pH (10) <u>2GC371</u>	<u>8/24</u>
Disposable Filter Type: _____		ORP <u>2GC491</u>	<u>12/22</u>
DO Calibration Fluids Source: _____		Spec. Conductivity <u>2GA625</u>	<u>1/23</u>
Other: _____		Turb. Stan. <u>20</u>	<u>7/23</u>
		Turb. Stan. <u>100</u>	<u>7/23</u>
		Turb. Stan. <u>800</u>	<u>7/23</u>
NOTES:		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: Hinesburg LF **Date:** 5/11/22 **Sampler (Sig/Date):**
SEI Project Number: 20211205 **Task:** low-flow ground water
Project Location: Hinesburg **Checked By/Date:** KRM/SUN
Weather Conditions (AM): water 50s, sunny **Weather Conditions (PM):** warm/80s, sunny

MULTI-PARAMETER WATER QUALITY METER									
Meter Type: <u>YSI</u>				AM Calibration			Post Calibration Check		
Model NO.:				Start Time <u>0825</u> / End Time <u>0859</u>			Start Time <u>1700</u> / End Time <u>1717</u>		
Unit ID NO.: <u>6758</u>				*Acceptance Criteria (AM)			*Acceptance Criteria (PM)		
	Units	Standard Value	Meter Value			Standard Value	Meter Value		
pH (4)	SU	4.0	<u>4.06</u>	±0.1 pH Units					
pH (7)	SU	7.0	<u>7.15</u>	±0.1 pH Units	7.0	<u>7.07</u>	±0.3 pH Units		
pH (10)	SU	10.0	<u>10.14</u>	±0.1 pH Units					
ORP	mV	<u>220</u>	<u>219.4</u>	±10 mV	<u>220</u>	<u>161.0</u>	±10 mV		
Specific Conductance	µs/cm	<u>336</u>	<u>336.0</u>	±0.5% of Standard	<u>464</u>	<u>690</u>	±5% of Standard		
Dissolved Oxygen	%	<u>100</u>	<u>99.1</u>	±2% of Standard	<u>100</u>	<u>97.1</u>	±0.5 mg/L of sat. val.		
Temperature	°C		<u>10.6</u>			<u>28.9</u>			
Baro. Press.	mmHg		<u>756.2</u>			<u>751.5</u>			

TURBIDITY METER							
Meter Type:				Model NO.:		Unit ID NO.: <u>hcl5</u>	
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
	NTU	<u>20</u>	<u>19.9</u>	±0.3 NTU of stan. Of	<u>20</u>	<u>19.1</u>	±0.3 NTU of stan. Of
	NTU	<u>100</u>	<u>101</u>	1.0 NTU or less. ±5%	<u>100</u>	<u>96.0</u>	1.0 NTU or less. ±5%
	NTU	<u>800</u>	<u>795</u>	of standards >5 NTU	<u>800</u>	<u>752</u>	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>19E080</u>	<u>May/13</u>
Trip Blank Source:			pH (7)	<u>19I516</u>	<u>Sep/23</u> ↑
Sample Preservative Source:			pH (10)	<u>29A310</u>	<u>Jan/24</u>
Disposable Filter Type:			ORP	<u>26C491</u>	<u>08/22</u>
DO Calibration Fluids Source:			Spec. Conductivity	<u>29A625</u>	<u>Jan/23</u>
Other:			Turb. Stan. <u>20</u>	<u>350</u>	<u>07/23</u>
			Turb. Stan. <u>100</u>	<u>350</u>	<u>07/23</u>
			Turb. Stan. <u>800</u>	<u>350</u>	<u>07/23</u>
			PID Scan Gas		
			O ₂ LEL		
			Other		



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

Stone Environmental, Inc. Field Instrument Calibration Record

Project Name: Lanesburg LF **Date:** 5/11/22 **Sampler (Sig/Date):** _____
SEI Project Number: 20211205 **Task:** low-flow groundwater
Project Location: 209 20211205 **Checked By/Date:** KRM 5/11/22
Weather Conditions (AM): cool, sunny **Weather Conditions (PM):** 80c, sunny

MULTI-PARAMETER WATER QUALITY METER					Post Calibration Check		
Meter Type:	AM Calibration				Start Time	End Time	Acceptance
<u>YSI</u>	Start Time	<u>825</u>	/End Time	<u>843</u>	<u>1709</u>	<u>1731</u>	<u>1731</u>
Model NO.:	Unit ID NO.:			*Acceptance	Standard Value	Meter Value	Criteria (PM)
pH (4)	SU	4.0	Meter Value	±0.1 pH Units			
			<u>4.07</u>				
pH (7)	SU	7.0	<u>7.19</u>	±0.1 pH Units	7.0	<u>6.94</u>	±0.3 pH Units
pH (10)	SU	10.0	<u>10.15</u>	±0.1 pH Units			
ORP	mV	<u>220</u>	<u>211.1</u>	±10 mV	<u>220</u>	<u>219.1</u>	±10 mV
Specific Conductance	µs/cm	<u>330</u>	<u>401.4</u>	±0.5% of Standard	<u>404</u>	<u>309</u>	±5% of Standard
Dissolved Oxygen	%	<u>100</u>	<u>102.1</u>	±2% of Standard	<u>100</u>	<u>90.9</u>	±0.5 mg/L of sat. val.
Temperature	°C		<u>8.4</u>			<u>28.0</u>	
Baro. Press.	mmHg		<u>756.2</u>			<u>750.9</u>	

TURBIDITY METER		Meter Type:	Model NO.:	Unit ID NO.:
Units	Standard Value	Meter Value	*Acceptance	Criteria (AM)
NTU	<u>20</u>	<u>20.2</u>	±0.3 NTU of stan. Of	
NTU	<u>100</u>	<u>101</u>	1.0 NTU or less. ±5%	
NTU	<u>800</u>	<u>805</u>	of standards >5 NTU	

PHOTONIZATION DETECTOR		Meter Type:	Model NO.:	Unit ID NO.:
Units	Standard Value	Meter Value	*Acceptance	Criteria (AM)
Background	0.0		within 5 ppmv of BG	
Span Gas	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)
Methane	50		±10% of standard	
O ₂	20.9		±10% of standard	
H ₂ S	25		±10% of standard	
CO	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>1GE080</u>	<u>May/23</u>
Trip Blank Source: _____	pH (7) <u>2GA310</u>	<u>Jan/24</u>
Sample Preservative Source: _____	pH (10) <u>1GT516</u>	<u>Sep/23</u>
Disposable Filter Type: _____	ORP <u>2GC491</u>	<u>Dec/22</u>
DO Calibration Fluids Source: _____	Spec. Conductivity <u>2GA625</u>	<u>Jan/23</u>
Other: _____	Turb. Stan. <u>20</u> <u>220</u>	<u>09/22</u>
NOTES:	Turb. Stan. <u>100</u> <u>230</u>	<u>09/22</u>
	Turb. Stan. <u>800</u> <u>230</u>	<u>09/22</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 PFAS Sample Analytical Results

Sample ID	VGES	MW-1R	MW-2S	MW-3S	MW-3D
Sample Date	CAS#	6/7/2022	5/18/2022	5/11/2022	6/9/2022
	(ng/l)	Q	Q	Q	Q
4:2 Fluorotelomersulfonic acid (4:2FTS A)	757124-72-4	NE 1.61 U	1.85 U	1.88 UH	1.83 U
6:2 Fluorotelomersulfonic acid (6:2FTS A)	27619-97-2	NE 4.03 U	4.63 U	4.7 UH	24.5
8:2 Fluorotelomersulfonic acid (8:2FTS A)	39108-34-4	NE 2.42 U	2.78 U	2.82 UH	2.74 U
NEtFOSAA	2991-50-6	NE 2.42 U	2.78 U	2.82 UH	2.74 U
NMeFOSAA	2355-31-9	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE 1.61 U	1.85 U	2.42 H	5.00
Perfluorobutanoic acid (PFBA)	375-22-4	NE 4.03 U	4.63 U	10.8 H	27.4
Perfluorodecanesulfonic acid (PFDS)	335-77-3	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluorodecanoic acid (PFDA)	335-76-2	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluorododecanoic acid (PFDoA)	307-55-1	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	20 1.61 U	1.85 U	8.07 H	42.1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20 1.61 U	1.85 U	4.08 H	25.8
Perfluorohexanoic acid (PFHxA)	307-24-4	NE 1.61 U	5.5	15.8 H	58.6
Perfluorononanesulfonic acid (PFNS)	68259-12-1	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluorononanoic acid (PFNA)	375-95-1	20 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20 1.61 U	1.85 U	1.97 H	4.78
Perfluorooctanoic acid (PFOA)	335-67-1	20 1.61 U	6.04	31.7 H	119
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NE 1.61 U	1.85 U	1.88 UH	4.5
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE 1.61 U	3.26	7.77 H	28.5
Perfluorotetradecanoic acid (PFTA)	376-06-7	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluorotridecanoic acid (PFTTrDA)	72629-94-8	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NE 1.61 U	1.85 U	1.88 UH	1.83 U
Total Regulated PFAS		20 1.61 U	6.04	45.8	192

Sample ID		VGES	MW-4S		MW-4D		MW-4D-FD		EB-060922	
Sample Date	CAS#	(ng/l)	6/7/2022	Q	6/7/2022	Q	6/7/2022	Q	6/9/2022	Q
4:2 Fluorotelomersulfonic acid (4:2FTS A)	757124-72-4	NE	1.65 U		1.84 U		1.85 U		2.05 U	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	27619-97-2	NE	4.13 U		4.59 U		4.62 U		5.13 U	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	39108-34-4	NE	2.48 U		2.75 U		2.77 U		3.08 U	
NEtFOSAA	2991-50-6	NE	2.48 U		2.75 U		2.77 U		3.08 U	
NMeFOSAA	2355-31-9	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorobutanoic acid (PFBA)	375-22-4	NE	8.95		4.59 U		4.62 U		5.13 U	
Perfluorodecanesulfonic acid (PFDS)	335-77-3	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorodecanoic acid (PFDA)	335-76-2	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorododecanoic acid (PFDoA)	307-55-1	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	8.75		1.84 U		1.85 U		2.05 U	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	3.31		1.84 U		1.85 U		2.05 U	
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	11.6		1.84 U		1.85 U		2.05 U	
Perfluorononanesulfonic acid (PFNS)	68259-12-1	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorononanoic acid (PFNA)	375-95-1	20	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorooctanesulfonamide (FOSA)	754-91-6	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorooctanoic acid (PFOA)	335-67-1	20	24.2		1.84 U		1.85 U		2.05 U	
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	5.81		1.84 U		1.85 U		2.05 U	
Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluorotridecanoic acid (PFTTrDA)	72629-94-8	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NE	1.65 U		1.84 U		1.85 U		2.05 U	
Total Regulated PFAS		20	36.3		1.84 U		2.85 U		2.05 U	

Key:
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 Total Regulated PFAS - Cumulative sum of PFOA, PFOS, PFHxS, PFHpA, and PFNA
 ng/L - nanograms per liter (parts per trillion)
Bold results indicate detections of the analyte
 Shaded results indicate an exceedance of the VGES
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 H - Analyzed past required holding time

Table C-2
Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	VGES	MW-1R	MW-2S	MW-3S	MW-3D	MW-4S	
Sample Date		6/7/2022	5/18/2022	5/11/2022	6/9/2022	6/7/2022	
CAS#	(µg/l)	Q	Q	Q	Q	Q	
1,1,1,2-Tetrachloroethane	630-20-6	70	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	71-55-6	200	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	79-00-5	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	70	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	7	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	563-58-6	NE	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	87-61-6	0.9	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	96-18-4	0.02	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	120-82-1	70	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	95-63-6	23	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	96-12-8	0.2	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	95-50-1	600	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	5	1 U	1 U	1 U	1 U	1 U
1,3,5-Trichlorobenzene	108-70-3	NE	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	23	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	600	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	142-28-9	NE	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	75	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	123-91-1	0.3	50 U	50 U	50 U	50 U	50 U
2,2-Dichloropropane	594-20-7	NE	1 U	1 U	1 U	1 U	1 U
2-Butanone	78-93-3	511	2 U	2 U	2 U	2 U	2 U
2-Chlorotoluene	CLBZME2	NE	1 U	1 U	1 U	1 U	1 U
2-Hexanone	591-78-6	NE	2 U	2 U	2 U	2 U	2 U
4-Chlorotoluene	106-43-4	100	1 U	1 U	1 U	1 U	1 U
4-Isopropyltoluene	CYMP	NE	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	108-10-1	NE	2 U	2 U	2 U	2 U	2 U
Acetone	67-64-1	950	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	107-13-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	71-43-2	5	1 U	1 U	1 U	1.08	2.30
Bromobenzene	108-86-1	NE	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	NE	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	NE	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	100	1 U	1 U	1 U	1 U	2.46
Chlorobromomethane	74-97-5	8	1 U	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	NE	2 U	2 U	2 U	2 U	2 U
Chloroform	67-66-3	NE	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	70	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
Cumene	98-82-8	NE	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	74-95-3	NE	1 U	1 U	1 U	1 U	1 U
Ethanol	64-17-5	NE	200 U	200 U	200 U	200 U	200 U
Ethyl ether	60-29-7	NE	1 U	1 U	4.01	10	7.11
Ethylbenzene	100-41-4	700	1 U	1 U	1 U	1 U	1 U
Ethylene dibromide	106-93-4	0.05	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl-tert-butyl ether	637-92-3	NE	1 U	1 U	1 U	1 U	1 U
Freon 11	75-69-4	NE	1 U	1 U	1 U	1 U	1 U
Freon 113	76-13-1	NE	1 U	1 U	1 U	1 U	1 U
Freon 12	75-71-8	NE	2 U	2 U	2 U	2 U	2 U
Hexachlorobutadiene	87-68-3	NE	1 U	1 U	1 U	1 U	1 U
Isopropyl ether	108-20-3	NE	1 U	1 U	1 U	1 U	1 U
m,p Xylenes	179601-23-1	NE	1 U	1 U	1 U	1 U	1 U
Methyl bromide	74-83-9	5	2 U	2 U	2 U	2 U	2 U
Methyl chloride	74-87-3	NE	2 U	2 U	2 U	2 U	2 U
Methyl tert-butyl ether	1634-04-4	11	1 U	1 U	1 U	1 U	1 U
Methylene chloride	75-09-2	5	2 U	2 U	2 U	2 U	2 U
Naphthalene	91-20-3	0.5	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	104-51-8	NE	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	103-65-1	NE	1 U	1 U	1 U	1 U	1 U
o-Xylene	95-47-6	10000	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	BTBZS	NE	1 U	1 U	1 U	1 U	1 U
Styrene	100-42-5	100	1 U	1 U	1 U	1 U	1 U
Tert-amyl methyl ether	994-05-8	NE	1 U	1 U	1 U	1 U	1 U
Tert-Butyl alcohol	75-65-0	NE	10 U	10 U	10 U	10 U	10 U
Tert-Butylbenzene	98-06-6	NE	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U	1 U
Tetrahydrofuran	109-99-9	NE	2 U	2 U	2 U	19.8	2 U
Toluene	108-88-3	1000	1 U	1 U	1 U	1 U	1 U
Total Trimethylbenzene	25551-13-7	NE	1 U	1 U	1 U	1 U	1 U
Total Xylene	1330-20-7	10000	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	100	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
trans-1,4-Dichlorobutene	110-57-6	NE	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
Vinyl chloride	75-01-4	2	1 U	1 U	1 U	1 U	1 U

Sample ID	VGES	MW-4D	MW-4D-FD	Trip Blank	EB-060922	RPD (MW-4D)
Sample Date	CAS#	6/7/2022	6/7/2022	6/7/2022	6/9/2022	
	(µg/l)	Q	Q	Q	Q	Q
1,1,1,2-Tetrachloroethane	630-20-6	70	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	71-55-6	200	1 U	1 U	1 U	1 U
1,1,2,2-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	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	70	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	7	1 U	1 U	1 U	1 U
1,1-Dichloropropene	563-58-6	NE	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
1,2,3-Trichloropropane	96-18-4	0.02	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	120-82-1	70	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	95-63-6	23	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
1,2-Dichlorobenzene	95-50-1	600	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	5	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	5	1 U	1 U	1 U	1 U
1,3,5-Trichlorobenzene	108-70-3	NE	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	108-67-8	23	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	541-73-1	600	1 U	1 U	1 U	1 U
1,3-Dichloropropane	142-28-9	NE	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	75	1 U	1 U	1 U	1 U
1,4-Dioxane	123-91-1	0.3	50 U	50 U	50 U	50 U
2,2-Dichloropropane	594-20-7	NE	1 U	1 U	1 U	1 U
2-Butanone	78-93-3	511	2 U	2 U	2 U	2 U
2-Chlorotoluene	CLBZME2	NE	1 U	1 U	1 U	1 U
2-Hexanone	591-78-6	NE	2 U	2 U	2 U	2 U
4-Chlorotoluene	106-43-4	100	1 U	1 U	1 U	1 U
4-Isopropyltoluene	CYMP	NE	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	108-10-1	NE	2 U	2 U	2 U	2 U
Acetone	67-64-1	950	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
Benzene	71-43-2	5	1 U	1 U	1 U	1 U
Bromobenzene	108-86-1	NE	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
Bromoform	75-25-2	NE	1 U	1 U	1 U	1 U
Carbon disulfide	75-15-0	NE	2 U	2 U	2 U	2 U
Carbon tetrachloride	56-23-5	5	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	100	1 U	1 U	1 U	1 U
Chlorobromomethane	74-97-5	8	1 U	1 U	1 U	1 U
Chloroethane	75-00-3	NE	2 U	2 U	2 U	2 U
Chloroform	67-66-3	NE	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	156-59-2	70	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
Cumene	98-82-8	NE	1 U	1 U	1 U	1 U
Dibromochloromethane	124-48-1	NE	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
Ethanol	64-17-5	NE	200 U	200 U	200 U	200 U
Ethyl ether	60-29-7	NE	1 U	1 U	1 U	1 U
Ethylbenzene	100-41-4	700	1 U	1 U	1 U	1 U
Ethylene dibromide	106-93-4	0.05	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl-tert-butyl ether	637-92-3	NE	1 U	1 U	1 U	1 U
Freon 11	75-69-4	NE	1 U	1 U	1 U	1 U
Freon 113	76-13-1	NE	1 U	1 U	1 U	1 U
Freon 12	75-71-8	NE	3.11	3.05	2 U	2 U
Hexachlorobutadiene	87-68-3	NE	1 U	1 U	1 U	1 U
Isopropyl ether	108-20-3	NE	1 U	1 U	1 U	1 U
m,p Xylenes	179601-23-1	NE	1 U	1 U	1 U	1 U
Methyl bromide	74-83-9	5	2 U	2 U	2 U	2 U
Methyl chloride	74-87-3	NE	2 U	2 U	2 U	2 U
Methyl tert-butyl ether	1634-04-4	11	1 U	1 U	1 U	1 U
Methylene chloride	75-09-2	5	2 U	2 U	2 U	2 U
Naphthalene	91-20-3	0.5	2 U	2 U	2 U	2 U
n-Butylbenzene	104-51-8	NE	1 U	1 U	1 U	1 U
n-Propylbenzene	103-65-1	NE	1 U	1 U	1 U	1 U
o-Xylene	95-47-6	10000	1 U	1 U	1 U	1 U
sec-Butylbenzene	BTBZS	NE	1 U	1 U	1 U	1 U
Styrene	100-42-5	100	1 U	1 U	1 U	1 U
Tert-amyl methyl ether	994-05-8	NE	1 U	1 U	1 U	1 U
Tert-Butyl alcohol	75-65-0	NE	10 U	10 U	10 U	10 U
Tert-Butylbenzene	98-06-6	NE	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	5	1 U	1 U	1 U	1 U
Tetrahydrofuran	109-99-9	NE	2 U	2 U	2 U	2 U
Toluene	108-88-3	1000	1 U	1 U	1 U	1 U
Total Trimethylbenzene	25551-13-7	NE	1 U	1 U	1 U	1 U
Total Xylene	1330-20-7	10000	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	156-60-5	100	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
trans-1,4-Dichlorobutene	110-57-6	NE	5 U	5 U	5 U	5 U
Trichloroethene	79-01-6	5	1 U	1 U	1 U	1 U
Vinyl chloride	75-01-4	2	1 U	1 U	1 U	1 U

Key:

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

Bold results indicate detections of the analyte

Shaded results indicate an exceedance of the VGES

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

Table C-3
Groundwater METALS Sample Analytical Results

Sample ID	VGES	MW-1R	MW-2S	MW-3S	MW-3D	MW-4S
Sample Date		6/7/2022	5/18/2022	5/11/2022	6/9/2022	6/7/2022
CAS#	(µg/l)					
Arsenic	7440-38-2	7.1	136	36	14	201
Cadmium	7440-43-9	2.5 U	5 U	5 U	2.5 U	2.5 U
Chromium	7440-47-3	15.8	10 U	10 U	5 U	5 U
Copper	7440-50-8	13.5	10 U	15.5	5 U	5 U
Iron	7439-89-6	NE	11800	15400	4020	4030
Lead	7439-92-1	15	10.4	15 U	15 U	7.5 U
Manganese	7439-96-5T	300	308	1010	2930	2340
Nickel	7440-02-0	100	10.7	15.2	10 U	38
Sodium	7440-23-5	NE	3640	2840	14400	75400
Zinc	7440-66-6	NE	36.9	50 U	50 U	25 U
Mercury	7439-97-6	2	0.2 U	0.2 U	0.2 U	0.2 U

Sample ID	VGES	MW-4D	MW-4D-FD	EB-060922	RPD (MW-4D)
Sample Date		6/7/2022	6/7/2022	6/9/2022	
CAS#	(µg/l)				
Arsenic	7440-38-2	4 U	4	4 U	-
Cadmium	7440-43-9	2.5 U	2.5 U	2.5 U	-
Chromium	7440-47-3	5 U	7.75	5 U	-
Copper	7440-50-8	1300	5.6	8.2	5 U
Iron	7439-89-6	NE	3800	7120	50 U
Lead	7439-92-1	15	7.5 U	7.5 U	7.5 U
Manganese	7439-96-5T	300	187	227	5 U
Nickel	7440-02-0	100	5 U	7.2	5 U
Sodium	7440-23-5	NE	9330	NA	3610
Zinc	7440-66-6	NE	25 U	25 U	25 U
Mercury	7439-97-6	2	0.2 U	0.2 U	0.2 U

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

Table C-4
Groundwater WET CHEMISTRY Sample Analytical Results

Sample ID		VGES	MW-1R		MW-2S		MW-3S		MW-3D		MW-4S	
Sample Date	CAS#		6/7/2022	Q	5/18/2022	Q	5/11/2022	Q	6/9/2022	Q	6/7/2022	Q
		(µg/l)										
Chloride	16887-00-6	NE	2000	U	2470		NA		35600		8700	
		(mg/l)										
Chemical oxygen demand	COD	NE	75	U	75	U	75	U	75	U	75	U
Sample ID		VGES	MW-4D		MW-4D-FD		EB-060922					
Sample Date	CAS#		6/7/2022	Q	6/7/2022	Q	6/9/2022	Q				
		(µg/l)										
Chloride	16887-00-6	NE	2110		NA		NA					
		(mg/l)										
Chemical oxygen demand	COD	NE	188	U	241		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 VGES
 NE - screening level not established
 mg/L - milligrams per liter
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed
 NA- Not Analyzed

Table C-5
Drinking Water PFAS Sample Analytical Results

Sample ID	CAS#	DWHA/VGES	152 Forest Edge Rd - INF		152 Forest Edge Rd - MID		152 Forest Edge Rd - EFF		56 Forest Edge	
			5/17/2022	Q	5/17/2022	Q	5/17/2022	Q	6/9/2022	Q
		(ng/l)								
NEtFOSAA	2991-50-6	NE	1.88	U	1.78	U	1.88	U	1.68	U
NMeFOSAA	2355-31-9	NE	1.88	U	1.78	U	1.88	U	1.68	U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	1.88	U	1.78	U	1.88	U	1.68	U
Perfluorodecanoic acid (PFDA)	335-76-2	NE	1.88	U	1.78	U	1.88	U	1.68	U
Perfluorododecanoic acid (PFDoA)	307-55-1	NE	1.88	U	1.78	U	1.88	U	1.68	U
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	2.70		1.78	U	1.88	U	1.68	U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	1.88	U	1.78	U	1.88	U	1.68	U
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	4.53		1.78	U	1.88	U	1.68	U
Perfluorononanoic acid (PFNA)	375-95-1	20	1.88	U	1.78	U	1.88	U	1.68	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.88	U	1.78	U	1.88	U	4.46	
Perfluorooctanoic acid (PFOA)	335-67-1	20	2.69		1.78	U	1.88	U	3.35	
Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	1.88	U	1.78	U	1.88	U	1.68	U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	NE	1.88	U	1.78	U	1.88	U	1.68	U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NE	1.88	U	1.78	U	1.88	U	1.68	U
Total regulated PFAS		20	5.39		1.78	U	1.88	U	7.81	

Sample ID	CAS#	DWHA/VGES	907 Beecher- INF		907 Beecher- FD		907 Beecher- MID		907 Beecher- EFF		907 Beecher- FB		RPD
			6/7/2022	Q	6/7/2022	Q	6/7/2022	Q	6/7/2022	Q	6/7/2022	Q	
		(ng/l)											
NEtFOSAA	2991-50-6	NE	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
NMeFOSAA	2355-31-9	NE	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	2.40		2.45		1.6	U	1.65	U	1.59	U	2%
Perfluorodecanoic acid (PFDA)	335-76-2	NE	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Perfluorododecanoic acid (PFDoA)	307-55-1	NE	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	9.89		9.65		1.6	U	1.65	U	1.59	U	2%
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	6.66		6.58		1.6	U	1.65	U	1.59	U	1%
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	16.1		15.3		1.6	U	1.65	U	1.59	U	5%
Perfluorononanoic acid (PFNA)	375-95-1	20	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Perfluorooctanoic acid (PFOA)	335-67-1	20	29.2		28.5		1.6	U	1.65	U	1.59	U	2%
Perfluorotetradecanoic acid (PFTA)	376-06-7	NE	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	NE	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NE	1.62	U	1.63	U	1.6	U	1.65	U	1.59	U	--
Total regulated PFAS		20	45.8		44.7		1.6	U	1.65	U	1.59	U	2%

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

Table C-6
Drinking Water VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

Sample ID	Sample Date	DWH/VGES	152 Forest Edge Rd - INF		152 Forest Edge Rd - MID		152 Forest Edge Rd - EFF		56 Forest Edge		
			5/17/2022	Q	5/17/2022	Q	5/17/2022	Q	6/9/2022	Q	
		(µg/l)									
1,1,1,2-Tetrachloroethane	630-20-6	70	0.5	U	0.5	U	0.5	U	0.5	U	
1,1,1-Trichloroethane	71-55-6	200	0.5	U	0.5	U	0.5	U	0.5	U	
1,1,2,2-Tetrachloroethane	79-34-5	NE	0.5	U	0.5	U	0.5	U	0.5	U	
1,1,2-Trichloroethane	79-00-5	5	0.5	U	0.5	U	0.5	U	0.5	U	
1,1-Dichloroethane	75-34-3	70	0.5	U	0.5	U	0.5	U	0.5	U	
1,1-Dichloroethene	75-35-4	7	0.5	U	0.5	U	0.5	U	0.5	U	
1,1-Dichloropropene	563-58-6	NE	0.5	U	0.5	U	0.5	U	0.5	U	
1,2,3-Trichlorobenzene	87-61-6	0.9	0.5	U	0.5	U	0.5	U	0.5	U	
1,2,3-Trichloropropane	96-18-4	0.02	0.5	U	0.5	U	0.5	U	0.5	U	
1,2,4-Trichlorobenzene	120-82-1	70	0.5	U	0.5	U	0.5	U	0.5	U	
1,2,4-Trimethylbenzene	95-63-6	23	0.5	U	0.5	U	0.5	U	0.5	U	
1,2-Dibromo-3-chloropropane	96-12-8	0.2	1	U	1	U	1	U	1	U	
1,2-Dichlorobenzene	95-50-1	600	0.5	U	0.5	U	0.5	U	0.5	U	
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	CLBZME2	NE	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	U	
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	
Bromodichloromethane	75-27-4	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Bromoform	75-25-2	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Carbon disulfide	75-15-0	NE	2	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	
Chlorobromomethane	74-97-5	8	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	0.662	U	
cis-1,2-Dichloroethene	156-59-2	70	0.5	U	0.5	U	0.5	U	0.5	U	
cis-1,3-Dichloropropene	10061-01-5	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Cumene	98-82-8	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Cymene	99-87-6	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Dibromochloromethane	124-48-1	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Dibromomethane	74-95-3	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Ethyl ether	60-29-7	NE	6.95	U	0.5	U	0.5	U	0.5	U	
Ethylbenzene	100-41-4	700	0.5	U	0.5	U	0.5	U	0.5	U	
Ethylene dibromide	106-93-4	0.05	0.5	U	0.5	U	0.5	U	0.5	U	
Ethyl-tert-butyl ether	637-92-3	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Freon 11	75-69-4	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Freon 113	76-13-1	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Freon 12	75-71-8	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Hexachlorobutadiene	87-68-3	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Isopropyl ether	108-20-3	NE	0.5	U	0.5	U	0.5	U	0.5	U	
m,p Xylenes	179601-23-1	NE	1	U	1	U	1	U	1	U	
Methyl bromide	74-83-9	5	0.5	U	0.5	U	0.5	U	0.5	U	
Methyl chloride	74-87-3	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Methyl tert-butyl ether	1634-04-4	11	0.5	U	0.5	U	0.5	U	0.5	U	
Methylene chloride	75-09-2	5	11.8	U	4.33	U	0.5	U	0.5	U	
Naphthalene	91-20-3	0.5	0.5	U	0.5	U	0.5	U	0.5	U	
n-Butylbenzene	104-51-8	NE	0.5	U	0.5	U	0.5	U	0.5	U	
n-Propylbenzene	103-65-1	NE	0.5	U	0.5	U	0.5	U	0.5	U	
o-Xylene	95-47-6	10000	0.5	U	0.5	U	0.5	U	0.5	U	
sec-Butylbenzene	BTBZS	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Styrene	100-42-5	100	0.5	U	0.5	U	0.5	U	0.5	U	
Tert-amyl methyl ether	994-05-8	NE	0.5	U	0.5	U	0.5	U	0.5	U	
Tert-Butyl alcohol	75-65-0	NE	25	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	16.6	U	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	
Vinyl chloride	75-01-4	2	0.5	U	0.5	U	0.5	U	0.5	U	

Sample ID Sample Date	CAS#	DWHA/ VGES	907 Beecher- INF	907 Beecher- FD	907 Beecher- MD	907 Beecher- EFF	RPD	
		(µg/l)	6/7/2022	Q	6/7/2022	Q	6/7/2022	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	--
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-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	CLBZME2	NE	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	--
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	--
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	--
Chlorobromomethane	74-97-5	8	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	--
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	--
Cumene	98-82-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Cymene	99-87-6	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
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	--
Ethyl ether	60-29-7	NE	8.23	8.15	0.5 U	0.5 U	0.5 U	1%
Ethylbenzene	100-41-4	700	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Ethylene dibromide	106-93-4	0.05	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Ethyl-tert-butyl ether	637-92-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Freon 11	75-69-4	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Freon 113	76-13-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Freon 12	75-71-8	NE	2.84	2.82	0.5 U	0.5 U	0.5 U	1%
Hexachlorobutadiene	87-68-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Isopropyl ether	108-20-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
m,p Xylenes	179601-23-1	NE	1 U	1 U	1 U	1 U	1 U	--
Methyl bromide	74-83-9	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Methyl chloride	74-87-3	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Methyl tert-butyl ether	1634-04-4	11	0.847	0.909	0.5 U	0.5 U	0.5 U	7%
Methylene chloride	75-09-2	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Naphthalene	91-20-3	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
n-Butylbenzene	104-51-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
n-Propylbenzene	103-65-1	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
o-Xylene	95-47-6	10000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
sec-Butylbenzene	BTBZS	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	--
Tert-amyl methyl ether	994-05-8	NE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--
Tert-Butyl alcohol	75-65-0	NE	25 U	25 U	25 U	25 U	25 U	--
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	18.8	19.0	7 U	7 U	7 U	1%
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	--
Vinyl chloride	75-01-4	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--

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

Table and Time Series C-7
MW-2S

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

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-8
MW-2D

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

Key:

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

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

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-9
MW-3S

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

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-10
MW-3D

Sample ID		VGES	MW-5 (MW-3D)		MW-3D		MW-3D	
Sample Date	CAS#		6/14/2021	Q	12/27/2021	Q	6/9/2022	Q
Analyte								
VOCs		(µg/l)						
Benzene	71-43-2	5	0.8		1.0 U		1.08	
Ethyl ether	60-29-7	NE	7.8		14.8		10	
Tetrahydrofuran	109-99-9	NE	21		42.6		19.8	
Toluene	108-88-3	1000	1.9		1.0 U		1.0 U	
Vinyl chloride	75-01-4	2	4.7		1.33		1.0 U	
PFAS		(ng/L)						
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	NE	NA		73.0		24.5	
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NA		3.69		5.00	
Perfluorobutanoic acid (PFBA)	375-22-4	NE	NA		28.1		27.4	
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA		43.7		42.1	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA		23.8		25.8	
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA		59.4		58.6	
Perfluorononanoic acid (PFNA)	375-95-1	20	NA		1.82 U		1.83 U	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA		5.57		4.78	
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA		91.3		119	
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NE	NA		3.83		4.5	
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	NA		26.0		28.5	
Total Regulated PFAS		20	NA		164.4		192	
Total Metals		(µg/l) (dissolved)						
Arsenic	7440-38-2	10	5.6		8.0 U		14	
Iron	7439-89-6	NE	NA		3340		4030	
Manganese	7439-96-5T	300	850		2120		2340	
Sodium	7440-23-5	NE	52000		97300		75400	
COD		(mg/L)						
COD			28		38		75 U	
Chloride		(µg/l)						
Chloride	16887-00-6		33000		45900		35600	

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-11
MW-4S

Sample ID		VGES	MW-4S		MW-4S	
Sample Date	CAS#		12/23/2021	Q	6/7/2022	Q
Analyte						
VOCs		(µg/l)				
Benzene	71-43-2	5	2.20		2.30	
Chlorobenzene	108-90-7	100	1.0	U	2.46	
Ethyl ether	60-29-7	NE	9.65		7.11	
Tetrahydrofuran	109-99-9	NE	7.43		2.0	U
PFAS		(ng/L)				
Perfluorobutanoic acid (PFBA)	375-22-4	NE	9.04		8.95	
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	7.52		8.75	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	2.72		3.31	
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	11.1		11.6	
Perfluorononanoic acid (PFNA)	375-95-1	20	1.82	U	1.65	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	1.82	U	1.65	U
Perfluorooctanoic acid (PFOA)	335-67-1	20	19.4		24.2	
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	3.97		5.81	
Total Regulated PFAS		20	29.6		36.3	
Total Metals		(µg/l)				
Arsenic	7440-38-2	10	169		201	
Iron	7439-89-6	NE	11100		13000	
Manganese	7439-96-5T	300	663		201	
Sodium	7440-23-5	NE	38100		18500	
COD		(mg/L)				
COD			27		75	U
Chloride		(µg/l)				
Chloride	16887-00-6		9700		8700	

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-12

MW-4D

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

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-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	
Sample Date	CAS#		6/21/2021	Q	7/20/2021	Q	11/4/2021	Q	5/17/2022	Q
Analyte										
VOCs		(µg/L)								
Ethyl ether	60-29-7	NE	5.3		5.0	U	NA		6.95	
Methylene chloride	75-09-2	5	10.8		8.6		11.1		11.8	
Tetrahydrofuran (THF)	109-99-9	NE	18.1		17.3		NA		16.6	
PFAS		(ng/L)								
Perfluorobutanoic acid (PFBA)	375-22-4	NE	NA		5.90		4.4	U	NA	
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA		2.93		2.79		2.70	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA		2.04	U	1.76	U	1.88	U
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA		5.84		5.60		4.53	
Perfluorononanoic acid (PFNA)	375-95-1	20	NA		2.04	U	1.76	U	1.88	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA		2.04	U	1.76	U	1.88	U
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA		3.01		2.30		2.69	
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	NA		4.81		3.18		NA	
Total Regulated PFAS		20	NA		5.94		5.09		5.39	

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-14
Hinesburg Highway Garage

Sample ID		DWHA/ VGES	Hinesburg Highway Garage		Hinesburg Garage		907 Beecher - INF		907 Beecher- INF	
Sample Date			6/21/2021	Q	7/20/2021	Q	12/16/2021	Q	6/7/2022	Q
Analyte										
VOCs		(µg/l)								
Ethyl ether	60-29-7	NE	6.3		6.7		9.01		8.23	
Freon 12	75-71-8	NE	5.0	U	5.0	U	2.59		2.84	
Methyl tert-butyl ether	1634-04-4	11	2.0	U	2.0	U	1.01		0.847	
Tetrahydrofuran	109-99-9	NE	23.7		24.3		28.0		18.8	
PFAS		(ng/L)								
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NE	NA		2.94		2.33		2.4	
Perfluorobutanoic acid (PFBA)	375-22-4	NE	NA		7.56		6.18		NA	
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA		10.8		11.4		9.89	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA		7.37		6.43		6.66	
Perfluorohexanoic acid (PFHxA)	307-24-4	NE	NA		18.8		16.1		16.1	
Perfluorononanoic acid (PFNA)	375-95-1	20	NA		1.80	U	1.84	U	1.62	U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NE	NA		2.10		1.84	U	NA	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA		1.80	U	1.84	U	1.62	U
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA		32.4		25.5		29.2	
Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	NE	NA		NA		2.21		NA	
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	NA		9.88		7.28		NA	
Total Regulated PFAS		20	NA		50.6		43.3		45.8	

Key:

VTDH 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-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	
Sample Date			6/21/2021	Q	7/20/2021	Q	6/9/2022	Q
Analyte								
VOCs		(µg/l)						
Chloroform	67-66-3	NE	1.0	U	1.0	U	0.662	
PFAS		(ng/L)						
Perfluoroheptanoic acid (PFHpA)	375-85-9	20	NA		2.21	U	1.68	U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	20	NA		2.21	U	1.68	U
Perfluorononanoic acid (PFNA)	375-95-1	20	NA		2.21	U	1.68	U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	20	NA		3.71		4.46	
Perfluorooctanoic acid (PFOA)	335-67-1	20	NA		4.68		3.35	
Perfluoropentanoic acid (PFPeA)	2706-90-3	NE	NA		2.78		NA	
Total Regulated PFAS		20	NA		8.39		7.81	

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

ANALYTICAL REPORT

Eurofins New England
646 Camp Ave
North Kingstown, RI 02852
Tel: (413)789-9018

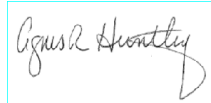
Laboratory Job ID: 620-4608-1

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

For:

Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Attn: Ms. Katrina Mattice



Authorized for release by:
6/29/2022 10:04:45 PM

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

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

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



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Definitions/Glossary

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

Job ID: 620-4608-1

Qualifiers

GC/MS VOA

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

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
I	Value is EMPC (estimated maximum possible concentration).

Metals

Qualifier	Qualifier Description
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

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

Case Narrative

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

Job ID: 620-4608-1

Job ID: 620-4608-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-4608-1

Comments

No additional comments.

Receipt

The samples were received on 5/19/2022 8:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.6° C.

Receipt Exceptions

The samples were shipped in two coolers. The laboratory received one cooler on May 20, 2020 and the second cooler was received on May 23, 2022. The cooler received on May 23 was received at an elevated temperature. Per the client, only the samples received with an acceptable temperature will be logged in for analysis.

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Methods 8260, 8260C: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria. Affected analytes: Carbon disulfide. (CCVIS 620-11144/3)

Methods 8260, 8260C: The continuing calibration verification (CCV) associated with batch 620-11144 exhibited % difference of > 20% for the following analytes: 2-Butanone (MEK) and 2-Methyl-2-propanol; however, the results of the LCS were within the CCV acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 20% difference from the initial calibration. According to the laboratory standard operating procedure, the LCS is acceptable if it meets the CCV acceptance criteria.

Method 8260C: The laboratory control sample (LCS) for analytical batch 620-11144 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene, 1,3,5-Trichlorobenzene, Toluene, tert-Butylbenzene, Tetrachloroethene, 1,1,2-Trichlorotrifluoroethane (Freon 113) and Hexachlorobutadiene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Methods 8260, 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 620-11144 recovered outside control limits for the following analytes: 1,2,4-Trichlorobenzene, 2-Methyl-2-propanol, 1,3,5-Trichlorobenzene, 1,2,3-Trichlorobenzene and Hexachlorobutadiene.

Method 8260C: The continuing calibration verification (CCV) associated with batch 620-11302 exhibited % difference of > 30% for the following analytes: n-Butylbenzene, 1,1,2-Trichloroethane, and Bromomethane; however, the results of the LCS were within the CCV acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 20% difference from the initial calibration. According to the laboratory standard operating procedure, the LCS is acceptable if it meets the CCV acceptance criteria.

Method 524.2: Volatile compounds have been detected above the RL for the following samples: 152 Forest Edge Rd - INF (620-4608-14) and 152 Forest Edge Rd - MID (620-4608-15). Since a field reagent blank/trip blank was not submitted, any potential contamination from the sampling/transport process cannot be assessed.

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

HPLC/IC

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

Metals

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

Case Narrative

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

Job ID: 620-4608-1

Job ID: 620-4608-1 (Continued)

Laboratory: Eurofins New England (Continued)

LCMS

Method 537 (modified): The recovery for the labeled isotope(s) in the following sample: MW-3S (620-4608-2) 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.

The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-3S (620-4608-2).

Method 537 (modified): The recovery for labeled isotope: d5-NEtFOSAA is outside the QC acceptance limits in the opening continuing calibration verification standard, biased high. Since the recovery for the labeled isotope is within QC limits in the following sample: MW-3S (620-4608-2), the data is reported.

Method 537 (modified): The recovery for the labeled isotope(s) in the following sample: MW-2S (620-4608-12) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted outside of the required holding time and the recovery for labeled isotope(s) was again outside QC acceptance limits.

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

General Chemistry

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

Organic Prep

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

Detection Summary

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

Job ID: 620-4608-1

Client Sample ID: MW-3S

Lab Sample ID: 620-4608-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	4.01		1.00	ug/L	1		8260C	Total/NA
Perfluorobutanesulfonic acid	2.42	H	1.88	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	10.8	H	4.70	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	8.07	H	1.88	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	4.08	H	1.88	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	15.8	H	1.88	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	1.97	H I	1.88	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	31.7	H	1.88	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	7.77	H	1.88	ng/L	1		537 IDA	Total/NA
Arsenic	0.0360		0.00800	mg/L	1		6010D	Total/NA
Copper	0.0155		0.0100	mg/L	1		6010D	Total/NA
Iron	4.02		0.100	mg/L	1		6010D	Total/NA
Manganese	2.93		0.0100	mg/L	1		6010D	Total/NA
Sodium	14.4		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: MW-2S

Lab Sample ID: 620-4608-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2.47		2.00	mg/L	5		EPA 300.0 R2.1	Total/NA
Perfluorohexanoic acid	5.50		1.85	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	6.04		1.85	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	3.26		1.85	ng/L	1		537 IDA	Total/NA
Arsenic	0.136		0.00800	mg/L	1		6010D	Total/NA
Iron	15.4		0.100	mg/L	1		6010D	Total/NA
Manganese	1.01		0.0100	mg/L	1		6010D	Total/NA
Nickel	0.0152		0.0100	mg/L	1		6010D	Total/NA
Sodium	2.84		1.50	mg/L	1		6010D	Total/NA

Client Sample ID: 152 Forest Edge Rd - INF

Lab Sample ID: 620-4608-14

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Ethyl ether	6.95		0.500	ug/L	1		524.2	Total/NA
Methylene Chloride	11.8		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	16.6		7.00	ug/L	1		524.2	Total/NA
Perfluorohexanoic acid	4.53		1.88	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	2.70		1.88	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	2.69		1.88	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: 152 Forest Edge Rd - MID

Lab Sample ID: 620-4608-15

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.33		0.500	ug/L	1		524.2	Total/NA

Client Sample ID: 152 Forest Edge Rd - EFF

Lab Sample ID: 620-4608-16

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: MW-3S

Lab Sample ID: 620-4608-2

Date Collected: 05/11/22 15:52

Matrix: Water

Date Received: 05/19/22 08:15

Method: 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			05/25/22 16:04	1
Acetone	ND		10.0	ug/L			05/25/22 16:04	1
Acrylonitrile	ND		0.500	ug/L			05/25/22 16:04	1
Benzene	ND		1.00	ug/L			05/25/22 16:04	1
Bromobenzene	ND		1.00	ug/L			05/25/22 16:04	1
Bromochloromethane	ND		1.00	ug/L			05/25/22 16:04	1
Bromodichloromethane	ND		0.500	ug/L			05/25/22 16:04	1
Bromoform	ND		1.00	ug/L			05/25/22 16:04	1
Bromomethane	ND		2.00	ug/L			05/25/22 16:04	1
2-Butanone (MEK)	ND		2.00	ug/L			05/25/22 16:04	1
n-Butylbenzene	ND		1.00	ug/L			05/25/22 16:04	1
sec-Butylbenzene	ND		1.00	ug/L			05/25/22 16:04	1
tert-Butylbenzene	ND	*+	1.00	ug/L			05/25/22 16:04	1
Carbon disulfide	ND		2.00	ug/L			05/25/22 16:04	1
Carbon tetrachloride	ND		1.00	ug/L			05/25/22 16:04	1
Chlorobenzene	ND		1.00	ug/L			05/25/22 16:04	1
Chloroethane	ND		2.00	ug/L			05/25/22 16:04	1
Chloroform	ND		1.00	ug/L			05/25/22 16:04	1
Chloromethane	ND		2.00	ug/L			05/25/22 16:04	1
2-Chlorotoluene	ND		1.00	ug/L			05/25/22 16:04	1
4-Chlorotoluene	ND		1.00	ug/L			05/25/22 16:04	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			05/25/22 16:04	1
Dibromochloromethane	ND		0.500	ug/L			05/25/22 16:04	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			05/25/22 16:04	1
Dibromomethane	ND		1.00	ug/L			05/25/22 16:04	1
1,2-Dichlorobenzene	ND		1.00	ug/L			05/25/22 16:04	1
1,3-Dichlorobenzene	ND		1.00	ug/L			05/25/22 16:04	1
1,4-Dichlorobenzene	ND		1.00	ug/L			05/25/22 16:04	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			05/25/22 16:04	1
1,1-Dichloroethane	ND		1.00	ug/L			05/25/22 16:04	1
1,2-Dichloroethane	ND		1.00	ug/L			05/25/22 16:04	1
1,1-Dichloroethene	ND		1.00	ug/L			05/25/22 16:04	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			05/25/22 16:04	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			05/25/22 16:04	1
1,2-Dichloropropane	ND		1.00	ug/L			05/25/22 16:04	1
1,3-Dichloropropane	ND		1.00	ug/L			05/25/22 16:04	1
2,2-Dichloropropane	ND		1.00	ug/L			05/25/22 16:04	1
1,1-Dichloropropene	ND		1.00	ug/L			05/25/22 16:04	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/25/22 16:04	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/25/22 16:04	1
Ethylbenzene	ND		1.00	ug/L			05/25/22 16:04	1
Hexachlorobutadiene	ND	*1 *+	1.00	ug/L			05/25/22 16:04	1
2-Hexanone (MBK)	ND		2.00	ug/L			05/25/22 16:04	1
Isopropylbenzene	ND		1.00	ug/L			05/25/22 16:04	1
4-Isopropyltoluene	ND		1.00	ug/L			05/25/22 16:04	1
Methyl tert-butyl ether	ND		1.00	ug/L			05/25/22 16:04	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			05/25/22 16:04	1
Methylene Chloride	ND		2.00	ug/L			05/25/22 16:04	1
Naphthalene	ND		2.00	ug/L			05/25/22 16:04	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: MW-3S

Lab Sample ID: 620-4608-2

Date Collected: 05/11/22 15:52

Matrix: Water

Date Received: 05/19/22 08:15

Method: 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			05/25/22 16:04	1
Styrene	ND		1.00	ug/L			05/25/22 16:04	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			05/25/22 16:04	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/25/22 16:04	1
Tetrachloroethene	ND	*+	1.00	ug/L			05/25/22 16:04	1
Toluene	ND	*+	1.00	ug/L			05/25/22 16:04	1
1,2,3-Trichlorobenzene	ND	*1	1.00	ug/L			05/25/22 16:04	1
1,2,4-Trichlorobenzene	ND	*1 *+	1.00	ug/L			05/25/22 16:04	1
1,3,5-Trichlorobenzene	ND	*1 *+	1.00	ug/L			05/25/22 16:04	1
1,1,1-Trichloroethane	ND		1.00	ug/L			05/25/22 16:04	1
1,1,2-Trichloroethane	ND		1.00	ug/L			05/25/22 16:04	1
Trichloroethene	ND		1.00	ug/L			05/25/22 16:04	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			05/25/22 16:04	1
1,2,3-Trichloropropane	ND		1.00	ug/L			05/25/22 16:04	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			05/25/22 16:04	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			05/25/22 16:04	1
Vinyl chloride	ND		1.00	ug/L			05/25/22 16:04	1
m-Xylene & p-Xylene	ND		1.00	ug/L			05/25/22 16:04	1
o-Xylene	ND		1.00	ug/L			05/25/22 16:04	1
Tetrahydrofuran	ND		2.00	ug/L			05/25/22 16:04	1
Ethyl ether	4.01		1.00	ug/L			05/25/22 16:04	1
Tert-amyl methyl ether	ND		1.00	ug/L			05/25/22 16:04	1
Ethyl tert-butyl ether	ND		1.00	ug/L			05/25/22 16:04	1
di-Isopropyl ether	ND		1.00	ug/L			05/25/22 16:04	1
tert-Butanol	ND	*1	10.0	ug/L			05/25/22 16:04	1
1,4-Dioxane	ND		50.0	ug/L			05/25/22 16:04	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			05/25/22 16:04	1
Ethanol	ND		200	ug/L			05/25/22 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		05/25/22 16:04	1
Toluene-d8 (Surr)	102		70 - 130		05/25/22 16:04	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		05/25/22 16:04	1
Dibromofluoromethane (Surr)	101		70 - 130		05/25/22 16:04	1

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND	H	2.82	ng/L		06/08/22 16:16	06/10/22 15:57	1
NMeFOSAA	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorobutanesulfonic acid	2.42	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorobutanoic acid	10.8	H	4.70	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorodecanesulfonic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorodecanoic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorododecanoic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluoroheptanesulfonic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluoroheptanoic acid	8.07	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorohexanesulfonic acid	4.08	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorohexanoic acid	15.8	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorononanesulfonic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorononanoic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: MW-3S

Lab Sample ID: 620-4608-2

Date Collected: 05/11/22 15:52

Matrix: Water

Date Received: 05/19/22 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorooctanesulfonic acid	1.97	H I	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorooctanoic acid	31.7	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluoropentanesulfonic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluoropentanoic acid	7.77	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorotetradecanoic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluorotridecanoic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
Perfluoroundecanoic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1
6:2 Fluorotelomer sulfonic acid	ND	H	4.70	ng/L		06/08/22 16:16	06/10/22 15:57	1
8:2 Fluorotelomer sulfonic acid	ND	H	2.82	ng/L		06/08/22 16:16	06/10/22 15:57	1
4:2 Fluorotelomer sulfonic acid	ND	H	1.88	ng/L		06/08/22 16:16	06/10/22 15:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	266	*5+	10 - 200	06/08/22 16:16	06/10/22 15:57	1
M2-6:2 FTS	160		17 - 200	06/08/22 16:16	06/10/22 15:57	1
M2-8:2 FTS	104		33 - 200	06/08/22 16:16	06/10/22 15:57	1
13C2 PFTeDA	53		10 - 179	06/08/22 16:16	06/10/22 15:57	1
13C3 HFPO-DA	59		17 - 185	06/08/22 16:16	06/10/22 15:57	1
13C3 PFBS	128		16 - 200	06/08/22 16:16	06/10/22 15:57	1
13C4 PFBA	79		42 - 165	06/08/22 16:16	06/10/22 15:57	1
13C4 PFHpA	73		31 - 182	06/08/22 16:16	06/10/22 15:57	1
13C5 PFPeA	106		38 - 187	06/08/22 16:16	06/10/22 15:57	1
13C8 PFOA	73		48 - 162	06/08/22 16:16	06/10/22 15:57	1
13C8 PFOS	78		51 - 159	06/08/22 16:16	06/10/22 15:57	1
d3-NMeFOSAA	71		31 - 174	06/08/22 16:16	06/10/22 15:57	1
d5-NEtFOSAA	75		29 - 195	06/08/22 16:16	06/10/22 15:57	1
d9-N-EtFOSE-M	42		10 - 177	06/08/22 16:16	06/10/22 15:57	1
13C3 PFHxS	80		28 - 188	06/08/22 16:16	06/10/22 15:57	1
13C5 PFHxA	69		24 - 179	06/08/22 16:16	06/10/22 15:57	1
13C6 PFDA	70		49 - 163	06/08/22 16:16	06/10/22 15:57	1
13C7 PFUnA	63		34 - 174	06/08/22 16:16	06/10/22 15:57	1
d3-NMePFOSA	23		10 - 155	06/08/22 16:16	06/10/22 15:57	1
d5-NEtPFOSA	24		10 - 159	06/08/22 16:16	06/10/22 15:57	1
13C8 FOSA	48		10 - 168	06/08/22 16:16	06/10/22 15:57	1
13C2-PFDoDA	59		17 - 176	06/08/22 16:16	06/10/22 15:57	1
13C9 PFNA	88		51 - 167	06/08/22 16:16	06/10/22 15:57	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0360		0.00800	mg/L		05/25/22 17:38	05/26/22 12:37	1
Cadmium	ND		0.00500	mg/L		05/25/22 17:38	05/26/22 12:37	1
Chromium	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 12:37	1
Copper	0.0155		0.0100	mg/L		05/25/22 17:38	05/26/22 12:37	1
Iron	4.02		0.100	mg/L		05/25/22 17:38	05/26/22 12:37	1
Lead	ND		0.0150	mg/L		05/25/22 17:38	05/26/22 12:37	1
Manganese	2.93		0.0100	mg/L		05/25/22 17:38	05/26/22 12:37	1
Nickel	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 12:37	1
Sodium	14.4		1.50	mg/L		05/25/22 17:38	05/26/22 12:37	1
Zinc	ND		0.0500	mg/L		05/25/22 17:38	05/26/22 12:37	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: MW-3S
Date Collected: 05/11/22 15:52
Date Received: 05/19/22 08:15

Lab Sample ID: 620-4608-2
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		05/26/22 12:45	05/27/22 13:11	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/02/22 06:15	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: 620-4608-1

Client Sample ID: MW-2S

Lab Sample ID: 620-4608-12

Date Collected: 05/18/22 14:50

Matrix: Water

Date Received: 05/19/22 08:15

Method: 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			05/30/22 14:42	1
Acetone	ND		10.0	ug/L			05/30/22 14:42	1
Acrylonitrile	ND		0.500	ug/L			05/30/22 14:42	1
Benzene	ND		1.00	ug/L			05/30/22 14:42	1
Bromobenzene	ND		1.00	ug/L			05/30/22 14:42	1
Bromochloromethane	ND		1.00	ug/L			05/30/22 14:42	1
Bromodichloromethane	ND		0.500	ug/L			05/30/22 14:42	1
Bromoform	ND		1.00	ug/L			05/30/22 14:42	1
Bromomethane	ND		2.00	ug/L			05/30/22 14:42	1
2-Butanone (MEK)	ND		2.00	ug/L			05/30/22 14:42	1
n-Butylbenzene	ND		1.00	ug/L			05/30/22 14:42	1
sec-Butylbenzene	ND		1.00	ug/L			05/30/22 14:42	1
tert-Butylbenzene	ND		1.00	ug/L			05/30/22 14:42	1
Carbon disulfide	ND		2.00	ug/L			05/30/22 14:42	1
Carbon tetrachloride	ND		1.00	ug/L			05/30/22 14:42	1
Chlorobenzene	ND		1.00	ug/L			05/30/22 14:42	1
Chloroethane	ND		2.00	ug/L			05/30/22 14:42	1
Chloroform	ND		1.00	ug/L			05/30/22 14:42	1
Chloromethane	ND		2.00	ug/L			05/30/22 14:42	1
2-Chlorotoluene	ND		1.00	ug/L			05/30/22 14:42	1
4-Chlorotoluene	ND		1.00	ug/L			05/30/22 14:42	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			05/30/22 14:42	1
Dibromochloromethane	ND		0.500	ug/L			05/30/22 14:42	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			05/30/22 14:42	1
Dibromomethane	ND		1.00	ug/L			05/30/22 14:42	1
1,2-Dichlorobenzene	ND		1.00	ug/L			05/30/22 14:42	1
1,3-Dichlorobenzene	ND		1.00	ug/L			05/30/22 14:42	1
1,4-Dichlorobenzene	ND		1.00	ug/L			05/30/22 14:42	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			05/30/22 14:42	1
1,1-Dichloroethane	ND		1.00	ug/L			05/30/22 14:42	1
1,2-Dichloroethane	ND		1.00	ug/L			05/30/22 14:42	1
1,1-Dichloroethene	ND		1.00	ug/L			05/30/22 14:42	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			05/30/22 14:42	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			05/30/22 14:42	1
1,2-Dichloropropane	ND		1.00	ug/L			05/30/22 14:42	1
1,3-Dichloropropane	ND		1.00	ug/L			05/30/22 14:42	1
2,2-Dichloropropane	ND		1.00	ug/L			05/30/22 14:42	1
1,1-Dichloropropene	ND		1.00	ug/L			05/30/22 14:42	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/30/22 14:42	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/30/22 14:42	1
Ethylbenzene	ND		1.00	ug/L			05/30/22 14:42	1
Hexachlorobutadiene	ND		1.00	ug/L			05/30/22 14:42	1
2-Hexanone (MBK)	ND		2.00	ug/L			05/30/22 14:42	1
Isopropylbenzene	ND		1.00	ug/L			05/30/22 14:42	1
4-Isopropyltoluene	ND		1.00	ug/L			05/30/22 14:42	1
Methyl tert-butyl ether	ND		1.00	ug/L			05/30/22 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			05/30/22 14:42	1
Methylene Chloride	ND		2.00	ug/L			05/30/22 14:42	1
Naphthalene	ND		2.00	ug/L			05/30/22 14:42	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: MW-2S

Lab Sample ID: 620-4608-12

Date Collected: 05/18/22 14:50

Matrix: Water

Date Received: 05/19/22 08:15

Method: 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			05/30/22 14:42	1
Styrene	ND		1.00	ug/L			05/30/22 14:42	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			05/30/22 14:42	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/30/22 14:42	1
Tetrachloroethene	ND		1.00	ug/L			05/30/22 14:42	1
Toluene	ND		1.00	ug/L			05/30/22 14:42	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			05/30/22 14:42	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			05/30/22 14:42	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			05/30/22 14:42	1
1,1,1-Trichloroethane	ND		1.00	ug/L			05/30/22 14:42	1
1,1,2-Trichloroethane	ND		1.00	ug/L			05/30/22 14:42	1
Trichloroethene	ND		1.00	ug/L			05/30/22 14:42	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			05/30/22 14:42	1
1,2,3-Trichloropropane	ND		1.00	ug/L			05/30/22 14:42	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			05/30/22 14:42	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			05/30/22 14:42	1
Vinyl chloride	ND		1.00	ug/L			05/30/22 14:42	1
m-Xylene & p-Xylene	ND		1.00	ug/L			05/30/22 14:42	1
o-Xylene	ND		1.00	ug/L			05/30/22 14:42	1
Tetrahydrofuran	ND		2.00	ug/L			05/30/22 14:42	1
Ethyl ether	ND		1.00	ug/L			05/30/22 14:42	1
Tert-amyl methyl ether	ND		1.00	ug/L			05/30/22 14:42	1
Ethyl tert-butyl ether	ND		1.00	ug/L			05/30/22 14:42	1
di-Isopropyl ether	ND		1.00	ug/L			05/30/22 14:42	1
tert-Butanol	ND		10.0	ug/L			05/30/22 14:42	1
1,4-Dioxane	ND		50.0	ug/L			05/30/22 14:42	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			05/30/22 14:42	1
Ethanol	ND		200	ug/L			05/30/22 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		05/30/22 14:42	1
Toluene-d8 (Surr)	98		70 - 130		05/30/22 14:42	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 130		05/30/22 14:42	1
Dibromofluoromethane (Surr)	94		70 - 130		05/30/22 14:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.47		2.00	mg/L			06/03/22 20:07	5

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.78	ng/L		05/31/22 09:06	06/02/22 00:54	1
NMeFOSAA	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorobutanesulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorobutanoic acid	ND		4.63	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorodecanesulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorodecanoic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorododecanoic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluoroheptanesulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluoroheptanoic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: MW-2S

Lab Sample ID: 620-4608-12

Date Collected: 05/18/22 14:50

Matrix: Water

Date Received: 05/19/22 08:15

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorohexanoic acid	5.50		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorononanesulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorononanoic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorooctanesulfonamide	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorooctanesulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorooctanoic acid	6.04		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluoropentanesulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluoropentanoic acid	3.26		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorotetradecanoic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluorotridecanoic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
Perfluoroundecanoic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1
6:2 Fluorotelomer sulfonic acid	ND		4.63	ng/L		05/31/22 09:06	06/02/22 00:54	1
8:2 Fluorotelomer sulfonic acid	ND		2.78	ng/L		05/31/22 09:06	06/02/22 00:54	1
4:2 Fluorotelomer sulfonic acid	ND		1.85	ng/L		05/31/22 09:06	06/02/22 00:54	1

Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	261	*5+	10 - 200			05/31/22 09:06	06/02/22 00:54	1
M2-6:2 FTS	252	*5+	17 - 200			05/31/22 09:06	06/02/22 00:54	1
M2-8:2 FTS	100		33 - 200			05/31/22 09:06	06/02/22 00:54	1
13C2 PFTeDA	5	*5-	10 - 179			05/31/22 09:06	06/02/22 00:54	1
13C3 HFPO-DA	69		17 - 185			05/31/22 09:06	06/02/22 00:54	1
13C3 PFBS	106		16 - 200			05/31/22 09:06	06/02/22 00:54	1
13C4 PFBA	91		42 - 165			05/31/22 09:06	06/02/22 00:54	1
13C4 PFHpA	117		31 - 182			05/31/22 09:06	06/02/22 00:54	1
13C5 PFPeA	73		38 - 187			05/31/22 09:06	06/02/22 00:54	1
13C8 PFOA	96		48 - 162			05/31/22 09:06	06/02/22 00:54	1
13C8 PFOS	86		51 - 159			05/31/22 09:06	06/02/22 00:54	1
d3-NMeFOSAA	56		31 - 174			05/31/22 09:06	06/02/22 00:54	1
d5-NEtFOSAA	52		29 - 195			05/31/22 09:06	06/02/22 00:54	1
d9-N-EtFOSE-M	0.5	*5-	10 - 177			05/31/22 09:06	06/02/22 00:54	1
13C3 PFHxS	104		28 - 188			05/31/22 09:06	06/02/22 00:54	1
13C5 PFHxA	73		24 - 179			05/31/22 09:06	06/02/22 00:54	1
13C6 PFDA	67		49 - 163			05/31/22 09:06	06/02/22 00:54	1
13C7 PFUnA	30	*5-	34 - 174			05/31/22 09:06	06/02/22 00:54	1
d3-NMePFOSA	0	*5-	10 - 155			05/31/22 09:06	06/02/22 00:54	1
d5-NEtPFOSA	0	*5-	10 - 159			05/31/22 09:06	06/02/22 00:54	1
13C8 FOSA	35		10 - 168			05/31/22 09:06	06/02/22 00:54	1
13C2-PFDoDA	8	*5-	17 - 176			05/31/22 09:06	06/02/22 00:54	1
13C9 PFNA	126		51 - 167			05/31/22 09:06	06/02/22 00:54	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.136		0.00800	mg/L		05/25/22 17:38	05/26/22 12:44	1
Cadmium	ND		0.00500	mg/L		05/25/22 17:38	05/26/22 12:44	1
Chromium	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 12:44	1
Copper	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 12:44	1
Iron	15.4		0.100	mg/L		05/25/22 17:38	05/26/22 12:44	1
Lead	ND		0.0150	mg/L		05/25/22 17:38	05/26/22 12:44	1
Manganese	1.01		0.0100	mg/L		05/25/22 17:38	05/26/22 12:44	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: MW-2S
Date Collected: 05/18/22 14:50
Date Received: 05/19/22 08:15

Lab Sample ID: 620-4608-12
Matrix: Water

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0152		0.0100	mg/L		05/25/22 17:38	05/26/22 12:44	1
Sodium	2.84		1.50	mg/L		05/25/22 17:38	05/26/22 12:44	1
Zinc	ND		0.0500	mg/L		05/25/22 17:38	05/26/22 12:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		05/26/22 12:46	05/27/22 13:13	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/02/22 06:15	1

- 1
- 2
- 3
- 4
- 5
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Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - INF

Lab Sample ID: 620-4608-14

Date Collected: 05/17/22 10:20

Matrix: Drinking Water

Date Received: 05/19/22 08:15

Method: 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			05/27/22 15:35	1
1,1,1-Trichloroethane	ND		0.500	ug/L			05/27/22 15:35	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/27/22 15:35	1
1,1,2-Trichloroethane	ND		0.500	ug/L			05/27/22 15:35	1
1,1-Dichloroethane	ND		0.500	ug/L			05/27/22 15:35	1
1,1-Dichloroethene	ND		0.500	ug/L			05/27/22 15:35	1
1,1-Dichloropropene	ND		0.500	ug/L			05/27/22 15:35	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			05/27/22 15:35	1
1,2,3-Trichloropropane	ND		0.500	ug/L			05/27/22 15:35	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			05/27/22 15:35	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			05/27/22 15:35	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			05/27/22 15:35	1
1,2-Dibromoethane	ND		0.500	ug/L			05/27/22 15:35	1
1,2-Dichlorobenzene	ND		0.500	ug/L			05/27/22 15:35	1
1,2-Dichloroethane	ND		0.500	ug/L			05/27/22 15:35	1
1,2-Dichloropropane	ND		0.500	ug/L			05/27/22 15:35	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			05/27/22 15:35	1
1,3-Dichlorobenzene	ND		0.500	ug/L			05/27/22 15:35	1
1,3-Dichloropropane	ND		0.500	ug/L			05/27/22 15:35	1
1,4-Dichlorobenzene	ND		0.500	ug/L			05/27/22 15:35	1
2,2-Dichloropropane	ND		0.500	ug/L			05/27/22 15:35	1
2-Butanone	ND		5.00	ug/L			05/27/22 15:35	1
2-Chlorotoluene	ND		0.500	ug/L			05/27/22 15:35	1
2-Hexanone	ND		5.00	ug/L			05/27/22 15:35	1
4-Chlorotoluene	ND		0.500	ug/L			05/27/22 15:35	1
4-Methyl-2-pentanone	ND		5.00	ug/L			05/27/22 15:35	1
Acetone	ND		10.0	ug/L			05/27/22 15:35	1
Acrylonitrile	ND		10.0	ug/L			05/27/22 15:35	1
Benzene	ND		0.500	ug/L			05/27/22 15:35	1
Bromobenzene	ND		0.500	ug/L			05/27/22 15:35	1
Bromochloromethane	ND		0.500	ug/L			05/27/22 15:35	1
Bromodichloromethane	ND		0.500	ug/L			05/27/22 15:35	1
Bromoform	ND		0.500	ug/L			05/27/22 15:35	1
Bromomethane	ND		0.500	ug/L			05/27/22 15:35	1
Carbon disulfide	ND		2.00	ug/L			05/27/22 15:35	1
Carbon tetrachloride	ND		0.500	ug/L			05/27/22 15:35	1
Chlorobenzene	ND		0.500	ug/L			05/27/22 15:35	1
Chloroethane	ND		0.500	ug/L			05/27/22 15:35	1
Chloroform	ND		0.500	ug/L			05/27/22 15:35	1
Chloromethane	ND		0.500	ug/L			05/27/22 15:35	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 15:35	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 15:35	1
Dibromochloromethane	ND		0.500	ug/L			05/27/22 15:35	1
Dibromomethane	ND		0.500	ug/L			05/27/22 15:35	1
Dichlorodifluoromethane	ND		0.500	ug/L			05/27/22 15:35	1
di-Isopropyl ether	ND		0.500	ug/L			05/27/22 15:35	1
Ethyl ether	6.95		0.500	ug/L			05/27/22 15:35	1
Ethyl t-butyl ether	ND		0.500	ug/L			05/27/22 15:35	1
Ethylbenzene	ND		0.500	ug/L			05/27/22 15:35	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - INF

Lab Sample ID: 620-4608-14

Date Collected: 05/17/22 10:20

Matrix: Drinking Water

Date Received: 05/19/22 08:15

Method: 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			05/27/22 15:35	1
Hexachlorobutadiene	ND		0.500	ug/L			05/27/22 15:35	1
Isopropylbenzene	ND		0.500	ug/L			05/27/22 15:35	1
m&p-Xylene	ND		1.00	ug/L			05/27/22 15:35	1
Methyl tertiary butyl ether	ND		0.500	ug/L			05/27/22 15:35	1
Methylene Chloride	11.8		0.500	ug/L			05/27/22 15:35	1
Naphthalene	ND		0.500	ug/L			05/27/22 15:35	1
n-Butylbenzene	ND		0.500	ug/L			05/27/22 15:35	1
N-Propylbenzene	ND		0.500	ug/L			05/27/22 15:35	1
o-Xylene	ND		0.500	ug/L			05/27/22 15:35	1
p-Isopropyltoluene	ND		0.500	ug/L			05/27/22 15:35	1
sec-Butylbenzene	ND		0.500	ug/L			05/27/22 15:35	1
Styrene	ND		0.500	ug/L			05/27/22 15:35	1
t-Amyl methyl ether	ND		0.500	ug/L			05/27/22 15:35	1
t-Butyl alcohol	ND		25.0	ug/L			05/27/22 15:35	1
tert-Butylbenzene	ND		0.500	ug/L			05/27/22 15:35	1
Tetrachloroethene	ND		0.500	ug/L			05/27/22 15:35	1
Tetrahydrofuran	16.6		7.00	ug/L			05/27/22 15:35	1
Toluene	ND		0.500	ug/L			05/27/22 15:35	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 15:35	1
Trichloroethene	ND		0.500	ug/L			05/27/22 15:35	1
Trichlorofluoromethane	ND		0.500	ug/L			05/27/22 15:35	1
Vinyl chloride	ND		0.500	ug/L			05/27/22 15:35	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	106		80 - 120		05/27/22 15:35	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/27/22 15:35	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	4.53		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluoroheptanoic acid	2.70		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorooctanoic acid	2.69		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorononanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorodecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorotridecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorotetradecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorobutanesulfonic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorohexanesulfonic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorooctanesulfonic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
NEtFOSAA	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
NMeFOSAA	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluoroundecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1
Perfluorododecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 22:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	87		70 - 130	05/27/22 15:05	06/01/22 22:53	1
13C2 PFHxA	96		70 - 130	05/27/22 15:05	06/01/22 22:53	1
13C3 HFPO-DA	85		70 - 130	05/27/22 15:05	06/01/22 22:53	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - INF

Lab Sample ID: 620-4608-14

Date Collected: 05/17/22 10:20

Matrix: Drinking Water

Date Received: 05/19/22 08:15

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	79		70 - 130	05/27/22 15:05	06/01/22 22:53	1

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - MID

Lab Sample ID: 620-4608-15

Date Collected: 05/17/22 10:18

Matrix: Drinking Water

Date Received: 05/19/22 08:15

Method: 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			05/27/22 15:57	1
1,1,1-Trichloroethane	ND		0.500	ug/L			05/27/22 15:57	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/27/22 15:57	1
1,1,2-Trichloroethane	ND		0.500	ug/L			05/27/22 15:57	1
1,1-Dichloroethane	ND		0.500	ug/L			05/27/22 15:57	1
1,1-Dichloroethene	ND		0.500	ug/L			05/27/22 15:57	1
1,1-Dichloropropene	ND		0.500	ug/L			05/27/22 15:57	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			05/27/22 15:57	1
1,2,3-Trichloropropane	ND		0.500	ug/L			05/27/22 15:57	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			05/27/22 15:57	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			05/27/22 15:57	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			05/27/22 15:57	1
1,2-Dibromoethane	ND		0.500	ug/L			05/27/22 15:57	1
1,2-Dichlorobenzene	ND		0.500	ug/L			05/27/22 15:57	1
1,2-Dichloroethane	ND		0.500	ug/L			05/27/22 15:57	1
1,2-Dichloropropane	ND		0.500	ug/L			05/27/22 15:57	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			05/27/22 15:57	1
1,3-Dichlorobenzene	ND		0.500	ug/L			05/27/22 15:57	1
1,3-Dichloropropane	ND		0.500	ug/L			05/27/22 15:57	1
1,4-Dichlorobenzene	ND		0.500	ug/L			05/27/22 15:57	1
2,2-Dichloropropane	ND		0.500	ug/L			05/27/22 15:57	1
2-Butanone	ND		5.00	ug/L			05/27/22 15:57	1
2-Chlorotoluene	ND		0.500	ug/L			05/27/22 15:57	1
2-Hexanone	ND		5.00	ug/L			05/27/22 15:57	1
4-Chlorotoluene	ND		0.500	ug/L			05/27/22 15:57	1
4-Methyl-2-pentanone	ND		5.00	ug/L			05/27/22 15:57	1
Acetone	ND		10.0	ug/L			05/27/22 15:57	1
Acrylonitrile	ND		10.0	ug/L			05/27/22 15:57	1
Benzene	ND		0.500	ug/L			05/27/22 15:57	1
Bromobenzene	ND		0.500	ug/L			05/27/22 15:57	1
Bromochloromethane	ND		0.500	ug/L			05/27/22 15:57	1
Bromodichloromethane	ND		0.500	ug/L			05/27/22 15:57	1
Bromoform	ND		0.500	ug/L			05/27/22 15:57	1
Bromomethane	ND		0.500	ug/L			05/27/22 15:57	1
Carbon disulfide	ND		2.00	ug/L			05/27/22 15:57	1
Carbon tetrachloride	ND		0.500	ug/L			05/27/22 15:57	1
Chlorobenzene	ND		0.500	ug/L			05/27/22 15:57	1
Chloroethane	ND		0.500	ug/L			05/27/22 15:57	1
Chloroform	ND		0.500	ug/L			05/27/22 15:57	1
Chloromethane	ND		0.500	ug/L			05/27/22 15:57	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 15:57	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 15:57	1
Dibromochloromethane	ND		0.500	ug/L			05/27/22 15:57	1
Dibromomethane	ND		0.500	ug/L			05/27/22 15:57	1
Dichlorodifluoromethane	ND		0.500	ug/L			05/27/22 15:57	1
di-Isopropyl ether	ND		0.500	ug/L			05/27/22 15:57	1
Ethyl ether	ND		0.500	ug/L			05/27/22 15:57	1
Ethyl t-butyl ether	ND		0.500	ug/L			05/27/22 15:57	1
Ethylbenzene	ND		0.500	ug/L			05/27/22 15:57	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - MID

Lab Sample ID: 620-4608-15

Date Collected: 05/17/22 10:18

Matrix: Drinking Water

Date Received: 05/19/22 08:15

Method: 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			05/27/22 15:57	1
Hexachlorobutadiene	ND		0.500	ug/L			05/27/22 15:57	1
Isopropylbenzene	ND		0.500	ug/L			05/27/22 15:57	1
m&p-Xylene	ND		1.00	ug/L			05/27/22 15:57	1
Methyl tertiary butyl ether	ND		0.500	ug/L			05/27/22 15:57	1
Methylene Chloride	4.33		0.500	ug/L			05/27/22 15:57	1
Naphthalene	ND		0.500	ug/L			05/27/22 15:57	1
n-Butylbenzene	ND		0.500	ug/L			05/27/22 15:57	1
N-Propylbenzene	ND		0.500	ug/L			05/27/22 15:57	1
o-Xylene	ND		0.500	ug/L			05/27/22 15:57	1
p-Isopropyltoluene	ND		0.500	ug/L			05/27/22 15:57	1
sec-Butylbenzene	ND		0.500	ug/L			05/27/22 15:57	1
Styrene	ND		0.500	ug/L			05/27/22 15:57	1
t-Amyl methyl ether	ND		0.500	ug/L			05/27/22 15:57	1
t-Butyl alcohol	ND		25.0	ug/L			05/27/22 15:57	1
tert-Butylbenzene	ND		0.500	ug/L			05/27/22 15:57	1
Tetrachloroethene	ND		0.500	ug/L			05/27/22 15:57	1
Tetrahydrofuran	ND		7.00	ug/L			05/27/22 15:57	1
Toluene	ND		0.500	ug/L			05/27/22 15:57	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 15:57	1
Trichloroethene	ND		0.500	ug/L			05/27/22 15:57	1
Trichlorofluoromethane	ND		0.500	ug/L			05/27/22 15:57	1
Vinyl chloride	ND		0.500	ug/L			05/27/22 15:57	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	105		80 - 120		05/27/22 15:57	1
4-Bromofluorobenzene (Surr)	91		80 - 120		05/27/22 15:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluoroheptanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorooctanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorononanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorodecanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorotridecanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorotetradecanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorobutanesulfonic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorohexanesulfonic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorooctanesulfonic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
NEtFOSAA	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
NMeFOSAA	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluoroundecanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1
Perfluorododecanoic acid	ND		1.78	ng/L		05/27/22 15:05	06/01/22 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130	05/27/22 15:05	06/01/22 23:05	1
13C2 PFHxA	97		70 - 130	05/27/22 15:05	06/01/22 23:05	1
13C3 HFPO-DA	99		70 - 130	05/27/22 15:05	06/01/22 23:05	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - MID

Lab Sample ID: 620-4608-15

Date Collected: 05/17/22 10:18

Matrix: Drinking Water

Date Received: 05/19/22 08:15

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	90		70 - 130	05/27/22 15:05	06/01/22 23:05	1

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - EFF

Lab Sample ID: 620-4608-16

Date Collected: 05/17/22 10:18

Matrix: Drinking Water

Date Received: 05/19/22 08:15

Method: 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			05/27/22 16:20	1
1,1,1-Trichloroethane	ND		0.500	ug/L			05/27/22 16:20	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/27/22 16:20	1
1,1,2-Trichloroethane	ND		0.500	ug/L			05/27/22 16:20	1
1,1-Dichloroethane	ND		0.500	ug/L			05/27/22 16:20	1
1,1-Dichloroethene	ND		0.500	ug/L			05/27/22 16:20	1
1,1-Dichloropropene	ND		0.500	ug/L			05/27/22 16:20	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			05/27/22 16:20	1
1,2,3-Trichloropropane	ND		0.500	ug/L			05/27/22 16:20	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			05/27/22 16:20	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			05/27/22 16:20	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			05/27/22 16:20	1
1,2-Dibromoethane	ND		0.500	ug/L			05/27/22 16:20	1
1,2-Dichlorobenzene	ND		0.500	ug/L			05/27/22 16:20	1
1,2-Dichloroethane	ND		0.500	ug/L			05/27/22 16:20	1
1,2-Dichloropropane	ND		0.500	ug/L			05/27/22 16:20	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			05/27/22 16:20	1
1,3-Dichlorobenzene	ND		0.500	ug/L			05/27/22 16:20	1
1,3-Dichloropropane	ND		0.500	ug/L			05/27/22 16:20	1
1,4-Dichlorobenzene	ND		0.500	ug/L			05/27/22 16:20	1
2,2-Dichloropropane	ND		0.500	ug/L			05/27/22 16:20	1
2-Butanone	ND		5.00	ug/L			05/27/22 16:20	1
2-Chlorotoluene	ND		0.500	ug/L			05/27/22 16:20	1
2-Hexanone	ND		5.00	ug/L			05/27/22 16:20	1
4-Chlorotoluene	ND		0.500	ug/L			05/27/22 16:20	1
4-Methyl-2-pentanone	ND		5.00	ug/L			05/27/22 16:20	1
Acetone	ND		10.0	ug/L			05/27/22 16:20	1
Acrylonitrile	ND		10.0	ug/L			05/27/22 16:20	1
Benzene	ND		0.500	ug/L			05/27/22 16:20	1
Bromobenzene	ND		0.500	ug/L			05/27/22 16:20	1
Bromochloromethane	ND		0.500	ug/L			05/27/22 16:20	1
Bromodichloromethane	ND		0.500	ug/L			05/27/22 16:20	1
Bromoform	ND		0.500	ug/L			05/27/22 16:20	1
Bromomethane	ND		0.500	ug/L			05/27/22 16:20	1
Carbon disulfide	ND		2.00	ug/L			05/27/22 16:20	1
Carbon tetrachloride	ND		0.500	ug/L			05/27/22 16:20	1
Chlorobenzene	ND		0.500	ug/L			05/27/22 16:20	1
Chloroethane	ND		0.500	ug/L			05/27/22 16:20	1
Chloroform	ND		0.500	ug/L			05/27/22 16:20	1
Chloromethane	ND		0.500	ug/L			05/27/22 16:20	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 16:20	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 16:20	1
Dibromochloromethane	ND		0.500	ug/L			05/27/22 16:20	1
Dibromomethane	ND		0.500	ug/L			05/27/22 16:20	1
Dichlorodifluoromethane	ND		0.500	ug/L			05/27/22 16:20	1
di-Isopropyl ether	ND		0.500	ug/L			05/27/22 16:20	1
Ethyl ether	ND		0.500	ug/L			05/27/22 16:20	1
Ethyl t-butyl ether	ND		0.500	ug/L			05/27/22 16:20	1
Ethylbenzene	ND		0.500	ug/L			05/27/22 16:20	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - EFF

Lab Sample ID: 620-4608-16

Date Collected: 05/17/22 10:18

Matrix: Drinking Water

Date Received: 05/19/22 08:15

Method: 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			05/27/22 16:20	1
Hexachlorobutadiene	ND		0.500	ug/L			05/27/22 16:20	1
Isopropylbenzene	ND		0.500	ug/L			05/27/22 16:20	1
m&p-Xylene	ND		1.00	ug/L			05/27/22 16:20	1
Methyl tertiary butyl ether	ND		0.500	ug/L			05/27/22 16:20	1
Methylene Chloride	ND		0.500	ug/L			05/27/22 16:20	1
Naphthalene	ND		0.500	ug/L			05/27/22 16:20	1
n-Butylbenzene	ND		0.500	ug/L			05/27/22 16:20	1
N-Propylbenzene	ND		0.500	ug/L			05/27/22 16:20	1
o-Xylene	ND		0.500	ug/L			05/27/22 16:20	1
p-Isopropyltoluene	ND		0.500	ug/L			05/27/22 16:20	1
sec-Butylbenzene	ND		0.500	ug/L			05/27/22 16:20	1
Styrene	ND		0.500	ug/L			05/27/22 16:20	1
t-Amyl methyl ether	ND		0.500	ug/L			05/27/22 16:20	1
t-Butyl alcohol	ND		25.0	ug/L			05/27/22 16:20	1
tert-Butylbenzene	ND		0.500	ug/L			05/27/22 16:20	1
Tetrachloroethene	ND		0.500	ug/L			05/27/22 16:20	1
Tetrahydrofuran	ND		7.00	ug/L			05/27/22 16:20	1
Toluene	ND		0.500	ug/L			05/27/22 16:20	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 16:20	1
Trichloroethene	ND		0.500	ug/L			05/27/22 16:20	1
Trichlorofluoromethane	ND		0.500	ug/L			05/27/22 16:20	1
Vinyl chloride	ND		0.500	ug/L			05/27/22 16:20	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	104		80 - 120		05/27/22 16:20	1
4-Bromofluorobenzene (Surr)	90		80 - 120		05/27/22 16:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluoroheptanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorooctanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorononanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorodecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorotridecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorotetradecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorobutanesulfonic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorohexanesulfonic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorooctanesulfonic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
NEtFOSAA	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
NMeFOSAA	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluoroundecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1
Perfluorododecanoic acid	ND		1.88	ng/L		05/27/22 15:05	06/01/22 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130	05/27/22 15:05	06/01/22 23:16	1
13C2 PFHxA	102		70 - 130	05/27/22 15:05	06/01/22 23:16	1
13C3 HFPO-DA	94		70 - 130	05/27/22 15:05	06/01/22 23:16	1

Eurofins New England

Client Sample Results

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - EFF

Lab Sample ID: 620-4608-16

Date Collected: 05/17/22 10:18

Matrix: Drinking Water

Date Received: 05/19/22 08:15

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	104		70 - 130	05/27/22 15:05	06/01/22 23:16	1

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Surrogate Summary

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

Job ID: 620-4608-1

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCZ (80-120)	BFB (80-120)
620-4608-14	152 Forest Edge Rd - INF	106	91
620-4608-15	152 Forest Edge Rd - MID	105	91
620-4608-16	152 Forest Edge Rd - EFF	104	90
LCS 410-259754/4	Lab Control Sample	103	103
MB 410-259754/6	Method Blank	99	89

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-130)	TOL (70-130)	DCA (70-130)	DBFM (70-130)
620-4608-2	MW-3S	99	102	103	101
620-4608-12	MW-2S	94	98	92	94
LCS 620-11144/4	Lab Control Sample	104	105	102	104
LCS 620-11302/4	Lab Control Sample	96	99	94	96
LCSD 620-11144/5	Lab Control Sample Dup	101	105	105	104
LCSD 620-11302/5	Lab Control Sample Dup	96	99	93	96
MB 620-11144/7	Method Blank	99	129	103	102
MB 620-11302/7	Method Blank	96	98	98	97

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		PFDA (70-130)	PFHxA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)
620-4608-14	152 Forest Edge Rd - INF	87	96	85	79
620-4608-15	152 Forest Edge Rd - MID	98	97	99	90
620-4608-16	152 Forest Edge Rd - EFF	98	102	94	104
LCS 410-259867/2-A	Lab Control Sample	96	93	82	94
LCSD 410-259867/3-A	Lab Control Sample Dup	92	93	88	92
MB 410-259867/1-A	Method Blank	87	88	85	86

Surrogate Legend

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

Isotope Dilution Summary

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

Job ID: 620-4608-1

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 (10-200)	M262FTS (17-200)	M282FTS (33-200)	PFTDA (10-179)	HFPODA (17-185)	C3PFBS (16-200)	PFBA (42-165)	C4PFHA (31-182)
620-4608-2	MW-3S	266 *5+	160	104	53	59	128	79	73
620-4608-12	MW-2S	261 *5+	252 *5+	100	5 *5-	69	106	91	117
LCS 410-260317/2-A	Lab Control Sample	108	96	103	98	88	101	101	97
LCS 410-263523/2-A	Lab Control Sample	164	150	133	124	129	134	132	128
LCSD 410-263523/3-A	Lab Control Sample Dup	155	135	138	99	118	128	121	117
MB 410-260317/1-A	Method Blank	94	91	88	81	61	90	66	75
MB 410-263523/1-A	Method Blank	124	109	99	79	93	102	96	102

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFPeA (38-187)	C8PFOA (48-162)	C8PFOS (51-159)	d3NMFOS (31-174)	d5NEFOS (29-195)	NEFM (10-177)	C3PFHS (28-188)	13C5PHA (24-179)
620-4608-2	MW-3S	106	73	78	71	75	42	80	69
620-4608-12	MW-2S	73	96	86	56	52	0.5 *5-	104	73
LCS 410-260317/2-A	Lab Control Sample	107	96	97	132	152	105	95	91
LCS 410-263523/2-A	Lab Control Sample	134	126	128	147	149	108	127	122
LCSD 410-263523/3-A	Lab Control Sample Dup	116	112	120	140	132	76	119	113
MB 410-260317/1-A	Method Blank	66	83	89	110	112	70	85	65
MB 410-263523/1-A	Method Blank	95	91	96	105	109	73	99	95

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C6PFDA (49-163)	13C7PUA (34-174)	d3NMFSA (10-155)	d5NPFSA (10-159)	PFOSA (10-168)	PFDODA (17-176)	C9PFNA (51-167)
620-4608-2	MW-3S	70	63	23	24	48	59	88
620-4608-12	MW-2S	67	30 *5-	0 *5-	0 *5-	35	8 *5-	126
LCS 410-260317/2-A	Lab Control Sample	106	115	79	81	98	111	105
LCS 410-263523/2-A	Lab Control Sample	128	132	67	72	117	128	130
LCSD 410-263523/3-A	Lab Control Sample Dup	121	121	48	47	100	114	122
MB 410-260317/1-A	Method Blank	87	85	59	57	76	88	92
MB 410-263523/1-A	Method Blank	95	99	50	50	77	94	93

Surrogate Legend

- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- PFTDA = 13C2 PFTeDA
- HFPODA = 13C3 HFPO-DA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFPeA = 13C5 PFPeA
- C8PFOA = 13C8 PFOA
- C8PFOS = 13C8 PFOS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- NEFM = d9-N-EtFOSE-M
- C3PFHS = 13C3 PFHxS
- 13C5PHA = 13C5 PFHxA
- C6PFDA = 13C6 PFDA
- 13C7PUA = 13C7 PFUnA
- d3NMFSA = d3-NMePFOSA
- d5NPFSA = d5-NEtPFOSA

Isotope Dilution Summary

Client: Stone Environmental

Project/Site: Town of Hinesburg Landfill - Hinesburg,

PFOSA = 13C8 FOSA

PFDODA = 13C2-PFDODA

C9PFNA = 13C9 PFNA

Job ID: 620-4608-1

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 410-259754/6
Matrix: Drinking Water
Analysis Batch: 259754

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			05/27/22 13:40	1
1,1,1-Trichloroethane	ND		0.500	ug/L			05/27/22 13:40	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/27/22 13:40	1
1,1,2-Trichloroethane	ND		0.500	ug/L			05/27/22 13:40	1
1,1-Dichloroethane	ND		0.500	ug/L			05/27/22 13:40	1
1,1-Dichloroethene	ND		0.500	ug/L			05/27/22 13:40	1
1,1-Dichloropropene	ND		0.500	ug/L			05/27/22 13:40	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			05/27/22 13:40	1
1,2,3-Trichloropropane	ND		0.500	ug/L			05/27/22 13:40	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			05/27/22 13:40	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			05/27/22 13:40	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			05/27/22 13:40	1
1,2-Dibromoethane	ND		0.500	ug/L			05/27/22 13:40	1
1,2-Dichlorobenzene	ND		0.500	ug/L			05/27/22 13:40	1
1,2-Dichloroethane	ND		0.500	ug/L			05/27/22 13:40	1
1,2-Dichloropropane	ND		0.500	ug/L			05/27/22 13:40	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			05/27/22 13:40	1
1,3-Dichlorobenzene	ND		0.500	ug/L			05/27/22 13:40	1
1,3-Dichloropropane	ND		0.500	ug/L			05/27/22 13:40	1
1,4-Dichlorobenzene	ND		0.500	ug/L			05/27/22 13:40	1
2,2-Dichloropropane	ND		0.500	ug/L			05/27/22 13:40	1
2-Butanone	ND		5.00	ug/L			05/27/22 13:40	1
2-Chlorotoluene	ND		0.500	ug/L			05/27/22 13:40	1
2-Hexanone	ND		5.00	ug/L			05/27/22 13:40	1
4-Chlorotoluene	ND		0.500	ug/L			05/27/22 13:40	1
4-Methyl-2-pentanone	ND		5.00	ug/L			05/27/22 13:40	1
Acetone	ND		10.0	ug/L			05/27/22 13:40	1
Acrylonitrile	ND		10.0	ug/L			05/27/22 13:40	1
Benzene	ND		0.500	ug/L			05/27/22 13:40	1
Bromobenzene	ND		0.500	ug/L			05/27/22 13:40	1
Bromochloromethane	ND		0.500	ug/L			05/27/22 13:40	1
Bromodichloromethane	ND		0.500	ug/L			05/27/22 13:40	1
Bromoform	ND		0.500	ug/L			05/27/22 13:40	1
Bromomethane	ND		0.500	ug/L			05/27/22 13:40	1
Carbon disulfide	ND		2.00	ug/L			05/27/22 13:40	1
Carbon tetrachloride	ND		0.500	ug/L			05/27/22 13:40	1
Chlorobenzene	ND		0.500	ug/L			05/27/22 13:40	1
Chloroethane	ND		0.500	ug/L			05/27/22 13:40	1
Chloroform	ND		0.500	ug/L			05/27/22 13:40	1
Chloromethane	ND		0.500	ug/L			05/27/22 13:40	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 13:40	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 13:40	1
Dibromochloromethane	ND		0.500	ug/L			05/27/22 13:40	1
Dibromomethane	ND		0.500	ug/L			05/27/22 13:40	1
Dichlorodifluoromethane	ND		0.500	ug/L			05/27/22 13:40	1
di-Isopropyl ether	ND		0.500	ug/L			05/27/22 13:40	1
Ethyl ether	ND		0.500	ug/L			05/27/22 13:40	1
Ethyl t-butyl ether	ND		0.500	ug/L			05/27/22 13:40	1

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 410-259754/6
Matrix: Drinking Water
Analysis Batch: 259754

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			05/27/22 13:40	1
Freon 113	ND		0.500	ug/L			05/27/22 13:40	1
Hexachlorobutadiene	ND		0.500	ug/L			05/27/22 13:40	1
Isopropylbenzene	ND		0.500	ug/L			05/27/22 13:40	1
m&p-Xylene	ND		1.00	ug/L			05/27/22 13:40	1
Methyl tertiary butyl ether	ND		0.500	ug/L			05/27/22 13:40	1
Methylene Chloride	ND		0.500	ug/L			05/27/22 13:40	1
Naphthalene	ND		0.500	ug/L			05/27/22 13:40	1
n-Butylbenzene	ND		0.500	ug/L			05/27/22 13:40	1
N-Propylbenzene	ND		0.500	ug/L			05/27/22 13:40	1
o-Xylene	ND		0.500	ug/L			05/27/22 13:40	1
p-Isopropyltoluene	ND		0.500	ug/L			05/27/22 13:40	1
sec-Butylbenzene	ND		0.500	ug/L			05/27/22 13:40	1
Styrene	ND		0.500	ug/L			05/27/22 13:40	1
t-Amyl methyl ether	ND		0.500	ug/L			05/27/22 13:40	1
t-Butyl alcohol	ND		25.0	ug/L			05/27/22 13:40	1
tert-Butylbenzene	ND		0.500	ug/L			05/27/22 13:40	1
Tetrachloroethene	ND		0.500	ug/L			05/27/22 13:40	1
Tetrahydrofuran	ND		7.00	ug/L			05/27/22 13:40	1
Toluene	ND		0.500	ug/L			05/27/22 13:40	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			05/27/22 13:40	1
Trichloroethene	ND		0.500	ug/L			05/27/22 13:40	1
Trichlorofluoromethane	ND		0.500	ug/L			05/27/22 13:40	1
Vinyl chloride	ND		0.500	ug/L			05/27/22 13:40	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/27/22 13:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	99		80 - 120		05/27/22 13:40	1
4-Bromofluorobenzene (Surr)	89		80 - 120		05/27/22 13:40	1

Lab Sample ID: LCS 410-259754/4
Matrix: Drinking Water
Analysis Batch: 259754

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	5.292		ug/L		106	70 - 130
1,1,1-Trichloroethane	5.00	4.836		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.987		ug/L		100	70 - 130
1,1,2-Trichloroethane	5.00	5.136		ug/L		103	70 - 130
1,1-Dichloroethane	5.00	5.104		ug/L		102	70 - 130
1,1-Dichloroethene	5.00	5.426		ug/L		109	70 - 130
1,1-Dichloropropene	5.00	4.746		ug/L		95	70 - 130
1,2,3-Trichlorobenzene	5.00	3.895		ug/L		78	70 - 130
1,2,3-Trichloropropane	5.00	5.429		ug/L		109	70 - 130
1,2,4-Trichlorobenzene	5.00	4.261		ug/L		85	70 - 130
1,2,4-Trimethylbenzene	5.00	4.951		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.813		ug/L		96	70 - 130
1,2-Dibromoethane	5.00	5.260		ug/L		105	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 410-259754/4
Matrix: Drinking Water
Analysis Batch: 259754

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	5.156		ug/L		103	70 - 130
1,2-Dichloroethane	5.00	5.254		ug/L		105	70 - 130
1,2-Dichloropropane	5.00	4.964		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	5.00	4.884		ug/L		98	70 - 130
1,3-Dichlorobenzene	5.00	5.128		ug/L		103	70 - 130
1,3-Dichloropropane	5.00	5.001		ug/L		100	70 - 130
1,4-Dichlorobenzene	5.00	5.246		ug/L		105	70 - 130
2,2-Dichloropropane	5.00	5.242		ug/L		105	70 - 130
2-Butanone	62.5	63.90		ug/L		102	70 - 130
2-Chlorotoluene	5.00	5.064		ug/L		101	70 - 130
2-Hexanone	62.5	58.11		ug/L		93	70 - 130
4-Chlorotoluene	5.00	5.196		ug/L		104	70 - 130
4-Methyl-2-pentanone	62.5	59.91		ug/L		96	70 - 130
Acetone	62.5	59.62		ug/L		95	70 - 130
Acrylonitrile	113	113.6		ug/L		101	70 - 130
Benzene	5.00	4.840		ug/L		97	70 - 130
Bromobenzene	5.00	5.469		ug/L		109	70 - 130
Bromochloromethane	5.00	5.560		ug/L		111	70 - 130
Bromodichloromethane	5.00	5.250		ug/L		105	70 - 130
Bromoform	5.00	5.701		ug/L		114	70 - 130
Bromomethane	2.00	2.147		ug/L		107	70 - 130
Carbon disulfide	5.00	5.725		ug/L		114	70 - 130
Carbon tetrachloride	5.00	5.106		ug/L		102	70 - 130
Chlorobenzene	5.00	5.210		ug/L		104	70 - 130
Chloroethane	2.00	2.054		ug/L		103	70 - 130
Chloroform	5.00	4.880		ug/L		98	70 - 130
Chloromethane	2.00	2.021		ug/L		101	70 - 130
cis-1,2-Dichloroethene	5.00	5.519		ug/L		110	70 - 130
cis-1,3-Dichloropropene	5.00	4.934		ug/L		99	70 - 130
Dibromochloromethane	5.00	5.546		ug/L		111	70 - 130
Dibromomethane	5.00	5.442		ug/L		109	70 - 130
Dichlorodifluoromethane	2.00	2.147		ug/L		107	70 - 130
di-Isopropyl ether	5.00	5.319		ug/L		106	70 - 130
Ethyl ether	5.00	5.130		ug/L		103	70 - 130
Ethyl t-butyl ether	5.00	4.952		ug/L		99	70 - 130
Ethylbenzene	5.00	4.927		ug/L		99	70 - 130
Freon 113	5.00	5.985		ug/L		120	70 - 130
Hexachlorobutadiene	5.00	5.410		ug/L		108	70 - 130
Isopropylbenzene	5.00	4.852		ug/L		97	70 - 130
m&p-Xylene	10.0	10.09		ug/L		101	70 - 130
Methyl tertiary butyl ether	5.00	5.210		ug/L		104	70 - 130
Methylene Chloride	5.00	6.210		ug/L		124	70 - 130
Naphthalene	5.00	3.501		ug/L		70	70 - 130
n-Butylbenzene	5.00	4.731		ug/L		95	70 - 130
N-Propylbenzene	5.00	4.926		ug/L		99	70 - 130
o-Xylene	5.00	4.800		ug/L		96	70 - 130
p-Isopropyltoluene	5.00	4.977		ug/L		100	70 - 130
sec-Butylbenzene	5.00	5.024		ug/L		100	70 - 130
Styrene	5.00	5.146		ug/L		103	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 410-259754/4
Matrix: Drinking Water
Analysis Batch: 259754

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	4.328		ug/L		87	70 - 130
t-Butyl alcohol	50.0	46.36		ug/L		93	70 - 130
tert-Butylbenzene	5.00	4.714		ug/L		94	70 - 130
Tetrachloroethene	5.00	5.158		ug/L		103	70 - 130
Tetrahydrofuran	46.9	41.97		ug/L		90	70 - 130
Toluene	5.00	4.836		ug/L		97	70 - 130
trans-1,2-Dichloroethene	5.00	5.304		ug/L		106	70 - 130
Trichloroethene	5.00	4.858		ug/L		97	70 - 130
Trichlorofluoromethane	2.00	2.386		ug/L		119	70 - 130
Vinyl chloride	2.00	2.058		ug/L		103	70 - 130
trans-1,3-Dichloropropene	5.00	4.923		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichlorobenzene-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120

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

Lab Sample ID: MB 620-11144/7
Matrix: Water
Analysis Batch: 11144

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			05/25/22 11:53	1
Acetone	ND		10.0	ug/L			05/25/22 11:53	1
Acrylonitrile	ND		0.500	ug/L			05/25/22 11:53	1
Benzene	ND		1.00	ug/L			05/25/22 11:53	1
Bromobenzene	ND		1.00	ug/L			05/25/22 11:53	1
Bromochloromethane	ND		1.00	ug/L			05/25/22 11:53	1
Bromodichloromethane	ND		0.500	ug/L			05/25/22 11:53	1
Bromoform	ND		1.00	ug/L			05/25/22 11:53	1
Bromomethane	ND		2.00	ug/L			05/25/22 11:53	1
2-Butanone (MEK)	ND		2.00	ug/L			05/25/22 11:53	1
n-Butylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
sec-Butylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
tert-Butylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
Carbon disulfide	ND		2.00	ug/L			05/25/22 11:53	1
Carbon tetrachloride	ND		1.00	ug/L			05/25/22 11:53	1
Chlorobenzene	ND		1.00	ug/L			05/25/22 11:53	1
Chloroethane	ND		2.00	ug/L			05/25/22 11:53	1
Chloroform	ND		1.00	ug/L			05/25/22 11:53	1
Chloromethane	ND		2.00	ug/L			05/25/22 11:53	1
2-Chlorotoluene	ND		1.00	ug/L			05/25/22 11:53	1
4-Chlorotoluene	ND		1.00	ug/L			05/25/22 11:53	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			05/25/22 11:53	1
Dibromochloromethane	ND		0.500	ug/L			05/25/22 11:53	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			05/25/22 11:53	1
Dibromomethane	ND		1.00	ug/L			05/25/22 11:53	1

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 620-11144/7
Matrix: Water
Analysis Batch: 11144

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.00	ug/L			05/25/22 11:53	1
1,3-Dichlorobenzene	ND		1.00	ug/L			05/25/22 11:53	1
1,4-Dichlorobenzene	ND		1.00	ug/L			05/25/22 11:53	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			05/25/22 11:53	1
1,1-Dichloroethane	ND		1.00	ug/L			05/25/22 11:53	1
1,2-Dichloroethane	ND		1.00	ug/L			05/25/22 11:53	1
1,1-Dichloroethene	ND		1.00	ug/L			05/25/22 11:53	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			05/25/22 11:53	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			05/25/22 11:53	1
1,2-Dichloropropane	ND		1.00	ug/L			05/25/22 11:53	1
1,3-Dichloropropane	ND		1.00	ug/L			05/25/22 11:53	1
2,2-Dichloropropane	ND		1.00	ug/L			05/25/22 11:53	1
1,1-Dichloropropene	ND		1.00	ug/L			05/25/22 11:53	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/25/22 11:53	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/25/22 11:53	1
Ethylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
Hexachlorobutadiene	ND		1.00	ug/L			05/25/22 11:53	1
2-Hexanone (MBK)	ND		2.00	ug/L			05/25/22 11:53	1
Isopropylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
4-Isopropyltoluene	ND		1.00	ug/L			05/25/22 11:53	1
Methyl tert-butyl ether	ND		1.00	ug/L			05/25/22 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			05/25/22 11:53	1
Methylene Chloride	ND		2.00	ug/L			05/25/22 11:53	1
Naphthalene	ND		2.00	ug/L			05/25/22 11:53	1
N-Propylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
Styrene	ND		1.00	ug/L			05/25/22 11:53	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			05/25/22 11:53	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/25/22 11:53	1
Tetrachloroethene	ND		1.00	ug/L			05/25/22 11:53	1
Toluene	ND		1.00	ug/L			05/25/22 11:53	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			05/25/22 11:53	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			05/25/22 11:53	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			05/25/22 11:53	1
1,1,1-Trichloroethane	ND		1.00	ug/L			05/25/22 11:53	1
1,1,2-Trichloroethane	ND		1.00	ug/L			05/25/22 11:53	1
Trichloroethene	ND		1.00	ug/L			05/25/22 11:53	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			05/25/22 11:53	1
1,2,3-Trichloropropane	ND		1.00	ug/L			05/25/22 11:53	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			05/25/22 11:53	1
Vinyl chloride	ND		1.00	ug/L			05/25/22 11:53	1
m-Xylene & p-Xylene	ND		1.00	ug/L			05/25/22 11:53	1
o-Xylene	ND		1.00	ug/L			05/25/22 11:53	1
Tetrahydrofuran	ND		2.00	ug/L			05/25/22 11:53	1
Ethyl ether	ND		1.00	ug/L			05/25/22 11:53	1
Tert-amyl methyl ether	ND		1.00	ug/L			05/25/22 11:53	1
Ethyl tert-butyl ether	ND		1.00	ug/L			05/25/22 11:53	1
di-Isopropyl ether	ND		1.00	ug/L			05/25/22 11:53	1
tert-Butanol	ND		10.0	ug/L			05/25/22 11:53	1

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 620-11144/7
Matrix: Water
Analysis Batch: 11144

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		50.0	ug/L			05/25/22 11:53	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			05/25/22 11:53	1
Ethanol	ND		200	ug/L			05/25/22 11:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/25/22 11:53	1
Toluene-d8 (Surr)	129		70 - 130				05/25/22 11:53	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130				05/25/22 11:53	1
Dibromofluoromethane (Surr)	102		70 - 130				05/25/22 11:53	1

Lab Sample ID: LCS 620-11144/4
Matrix: Water
Analysis Batch: 11144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	25.00	*+	ug/L		125	85 - 124
Acetone	20.0	11.80		ug/L		59	14 - 133
Acrylonitrile	20.0	21.20		ug/L		106	62 - 134
Benzene	20.0	21.71		ug/L		109	86 - 111
Bromobenzene	20.0	21.45		ug/L		107	82 - 120
Bromochloromethane	20.0	24.21		ug/L		121	83 - 123
Bromodichloromethane	20.0	24.94		ug/L		125	83 - 137
Bromoform	20.0	22.42		ug/L		112	91 - 137
Bromomethane	20.0	16.02		ug/L		80	29 - 148
2-Butanone (MEK)	20.0	11.90		ug/L		60	10 - 200
n-Butylbenzene	20.0	24.74		ug/L		124	85 - 138
sec-Butylbenzene	20.0	21.42		ug/L		107	75 - 118
tert-Butylbenzene	20.0	25.41	*+	ug/L		127	85 - 122
Carbon disulfide	20.0	26.26		ug/L		131	69 - 150
Carbon tetrachloride	20.0	23.84		ug/L		119	84 - 123
Chlorobenzene	20.0	22.63		ug/L		113	93 - 115
Chloroethane	20.0	19.25		ug/L		96	56 - 155
Chloroform	20.0	22.60		ug/L		113	84 - 116
Chloromethane	20.0	21.07		ug/L		105	45 - 138
2-Chlorotoluene	20.0	23.13		ug/L		116	88 - 116
4-Chlorotoluene	20.0	23.08		ug/L		115	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	19.66		ug/L		98	70 - 139
Dibromochloromethane	20.0	24.27		ug/L		121	83 - 132
1,2-Dibromoethane (EDB)	20.0	23.93		ug/L		120	82 - 125
Dibromomethane	20.0	23.48		ug/L		117	80 - 125
1,2-Dichlorobenzene	20.0	22.31		ug/L		112	84 - 128
1,3-Dichlorobenzene	20.0	22.67		ug/L		113	85 - 120
1,4-Dichlorobenzene	20.0	21.88		ug/L		109	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	19.39		ug/L		97	36 - 131
1,1-Dichloroethane	20.0	22.57		ug/L		113	81 - 120
1,2-Dichloroethane	20.0	22.13		ug/L		111	82 - 116
1,1-Dichloroethene	20.0	23.01		ug/L		115	83 - 120

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 620-11144/4
Matrix: Water
Analysis Batch: 11144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	20.0	24.75		ug/L		124	81 - 124
trans-1,2-Dichloroethene	20.0	24.55		ug/L		123	81 - 127
1,2-Dichloropropane	20.0	23.50		ug/L		118	76 - 132
1,3-Dichloropropane	20.0	21.82		ug/L		109	74 - 122
2,2-Dichloropropane	20.0	23.57		ug/L		118	77 - 130
1,1-Dichloropropene	20.0	22.73		ug/L		114	81 - 115
cis-1,3-Dichloropropene	20.0	22.89		ug/L		114	74 - 129
trans-1,3-Dichloropropene	20.0	23.64		ug/L		118	78 - 126
Ethylbenzene	20.0	22.30		ug/L		112	89 - 117
Hexachlorobutadiene	20.0	27.01	*+	ug/L		135	77 - 118
2-Hexanone (MBK)	20.0	14.39		ug/L		72	37 - 123
Isopropylbenzene	20.0	22.05		ug/L		110	83 - 117
4-Isopropyltoluene	20.0	22.85		ug/L		114	83 - 124
Methyl tert-butyl ether	20.0	22.30		ug/L		111	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	20.66		ug/L		103	59 - 118
Methylene Chloride	20.0	20.20		ug/L		101	75 - 121
Naphthalene	20.0	22.07		ug/L		110	67 - 123
N-Propylbenzene	20.0	23.79		ug/L		119	84 - 128
Styrene	20.0	22.67		ug/L		113	78 - 127
1,1,1,2-Tetrachloroethane	20.0	21.59		ug/L		108	91 - 118
1,1,2,2-Tetrachloroethane	20.0	20.32		ug/L		102	77 - 129
Tetrachloroethene	20.0	24.12	*+	ug/L		121	85 - 116
Toluene	20.0	22.47	*+	ug/L		112	88 - 109
1,2,3-Trichlorobenzene	20.0	25.10		ug/L		126	67 - 134
1,2,4-Trichlorobenzene	20.0	28.50	*+	ug/L		143	78 - 133
1,3,5-Trichlorobenzene	20.0	28.12	*+	ug/L		141	77 - 127
1,1,1-Trichloroethane	20.0	23.15		ug/L		116	83 - 124
1,1,2-Trichloroethane	20.0	23.78		ug/L		119	84 - 132
Trichloroethene	20.0	21.91		ug/L		110	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	24.43		ug/L		122	82 - 126
1,2,3-Trichloropropane	20.0	20.47		ug/L		102	77 - 124
1,2,4-Trimethylbenzene	20.0	23.78		ug/L		119	89 - 126
1,3,5-Trimethylbenzene	20.0	23.98		ug/L		120	89 - 125
Vinyl chloride	20.0	21.48		ug/L		107	62 - 130
m-Xylene & p-Xylene	40.0	47.42		ug/L		119	85 - 123
o-Xylene	20.0	22.62		ug/L		113	85 - 119
Tetrahydrofuran	20.0	21.80		ug/L		109	60 - 133
Ethyl ether	20.0	20.22		ug/L		101	69 - 122
Tert-amyl methyl ether	20.0	21.65		ug/L		108	50 - 140
Ethyl tert-butyl ether	20.0	21.97		ug/L		110	60 - 131
di-Isopropyl ether	20.0	21.77		ug/L		109	67 - 125
tert-Butanol	200	197.2		ug/L		99	50 - 169
1,4-Dioxane	200	148.7		ug/L		74	28 - 150
trans-1,4-Dichloro-2-butene	20.0	22.00		ug/L		110	48 - 153
Ethanol	400	378.6		ug/L		95	47 - 170

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 620-11144/4
Matrix: Water
Analysis Batch: 11144

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
Toluene-d8 (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130

Lab Sample ID: LCSD 620-11144/5
Matrix: Water
Analysis Batch: 11144

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	21.52		ug/L		108	85 - 124	15	20
Acetone	20.0	10.23		ug/L		51	14 - 133	14	20
Acrylonitrile	20.0	21.53		ug/L		108	62 - 134	2	20
Benzene	20.0	21.71		ug/L		109	86 - 111	0	20
Bromobenzene	20.0	20.47		ug/L		102	82 - 120	5	20
Bromochloromethane	20.0	22.83		ug/L		114	83 - 123	6	20
Bromodichloromethane	20.0	23.96		ug/L		120	83 - 137	4	20
Bromoform	20.0	21.83		ug/L		109	91 - 137	3	20
Bromomethane	20.0	16.68		ug/L		83	29 - 148	4	20
2-Butanone (MEK)	20.0	10.55		ug/L		53	10 - 200	12	20
n-Butylbenzene	20.0	22.35		ug/L		112	85 - 138	10	20
sec-Butylbenzene	20.0	19.37		ug/L		97	75 - 118	10	20
tert-Butylbenzene	20.0	23.91		ug/L		120	85 - 122	6	20
Carbon disulfide	20.0	26.49		ug/L		132	69 - 150	1	20
Carbon tetrachloride	20.0	22.30		ug/L		112	84 - 123	7	20
Chlorobenzene	20.0	21.43		ug/L		107	93 - 115	5	20
Chloroethane	20.0	18.59		ug/L		93	56 - 155	3	20
Chloroform	20.0	22.02		ug/L		110	84 - 116	3	20
Chloromethane	20.0	20.34		ug/L		102	45 - 138	4	20
2-Chlorotoluene	20.0	21.34		ug/L		107	88 - 116	8	20
4-Chlorotoluene	20.0	21.08		ug/L		105	81 - 128	9	20
1,2-Dibromo-3-Chloropropane	20.0	20.02		ug/L		100	70 - 139	2	20
Dibromochloromethane	20.0	24.15		ug/L		121	83 - 132	1	20
1,2-Dibromoethane (EDB)	20.0	23.82		ug/L		119	82 - 125	0	20
Dibromomethane	20.0	22.99		ug/L		115	80 - 125	2	20
1,2-Dichlorobenzene	20.0	21.05		ug/L		105	84 - 128	6	20
1,3-Dichlorobenzene	20.0	21.12		ug/L		106	85 - 120	7	20
1,4-Dichlorobenzene	20.0	20.55		ug/L		103	86 - 116	6	20
Dichlorodifluoromethane (Freon 12)	20.0	18.40		ug/L		92	36 - 131	5	20
1,1-Dichloroethane	20.0	21.36		ug/L		107	81 - 120	6	20
1,2-Dichloroethane	20.0	21.01		ug/L		105	82 - 116	5	20
1,1-Dichloroethene	20.0	22.09		ug/L		110	83 - 120	4	20
cis-1,2-Dichloroethene	20.0	24.08		ug/L		120	81 - 124	3	20
trans-1,2-Dichloroethene	20.0	23.70		ug/L		118	81 - 127	4	20
1,2-Dichloropropane	20.0	23.81		ug/L		119	76 - 132	1	20
1,3-Dichloropropane	20.0	22.05		ug/L		110	74 - 122	1	20
2,2-Dichloropropane	20.0	22.75		ug/L		114	77 - 130	4	20

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCSD 620-11144/5
Matrix: Water
Analysis Batch: 11144

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	22.09		ug/L		110	81 - 115	3	20
cis-1,3-Dichloropropene	20.0	22.64		ug/L		113	74 - 129	1	20
trans-1,3-Dichloropropene	20.0	22.91		ug/L		115	78 - 126	3	20
Ethylbenzene	20.0	20.94		ug/L		105	89 - 117	6	20
Hexachlorobutadiene	20.0	19.83	*1	ug/L		99	77 - 118	31	20
2-Hexanone (MBK)	20.0	15.14		ug/L		76	37 - 123	5	20
Isopropylbenzene	20.0	20.19		ug/L		101	83 - 117	9	20
4-Isopropyltoluene	20.0	21.09		ug/L		105	83 - 124	8	20
Methyl tert-butyl ether	20.0	22.42		ug/L		112	70 - 126	1	20
4-Methyl-2-pentanone (MIBK)	20.0	20.63		ug/L		103	59 - 118	0	20
Methylene Chloride	20.0	20.41		ug/L		102	75 - 121	1	20
Naphthalene	20.0	18.35		ug/L		92	67 - 123	18	20
N-Propylbenzene	20.0	23.94		ug/L		120	84 - 128	1	20
Styrene	20.0	21.55		ug/L		108	78 - 127	5	20
1,1,1,2-Tetrachloroethane	20.0	20.53		ug/L		103	91 - 118	5	20
1,1,2,2-Tetrachloroethane	20.0	20.83		ug/L		104	77 - 129	2	20
Tetrachloroethene	20.0	22.68		ug/L		113	85 - 116	6	20
Toluene	20.0	21.67		ug/L		108	88 - 109	4	20
1,2,3-Trichlorobenzene	20.0	19.17	*1	ug/L		96	67 - 134	27	20
1,2,4-Trichlorobenzene	20.0	22.39	*1	ug/L		112	78 - 133	24	20
1,3,5-Trichlorobenzene	20.0	21.91	*1	ug/L		110	77 - 127	25	20
1,1,1-Trichloroethane	20.0	22.78		ug/L		114	83 - 124	2	20
1,1,2-Trichloroethane	20.0	23.39		ug/L		117	84 - 132	2	20
Trichloroethene	20.0	21.41		ug/L		107	74 - 118	2	20
Trichlorofluoromethane (Freon 11)	20.0	22.50		ug/L		112	82 - 126	8	20
1,2,3-Trichloropropane	20.0	20.60		ug/L		103	77 - 124	1	20
1,2,4-Trimethylbenzene	20.0	21.93		ug/L		110	89 - 126	8	20
1,3,5-Trimethylbenzene	20.0	22.19		ug/L		111	89 - 125	8	20
Vinyl chloride	20.0	20.90		ug/L		105	62 - 130	3	20
m-Xylene & p-Xylene	40.0	44.86		ug/L		112	85 - 123	6	20
o-Xylene	20.0	21.48		ug/L		107	85 - 119	5	20
Tetrahydrofuran	20.0	21.35		ug/L		107	60 - 133	2	20
Ethyl ether	20.0	19.88		ug/L		99	69 - 122	2	20
Tert-amyl methyl ether	20.0	21.57		ug/L		108	50 - 140	0	20
Ethyl tert-butyl ether	20.0	21.70		ug/L		109	60 - 131	1	20
di-Isopropyl ether	20.0	21.64		ug/L		108	67 - 125	1	20
tert-Butanol	200	156.3	*1	ug/L		78	50 - 169	23	20
1,4-Dioxane	200	166.3		ug/L		83	28 - 150	11	20
trans-1,4-Dichloro-2-butene	20.0	22.43		ug/L		112	48 - 153	2	20
Ethanol	400	365.8		ug/L		91	47 - 170	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 620-11302/7
Matrix: Water
Analysis Batch: 11302

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			05/30/22 13:25	1
Acetone	ND		10.0	ug/L			05/30/22 13:25	1
Acrylonitrile	ND		0.500	ug/L			05/30/22 13:25	1
Benzene	ND		1.00	ug/L			05/30/22 13:25	1
Bromobenzene	ND		1.00	ug/L			05/30/22 13:25	1
Bromochloromethane	ND		1.00	ug/L			05/30/22 13:25	1
Bromodichloromethane	ND		0.500	ug/L			05/30/22 13:25	1
Bromoform	ND		1.00	ug/L			05/30/22 13:25	1
Bromomethane	ND		2.00	ug/L			05/30/22 13:25	1
2-Butanone (MEK)	ND		2.00	ug/L			05/30/22 13:25	1
n-Butylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
sec-Butylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
tert-Butylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
Carbon disulfide	ND		2.00	ug/L			05/30/22 13:25	1
Carbon tetrachloride	ND		1.00	ug/L			05/30/22 13:25	1
Chlorobenzene	ND		1.00	ug/L			05/30/22 13:25	1
Chloroethane	ND		2.00	ug/L			05/30/22 13:25	1
Chloroform	ND		1.00	ug/L			05/30/22 13:25	1
Chloromethane	ND		2.00	ug/L			05/30/22 13:25	1
2-Chlorotoluene	ND		1.00	ug/L			05/30/22 13:25	1
4-Chlorotoluene	ND		1.00	ug/L			05/30/22 13:25	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			05/30/22 13:25	1
Dibromochloromethane	ND		0.500	ug/L			05/30/22 13:25	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			05/30/22 13:25	1
Dibromomethane	ND		1.00	ug/L			05/30/22 13:25	1
1,2-Dichlorobenzene	ND		1.00	ug/L			05/30/22 13:25	1
1,3-Dichlorobenzene	ND		1.00	ug/L			05/30/22 13:25	1
1,4-Dichlorobenzene	ND		1.00	ug/L			05/30/22 13:25	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			05/30/22 13:25	1
1,1-Dichloroethane	ND		1.00	ug/L			05/30/22 13:25	1
1,2-Dichloroethane	ND		1.00	ug/L			05/30/22 13:25	1
1,1-Dichloroethene	ND		1.00	ug/L			05/30/22 13:25	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			05/30/22 13:25	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			05/30/22 13:25	1
1,2-Dichloropropane	ND		1.00	ug/L			05/30/22 13:25	1
1,3-Dichloropropane	ND		1.00	ug/L			05/30/22 13:25	1
2,2-Dichloropropane	ND		1.00	ug/L			05/30/22 13:25	1
1,1-Dichloropropene	ND		1.00	ug/L			05/30/22 13:25	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			05/30/22 13:25	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			05/30/22 13:25	1
Ethylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
Hexachlorobutadiene	ND		1.00	ug/L			05/30/22 13:25	1
2-Hexanone (MBK)	ND		2.00	ug/L			05/30/22 13:25	1
Isopropylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
4-Isopropyltoluene	ND		1.00	ug/L			05/30/22 13:25	1
Methyl tert-butyl ether	ND		1.00	ug/L			05/30/22 13:25	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			05/30/22 13:25	1
Methylene Chloride	ND		2.00	ug/L			05/30/22 13:25	1

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 620-11302/7
Matrix: Water
Analysis Batch: 11302

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.00	ug/L			05/30/22 13:25	1
N-Propylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
Styrene	ND		1.00	ug/L			05/30/22 13:25	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			05/30/22 13:25	1
1,1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			05/30/22 13:25	1
Tetrachloroethene	ND		1.00	ug/L			05/30/22 13:25	1
Toluene	ND		1.00	ug/L			05/30/22 13:25	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			05/30/22 13:25	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			05/30/22 13:25	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			05/30/22 13:25	1
1,1,1-Trichloroethane	ND		1.00	ug/L			05/30/22 13:25	1
1,1,2-Trichloroethane	ND		1.00	ug/L			05/30/22 13:25	1
Trichloroethene	ND		1.00	ug/L			05/30/22 13:25	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			05/30/22 13:25	1
1,2,3-Trichloropropane	ND		1.00	ug/L			05/30/22 13:25	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			05/30/22 13:25	1
Vinyl chloride	ND		1.00	ug/L			05/30/22 13:25	1
m-Xylene & p-Xylene	ND		1.00	ug/L			05/30/22 13:25	1
o-Xylene	ND		1.00	ug/L			05/30/22 13:25	1
Tetrahydrofuran	ND		2.00	ug/L			05/30/22 13:25	1
Ethyl ether	ND		1.00	ug/L			05/30/22 13:25	1
Tert-amyl methyl ether	ND		1.00	ug/L			05/30/22 13:25	1
Ethyl tert-butyl ether	ND		1.00	ug/L			05/30/22 13:25	1
di-Isopropyl ether	ND		1.00	ug/L			05/30/22 13:25	1
tert-Butanol	ND		10.0	ug/L			05/30/22 13:25	1
1,4-Dioxane	ND		50.0	ug/L			05/30/22 13:25	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			05/30/22 13:25	1
Ethanol	ND		200	ug/L			05/30/22 13:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		05/30/22 13:25	1
Toluene-d8 (Surr)	98		70 - 130		05/30/22 13:25	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		05/30/22 13:25	1
Dibromofluoromethane (Surr)	97		70 - 130		05/30/22 13:25	1

Lab Sample ID: LCS 620-11302/4
Matrix: Water
Analysis Batch: 11302

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	21.88		ug/L		109	85 - 124
Acetone	20.0	10.15		ug/L		51	14 - 133
Acrylonitrile	20.0	20.33		ug/L		102	62 - 134
Benzene	20.0	19.90		ug/L		99	86 - 111
Bromobenzene	20.0	18.91		ug/L		95	82 - 120
Bromochloromethane	20.0	21.00		ug/L		105	83 - 123
Bromodichloromethane	20.0	21.09		ug/L		105	83 - 137

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 620-11302/4
Matrix: Water
Analysis Batch: 11302

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	19.54		ug/L		98	91 - 137
Bromomethane	20.0	10.06		ug/L		50	29 - 148
2-Butanone (MEK)	20.0	11.03		ug/L		55	10 - 200
n-Butylbenzene	20.0	23.76		ug/L		119	85 - 138
sec-Butylbenzene	20.0	19.30		ug/L		96	75 - 118
tert-Butylbenzene	20.0	18.93		ug/L		95	85 - 122
Carbon disulfide	20.0	20.54		ug/L		103	69 - 150
Carbon tetrachloride	20.0	18.83		ug/L		94	84 - 123
Chlorobenzene	20.0	22.70		ug/L		114	93 - 115
Chloroethane	20.0	19.38		ug/L		97	56 - 155
Chloroform	20.0	19.69		ug/L		98	84 - 116
Chloromethane	20.0	18.72		ug/L		94	45 - 138
2-Chlorotoluene	20.0	21.01		ug/L		105	88 - 116
4-Chlorotoluene	20.0	21.54		ug/L		108	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	18.00		ug/L		90	70 - 139
Dibromochloromethane	20.0	18.96		ug/L		95	83 - 132
1,2-Dibromoethane (EDB)	20.0	18.77		ug/L		94	82 - 125
Dibromomethane	20.0	19.56		ug/L		98	80 - 125
1,2-Dichlorobenzene	20.0	21.36		ug/L		107	84 - 128
1,3-Dichlorobenzene	20.0	20.81		ug/L		104	85 - 120
1,4-Dichlorobenzene	20.0	21.02		ug/L		105	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	17.31		ug/L		87	36 - 131
1,1-Dichloroethane	20.0	20.15		ug/L		101	81 - 120
1,2-Dichloroethane	20.0	18.95		ug/L		95	82 - 116
1,1-Dichloroethene	20.0	20.60		ug/L		103	83 - 120
cis-1,2-Dichloroethene	20.0	20.96		ug/L		105	81 - 124
trans-1,2-Dichloroethene	20.0	22.52		ug/L		113	81 - 127
1,2-Dichloropropane	20.0	21.36		ug/L		107	76 - 132
1,3-Dichloropropane	20.0	19.54		ug/L		98	74 - 122
2,2-Dichloropropane	20.0	18.80		ug/L		94	77 - 130
1,1-Dichloropropene	20.0	19.88		ug/L		99	81 - 115
cis-1,3-Dichloropropene	20.0	19.34		ug/L		97	74 - 129
trans-1,3-Dichloropropene	20.0	20.31		ug/L		102	78 - 126
Ethylbenzene	20.0	21.70		ug/L		109	89 - 117
Hexachlorobutadiene	20.0	18.37		ug/L		92	77 - 118
2-Hexanone (MBK)	20.0	12.17		ug/L		61	37 - 123
Isopropylbenzene	20.0	20.82		ug/L		104	83 - 117
4-Isopropyltoluene	20.0	21.65		ug/L		108	83 - 124
Methyl tert-butyl ether	20.0	18.80		ug/L		94	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	15.39		ug/L		77	59 - 118
Methylene Chloride	20.0	20.55		ug/L		103	75 - 121
Naphthalene	20.0	18.12		ug/L		91	67 - 123
N-Propylbenzene	20.0	21.48		ug/L		107	84 - 128
Styrene	20.0	19.94		ug/L		100	78 - 127
1,1,1,2-Tetrachloroethane	20.0	20.32		ug/L		102	91 - 118
1,1,1,2,2-Tetrachloroethane	20.0	20.91		ug/L		105	77 - 129
Tetrachloroethene	20.0	18.04		ug/L		90	85 - 116
Toluene	20.0	19.70		ug/L		99	88 - 109

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 620-11302/4
Matrix: Water
Analysis Batch: 11302

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	20.0	19.33		ug/L		97	67 - 134
1,2,4-Trichlorobenzene	20.0	18.50		ug/L		93	78 - 133
1,3,5-Trichlorobenzene	20.0	20.56		ug/L		103	77 - 127
1,1,1-Trichloroethane	20.0	19.45		ug/L		97	83 - 124
1,1,2-Trichloroethane	20.0	22.86		ug/L		114	84 - 132
Trichloroethene	20.0	19.47		ug/L		97	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	21.89		ug/L		109	82 - 126
1,2,3-Trichloropropane	20.0	20.02		ug/L		100	77 - 124
1,2,4-Trimethylbenzene	20.0	20.93		ug/L		105	89 - 126
1,3,5-Trimethylbenzene	20.0	20.94		ug/L		105	89 - 125
Vinyl chloride	20.0	18.70		ug/L		93	62 - 130
m-Xylene & p-Xylene	40.0	41.93		ug/L		105	85 - 123
o-Xylene	20.0	20.08		ug/L		100	85 - 119
Tetrahydrofuran	20.0	18.09		ug/L		90	60 - 133
Ethyl ether	20.0	18.57		ug/L		93	69 - 122
Tert-amyl methyl ether	20.0	19.06		ug/L		95	50 - 140
Ethyl tert-butyl ether	20.0	18.60		ug/L		93	60 - 131
di-Isopropyl ether	20.0	18.05		ug/L		90	67 - 125
tert-Butanol	200	184.7		ug/L		92	50 - 169
1,4-Dioxane	200	184.7		ug/L		92	28 - 150
trans-1,4-Dichloro-2-butene	20.0	17.33		ug/L		87	48 - 153
Ethanol	400	409.8		ug/L		102	47 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Toluene-d8 (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130

Lab Sample ID: LCSD 620-11302/5
Matrix: Water
Analysis Batch: 11302

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	20.82		ug/L		104	85 - 124	5	20
Acetone	20.0	10.05		ug/L		50	14 - 133	1	20
Acrylonitrile	20.0	19.46		ug/L		97	62 - 134	4	20
Benzene	20.0	18.84		ug/L		94	86 - 111	5	20
Bromobenzene	20.0	18.34		ug/L		92	82 - 120	3	20
Bromochloromethane	20.0	19.84		ug/L		99	83 - 123	6	20
Bromodichloromethane	20.0	20.53		ug/L		103	83 - 137	3	20
Bromoform	20.0	19.10		ug/L		95	91 - 137	2	20
Bromomethane	20.0	10.81		ug/L		54	29 - 148	7	20
2-Butanone (MEK)	20.0	10.89		ug/L		54	10 - 200	1	20
n-Butylbenzene	20.0	22.69		ug/L		113	85 - 138	5	20
sec-Butylbenzene	20.0	18.64		ug/L		93	75 - 118	3	20
tert-Butylbenzene	20.0	18.18		ug/L		91	85 - 122	4	20

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCSD 620-11302/5

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 11302

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide	20.0	19.37		ug/L		97	69 - 150	6	20
Carbon tetrachloride	20.0	17.58		ug/L		88	84 - 123	7	20
Chlorobenzene	20.0	21.85		ug/L		109	93 - 115	4	20
Chloroethane	20.0	18.82		ug/L		94	56 - 155	3	20
Chloroform	20.0	18.87		ug/L		94	84 - 116	4	20
Chloromethane	20.0	17.89		ug/L		89	45 - 138	5	20
2-Chlorotoluene	20.0	20.79		ug/L		104	88 - 116	1	20
4-Chlorotoluene	20.0	20.97		ug/L		105	81 - 128	3	20
1,2-Dibromo-3-Chloropropane	20.0	16.47		ug/L		82	70 - 139	9	20
Dibromochloromethane	20.0	18.14		ug/L		91	83 - 132	4	20
1,2-Dibromoethane (EDB)	20.0	18.18		ug/L		91	82 - 125	3	20
Dibromomethane	20.0	18.70		ug/L		93	80 - 125	5	20
1,2-Dichlorobenzene	20.0	20.38		ug/L		102	84 - 128	5	20
1,3-Dichlorobenzene	20.0	20.21		ug/L		101	85 - 120	3	20
1,4-Dichlorobenzene	20.0	20.41		ug/L		102	86 - 116	3	20
Dichlorodifluoromethane (Freon 12)	20.0	16.66		ug/L		83	36 - 131	4	20
1,1-Dichloroethane	20.0	19.38		ug/L		97	81 - 120	4	20
1,2-Dichloroethane	20.0	17.82		ug/L		89	82 - 116	6	20
1,1-Dichloroethene	20.0	19.65		ug/L		98	83 - 120	5	20
cis-1,2-Dichloroethene	20.0	20.46		ug/L		102	81 - 124	2	20
trans-1,2-Dichloroethene	20.0	21.71		ug/L		109	81 - 127	4	20
1,2-Dichloropropane	20.0	20.61		ug/L		103	76 - 132	4	20
1,3-Dichloropropane	20.0	18.81		ug/L		94	74 - 122	4	20
2,2-Dichloropropane	20.0	18.00		ug/L		90	77 - 130	4	20
1,1-Dichloropropene	20.0	19.00		ug/L		95	81 - 115	5	20
cis-1,3-Dichloropropene	20.0	18.41		ug/L		92	74 - 129	5	20
trans-1,3-Dichloropropene	20.0	19.41		ug/L		97	78 - 126	5	20
Ethylbenzene	20.0	21.10		ug/L		105	89 - 117	3	20
Hexachlorobutadiene	20.0	17.11		ug/L		86	77 - 118	7	20
2-Hexanone (MBK)	20.0	11.51		ug/L		58	37 - 123	6	20
Isopropylbenzene	20.0	20.02		ug/L		100	83 - 117	4	20
4-Isopropyltoluene	20.0	20.45		ug/L		102	83 - 124	6	20
Methyl tert-butyl ether	20.0	17.98		ug/L		90	70 - 126	4	20
4-Methyl-2-pentanone (MIBK)	20.0	14.72		ug/L		74	59 - 118	4	20
Methylene Chloride	20.0	19.97		ug/L		100	75 - 121	3	20
Naphthalene	20.0	17.19		ug/L		86	67 - 123	5	20
N-Propylbenzene	20.0	20.71		ug/L		104	84 - 128	4	20
Styrene	20.0	19.41		ug/L		97	78 - 127	3	20
1,1,1,2-Tetrachloroethane	20.0	19.77		ug/L		99	91 - 118	3	20
1,1,2,2-Tetrachloroethane	20.0	20.09		ug/L		100	77 - 129	4	20
Tetrachloroethene	20.0	17.41		ug/L		87	85 - 116	4	20
Toluene	20.0	19.10		ug/L		95	88 - 109	3	20
1,2,3-Trichlorobenzene	20.0	18.05		ug/L		90	67 - 134	7	20
1,2,4-Trichlorobenzene	20.0	17.93		ug/L		90	78 - 133	3	20
1,3,5-Trichlorobenzene	20.0	19.92		ug/L		100	77 - 127	3	20
1,1,1-Trichloroethane	20.0	18.69		ug/L		93	83 - 124	4	20
1,1,2-Trichloroethane	20.0	22.43		ug/L		112	84 - 132	2	20
Trichloroethene	20.0	18.52		ug/L		93	74 - 118	5	20

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCSD 620-11302/5
 Matrix: Water
 Analysis Batch: 11302

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane (Freon 11)	20.0	20.87		ug/L		104	82 - 126	5	20
1,2,3-Trichloropropane	20.0	19.34		ug/L		97	77 - 124	3	20
1,2,4-Trimethylbenzene	20.0	20.23		ug/L		101	89 - 126	3	20
1,3,5-Trimethylbenzene	20.0	20.41		ug/L		102	89 - 125	3	20
Vinyl chloride	20.0	17.91		ug/L		90	62 - 130	4	20
m-Xylene & p-Xylene	40.0	40.58		ug/L		101	85 - 123	3	20
o-Xylene	20.0	19.66		ug/L		98	85 - 119	2	20
Tetrahydrofuran	20.0	16.98		ug/L		85	60 - 133	6	20
Ethyl ether	20.0	18.01		ug/L		90	69 - 122	3	20
Tert-amyl methyl ether	20.0	18.52		ug/L		93	50 - 140	3	20
Ethyl tert-butyl ether	20.0	17.86		ug/L		89	60 - 131	4	20
di-Isopropyl ether	20.0	17.35		ug/L		87	67 - 125	4	20
tert-Butanol	200	179.2		ug/L		90	50 - 169	3	20
1,4-Dioxane	200	181.5		ug/L		91	28 - 150	2	20
trans-1,4-Dichloro-2-butene	20.0	16.43		ug/L		82	48 - 153	5	20
Ethanol	400	414.7		ug/L		104	47 - 170	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Toluene-d8 (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130

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

Lab Sample ID: MB 410-262025/5
 Matrix: Water
 Analysis Batch: 262025

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.400	mg/L			06/03/22 17:41	1

Lab Sample ID: LCS 410-262025/3
 Matrix: Water
 Analysis Batch: 262025

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	2.882		mg/L		96	90 - 110

Lab Sample ID: LCSD 410-262025/4
 Matrix: Water
 Analysis Batch: 262025

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	2.880		mg/L		96	90 - 110	0	20

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: 620-4608-12 MS
 Matrix: Water
 Analysis Batch: 262025

Client Sample ID: MW-2S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.47		10.0	11.57		mg/L		91	90 - 110

Lab Sample ID: 620-4608-12 DU
 Matrix: Water
 Analysis Batch: 262025

Client Sample ID: MW-2S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	2.47		2.446		mg/L		0.9	15

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-260317/1-A
 Matrix: Water
 Analysis Batch: 261295

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 260317

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		3.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
NMeFOSAA	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorobutanoic acid	ND		5.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorodecanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorododecanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluoroheptanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorohexanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorononanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorooctanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluoropentanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluorotridecanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
Perfluoroundecanoic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
6:2 Fluorotelomer sulfonic acid	ND		5.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
8:2 Fluorotelomer sulfonic acid	ND		3.00	ng/L		05/31/22 09:06	06/03/22 02:22	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		05/31/22 09:06	06/03/22 02:22	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	94		10 - 200	05/31/22 09:06	06/03/22 02:22	1
M2-6:2 FTS	91		17 - 200	05/31/22 09:06	06/03/22 02:22	1
M2-8:2 FTS	88		33 - 200	05/31/22 09:06	06/03/22 02:22	1
13C2 PFTeDA	81		10 - 179	05/31/22 09:06	06/03/22 02:22	1
13C3 HFPO-DA	61		17 - 185	05/31/22 09:06	06/03/22 02:22	1
13C3 PFBS	90		16 - 200	05/31/22 09:06	06/03/22 02:22	1
13C4 PFBA	66		42 - 165	05/31/22 09:06	06/03/22 02:22	1

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 410-260317/1-A
Matrix: Water
Analysis Batch: 261295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260317

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFHpA	75		31 - 182	05/31/22 09:06	06/03/22 02:22	1
13C5 PFPeA	66		38 - 187	05/31/22 09:06	06/03/22 02:22	1
13C8 PFOA	83		48 - 162	05/31/22 09:06	06/03/22 02:22	1
13C8 PFOS	89		51 - 159	05/31/22 09:06	06/03/22 02:22	1
d3-NMeFOSAA	110		31 - 174	05/31/22 09:06	06/03/22 02:22	1
d5-NEtFOSAA	112		29 - 195	05/31/22 09:06	06/03/22 02:22	1
d9-N-EtFOSE-M	70		10 - 177	05/31/22 09:06	06/03/22 02:22	1
13C3 PFHxS	85		28 - 188	05/31/22 09:06	06/03/22 02:22	1
13C5 PFHxA	65		24 - 179	05/31/22 09:06	06/03/22 02:22	1
13C6 PFDA	87		49 - 163	05/31/22 09:06	06/03/22 02:22	1
13C7 PFUnA	85		34 - 174	05/31/22 09:06	06/03/22 02:22	1
d3-NMePFOSA	59		10 - 155	05/31/22 09:06	06/03/22 02:22	1
d5-NEtPFOSA	57		10 - 159	05/31/22 09:06	06/03/22 02:22	1
13C8 FOSA	76		10 - 168	05/31/22 09:06	06/03/22 02:22	1
13C2-PFDoDA	88		17 - 176	05/31/22 09:06	06/03/22 02:22	1
13C9 PFNA	92		51 - 167	05/31/22 09:06	06/03/22 02:22	1

Lab Sample ID: LCS 410-260317/2-A
Matrix: Water
Analysis Batch: 261295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NMeFOSAA	25.6	23.52		ng/L		92	59 - 140
Perfluorobutanesulfonic acid	22.7	21.38		ng/L		94	53 - 138
Perfluorobutanoic acid	25.6	26.30		ng/L		103	59 - 136
Perfluorodecanesulfonic acid	24.7	23.10		ng/L		94	55 - 137
Perfluorodecanoic acid	25.6	24.48		ng/L		96	56 - 138
Perfluorododecanoic acid	25.6	23.16		ng/L		90	59 - 143
Perfluoroheptanesulfonic acid	24.4	20.30		ng/L		83	56 - 140
Perfluoroheptanoic acid	25.6	24.65		ng/L		96	59 - 145
Perfluorohexanesulfonic acid	23.3	20.60		ng/L		88	58 - 134
Perfluorohexanoic acid	25.6	23.73		ng/L		93	58 - 139
Perfluorononanesulfonic acid	24.6	23.17		ng/L		94	59 - 136
Perfluorononanoic acid	25.6	23.68		ng/L		93	61 - 139
Perfluorooctanesulfonamide	25.6	22.96		ng/L		90	43 - 167
Perfluorooctanesulfonic acid	23.7	24.12		ng/L		102	45 - 150
Perfluorooctanoic acid	25.6	23.61		ng/L		92	51 - 145
Perfluoropentanesulfonic acid	24.0	23.02		ng/L		96	55 - 140
Perfluoropentanoic acid	25.6	25.33		ng/L		99	57 - 141
Perfluorotetradecanoic acid	25.6	24.85		ng/L		97	62 - 139
Perfluorotridecanoic acid	25.6	24.00		ng/L		94	58 - 146
Perfluoroundecanoic acid	25.6	24.24		ng/L		95	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	20.99		ng/L		86	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	21.73		ng/L		89	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	18.00		ng/L		75	55 - 139

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	108		10 - 200

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 410-260317/2-A
Matrix: Water
Analysis Batch: 261295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260317

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	96		17 - 200
M2-8:2 FTS	103		33 - 200
13C2 PFTeDA	98		10 - 179
13C3 HFPO-DA	88		17 - 185
13C3 PFBS	101		16 - 200
13C4 PFBA	101		42 - 165
13C4 PFHpA	97		31 - 182
13C5 PFPeA	107		38 - 187
13C8 PFOA	96		48 - 162
13C8 PFOS	97		51 - 159
d3-NMeFOSAA	132		31 - 174
d5-NEtFOSAA	152		29 - 195
d9-N-EtFOSE-M	105		10 - 177
13C3 PFHxS	95		28 - 188
13C5 PFHxA	91		24 - 179
13C6 PFDA	106		49 - 163
13C7 PFUnA	115		34 - 174
d3-NMePFOSA	79		10 - 155
d5-NEtPFOSA	81		10 - 159
13C8 FOSA	98		10 - 168
13C2-PFDoDA	111		17 - 176
13C9 PFNA	105		51 - 167

Lab Sample ID: MB 410-263523/1-A
Matrix: Water
Analysis Batch: 263771

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 263523

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
NEtFOSAA	ND		3.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
NMeFOSAA	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorobutanoic acid	ND		5.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorohexanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorononanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluoropentanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 410-263523/1-A
Matrix: Water
Analysis Batch: 263771

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 263523

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		5.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
8:2 Fluorotelomer sulfonic acid	ND		3.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/08/22 16:16	06/09/22 20:43	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	124		10 - 200			06/08/22 16:16	06/09/22 20:43	1
M2-6:2 FTS	109		17 - 200			06/08/22 16:16	06/09/22 20:43	1
M2-8:2 FTS	99		33 - 200			06/08/22 16:16	06/09/22 20:43	1
13C2 PFTeDA	79		10 - 179			06/08/22 16:16	06/09/22 20:43	1
13C3 HFPO-DA	93		17 - 185			06/08/22 16:16	06/09/22 20:43	1
13C3 PFBS	102		16 - 200			06/08/22 16:16	06/09/22 20:43	1
13C4 PFBA	96		42 - 165			06/08/22 16:16	06/09/22 20:43	1
13C4 PFHpA	102		31 - 182			06/08/22 16:16	06/09/22 20:43	1
13C5 PFPeA	95		38 - 187			06/08/22 16:16	06/09/22 20:43	1
13C8 PFOA	91		48 - 162			06/08/22 16:16	06/09/22 20:43	1
13C8 PFOS	96		51 - 159			06/08/22 16:16	06/09/22 20:43	1
d3-NMeFOSAA	105		31 - 174			06/08/22 16:16	06/09/22 20:43	1
d5-NEtFOSAA	109		29 - 195			06/08/22 16:16	06/09/22 20:43	1
d9-N-EtFOSE-M	73		10 - 177			06/08/22 16:16	06/09/22 20:43	1
13C3 PFHxS	99		28 - 188			06/08/22 16:16	06/09/22 20:43	1
13C5 PFHxA	95		24 - 179			06/08/22 16:16	06/09/22 20:43	1
13C6 PFDA	95		49 - 163			06/08/22 16:16	06/09/22 20:43	1
13C7 PFUnA	99		34 - 174			06/08/22 16:16	06/09/22 20:43	1
d3-NMePFOSA	50		10 - 155			06/08/22 16:16	06/09/22 20:43	1
d5-NEtPFOSA	50		10 - 159			06/08/22 16:16	06/09/22 20:43	1
13C8 FOSA	77		10 - 168			06/08/22 16:16	06/09/22 20:43	1
13C2-PFDoDA	94		17 - 176			06/08/22 16:16	06/09/22 20:43	1
13C9 PFNA	93		51 - 167			06/08/22 16:16	06/09/22 20:43	1

Lab Sample ID: LCS 410-263523/2-A
Matrix: Water
Analysis Batch: 263771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 263523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
NEtFOSAA	25.6	19.01		ng/L		74	55 - 134
NMeFOSAA	25.6	19.93		ng/L		78	59 - 140
Perfluorobutanesulfonic acid	22.7	17.87		ng/L		79	53 - 138
Perfluorobutanoic acid	25.6	19.92		ng/L		78	59 - 136
Perfluorodecanesulfonic acid	24.7	17.05		ng/L		69	55 - 137
Perfluorodecanoic acid	25.6	22.67		ng/L		89	56 - 138
Perfluorododecanoic acid	25.6	20.86		ng/L		81	59 - 143
Perfluoroheptanesulfonic acid	24.4	18.73		ng/L		77	56 - 140
Perfluoroheptanoic acid	25.6	21.64		ng/L		85	59 - 145
Perfluorohexanesulfonic acid	23.3	19.57		ng/L		84	58 - 134
Perfluorohexanoic acid	25.6	22.10		ng/L		86	58 - 139
Perfluorononanesulfonic acid	24.6	17.82		ng/L		73	59 - 136
Perfluorononanoic acid	25.6	20.87		ng/L		82	61 - 139
Perfluorooctanesulfonamide	25.6	17.82		ng/L		70	43 - 167
Perfluorooctanesulfonic acid	23.7	19.77		ng/L		83	45 - 150

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 410-263523/2-A
Matrix: Water
Analysis Batch: 263771

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 263523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanoic acid	25.6	21.22		ng/L		83	51 - 145
Perfluoropentanesulfonic acid	24.0	19.16		ng/L		80	55 - 140
Perfluoropentanoic acid	25.6	20.01		ng/L		78	57 - 141
Perfluorotetradecanoic acid	25.6	20.42		ng/L		80	62 - 139
Perfluorotridecanoic acid	25.6	21.60		ng/L		84	58 - 146
Perfluoroundecanoic acid	25.6	19.93		ng/L		78	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	20.43		ng/L		84	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	18.45		ng/L		75	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	16.15		ng/L		68	55 - 139

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	164		10 - 200
M2-6:2 FTS	150		17 - 200
M2-8:2 FTS	133		33 - 200
13C2 PFTeDA	124		10 - 179
13C3 HFPO-DA	129		17 - 185
13C3 PFBS	134		16 - 200
13C4 PFBA	132		42 - 165
13C4 PFHpA	128		31 - 182
13C5 PFPeA	134		38 - 187
13C8 PFOA	126		48 - 162
13C8 PFOS	128		51 - 159
d3-NMeFOSAA	147		31 - 174
d5-NEtFOSAA	149		29 - 195
d9-N-EtFOSE-M	108		10 - 177
13C3 PFHxS	127		28 - 188
13C5 PFHxA	122		24 - 179
13C6 PFDA	128		49 - 163
13C7 PFUnA	132		34 - 174
d3-NMePFOSA	67		10 - 155
d5-NEtPFOSA	72		10 - 159
13C8 FOSA	117		10 - 168
13C2-PFDoDA	128		17 - 176
13C9 PFNA	130		51 - 167

Lab Sample ID: LCSD 410-263523/3-A
Matrix: Water
Analysis Batch: 263771

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 263523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA	25.6	20.62		ng/L		81	55 - 134	8	30
NMeFOSAA	25.6	19.88		ng/L		78	59 - 140	0	30
Perfluorobutanesulfonic acid	22.7	18.50		ng/L		82	53 - 138	3	30
Perfluorobutanoic acid	25.6	20.92		ng/L		82	59 - 136	5	30
Perfluorodecanesulfonic acid	24.7	18.91		ng/L		77	55 - 137	10	30
Perfluorodecanoic acid	25.6	21.94		ng/L		86	56 - 138	3	30
Perfluorododecanoic acid	25.6	19.86		ng/L		78	59 - 143	5	30
Perfluoroheptanesulfonic acid	24.4	19.31		ng/L		79	56 - 140	3	30
Perfluoroheptanoic acid	25.6	21.75		ng/L		85	59 - 145	1	30

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCSD 410-263523/3-A
Matrix: Water
Analysis Batch: 263771

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 263523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanesulfonic acid	23.3	19.41		ng/L		83	58 - 134	1	30
Perfluorohexanoic acid	25.6	21.48		ng/L		84	58 - 139	3	30
Perfluorononanesulfonic acid	24.6	19.67		ng/L		80	59 - 136	10	30
Perfluorononanoic acid	25.6	23.42		ng/L		91	61 - 139	11	30
Perfluorooctanesulfonamide	25.6	19.97		ng/L		78	43 - 167	11	30
Perfluorooctanesulfonic acid	23.7	21.09		ng/L		89	45 - 150	6	30
Perfluorooctanoic acid	25.6	23.04		ng/L		90	51 - 145	8	30
Perfluoropentanesulfonic acid	24.0	19.04		ng/L		79	55 - 140	1	30
Perfluoropentanoic acid	25.6	21.15		ng/L		83	57 - 141	6	30
Perfluorotetradecanoic acid	25.6	21.10		ng/L		82	62 - 139	3	30
Perfluorotridecanoic acid	25.6	21.00		ng/L		82	58 - 146	3	30
Perfluoroundecanoic acid	25.6	21.99		ng/L		86	60 - 141	10	30
6:2 Fluorotelomer sulfonic acid	24.3	22.24		ng/L		92	28 - 173	8	30
8:2 Fluorotelomer sulfonic acid	24.5	17.27		ng/L		70	55 - 138	7	30
4:2 Fluorotelomer sulfonic acid	23.9	15.87		ng/L		66	55 - 139	2	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
M2-4:2 FTS	155		10 - 200
M2-6:2 FTS	135		17 - 200
M2-8:2 FTS	138		33 - 200
13C2 PFTeDA	99		10 - 179
13C3 HFPO-DA	118		17 - 185
13C3 PFBS	128		16 - 200
13C4 PFBA	121		42 - 165
13C4 PFHpA	117		31 - 182
13C5 PFPeA	116		38 - 187
13C8 PFOA	112		48 - 162
13C8 PFOS	120		51 - 159
d3-NMeFOSAA	140		31 - 174
d5-NEtFOSAA	132		29 - 195
d9-N-EtFOSE-M	76		10 - 177
13C3 PFHxS	119		28 - 188
13C5 PFHxA	113		24 - 179
13C6 PFDA	121		49 - 163
13C7 PFUnA	121		34 - 174
d3-NMePFOSA	48		10 - 155
d5-NEtPFOSA	47		10 - 159
13C8 FOSA	100		10 - 168
13C2-PFDoDA	114		17 - 176
13C9 PFNA	122		51 - 167

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

Lab Sample ID: MB 410-259867/1-A
Matrix: Drinking Water
Analysis Batch: 260842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259867

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: MB 410-259867/1-A
Matrix: Drinking Water
Analysis Batch: 260842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 259867

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluoroheptanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorooctanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorononanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorodecanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorotridecanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
NEtFOSAA	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
NMeFOSAA	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluoroundecanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1
Perfluorododecanoic acid	ND		2.00	ng/L		05/27/22 15:05	06/01/22 18:50	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	87		70 - 130	05/27/22 15:05	06/01/22 18:50	1
13C2 PFHxA	88		70 - 130	05/27/22 15:05	06/01/22 18:50	1
13C3 HFPO-DA	85		70 - 130	05/27/22 15:05	06/01/22 18:50	1
d5-NEtFOSAA	86		70 - 130	05/27/22 15:05	06/01/22 18:50	1

Lab Sample ID: LCS 410-259867/2-A
Matrix: Drinking Water
Analysis Batch: 260842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluoroheptanoic acid	20.5	19.79		ng/L		97	70 - 130
Perfluorooctanoic acid	20.5	21.04		ng/L		103	70 - 130
Perfluorononanoic acid	20.5	21.20		ng/L		104	70 - 130
Perfluorodecanoic acid	20.5	21.57		ng/L		105	70 - 130
Perfluorotridecanoic acid	20.5	21.56		ng/L		105	70 - 130
Perfluorotetradecanoic acid	20.5	21.76		ng/L		106	70 - 130
Perfluorobutanesulfonic acid	18.1	19.95		ng/L		110	70 - 130
Perfluorohexanesulfonic acid	18.7	18.96		ng/L		102	70 - 130
Perfluorooctanesulfonic acid	19.0	19.53		ng/L		103	70 - 130
NEtFOSAA	20.5	19.51		ng/L		95	70 - 130
NMeFOSAA	20.5	20.21		ng/L		99	70 - 130
Perfluoroundecanoic acid	20.5	22.28		ng/L		109	70 - 130
Perfluorododecanoic acid	20.5	21.75		ng/L		106	70 - 130
HFPODA	20.5	18.55		ng/L		91	70 - 130
9CI-PF3ONS	19.0	20.18		ng/L		106	70 - 130
11CI-PF3OUdS	19.0	20.22		ng/L		106	70 - 130
DONA	19.4	18.21		ng/L		94	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
13C2 PFDA	96		70 - 130
13C2 PFHxA	93		70 - 130
13C3 HFPO-DA	82		70 - 130

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QC Sample Results

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

Job ID: 620-4608-1

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

Lab Sample ID: LCS 410-259867/2-A
Matrix: Drinking Water
Analysis Batch: 260842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 259867

Surrogate	LCS %Recovery	LCS Qualifier	Limits
d5-NEtFOSAA	94		70 - 130

Lab Sample ID: LCSD 410-259867/3-A
Matrix: Drinking Water
Analysis Batch: 260842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 259867

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid	20.5	21.64		ng/L		106	70 - 130	3	30
Perfluoroheptanoic acid	20.5	22.46		ng/L		110	70 - 130	13	30
Perfluorooctanoic acid	20.5	22.09		ng/L		108	70 - 130	5	30
Perfluorononanoic acid	20.5	22.14		ng/L		108	70 - 130	4	30
Perfluorodecanoic acid	20.5	21.16		ng/L		103	70 - 130	2	30
Perfluorotridecanoic acid	20.5	20.81		ng/L		102	70 - 130	4	30
Perfluorotetradecanoic acid	20.5	21.05		ng/L		103	70 - 130	3	30
Perfluorobutanesulfonic acid	18.1	20.64		ng/L		114	70 - 130	3	30
Perfluorohexanesulfonic acid	18.7	21.59		ng/L		116	70 - 130	13	30
Perfluorooctanesulfonic acid	19.0	20.39		ng/L		108	70 - 130	4	30
NEtFOSAA	20.5	20.93		ng/L		102	70 - 130	7	30
NMeFOSAA	20.5	20.99		ng/L		102	70 - 130	4	30
Perfluoroundecanoic acid	20.5	21.36		ng/L		104	70 - 130	4	30
Perfluorododecanoic acid	20.5	21.61		ng/L		106	70 - 130	1	30
HFPODA	20.5	19.42		ng/L		95	70 - 130	5	30
9CI-PF3ONS	19.0	20.72		ng/L		109	70 - 130	3	30
11CI-PF3OUdS	19.0	19.98		ng/L		105	70 - 130	1	30
DONA	19.4	20.73		ng/L		107	70 - 130	13	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFDA	92		70 - 130
13C2 PFHxA	93		70 - 130
13C3 HFPO-DA	88		70 - 130
d5-NEtFOSAA	92		70 - 130

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-11194/1-A
Matrix: Water
Analysis Batch: 11203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11194

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00800	mg/L		05/25/22 17:38	05/26/22 11:12	1
Cadmium	ND		0.00500	mg/L		05/25/22 17:38	05/26/22 11:12	1
Chromium	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 11:12	1
Copper	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 11:12	1
Iron	ND		0.100	mg/L		05/25/22 17:38	05/26/22 11:12	1
Lead	ND		0.0150	mg/L		05/25/22 17:38	05/26/22 11:12	1
Manganese	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 11:12	1
Nickel	ND		0.0100	mg/L		05/25/22 17:38	05/26/22 11:12	1
Sodium	ND		1.50	mg/L		05/25/22 17:38	05/26/22 11:12	1

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QC Sample Results

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

Job ID: 620-4608-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 620-11194/1-A
Matrix: Water
Analysis Batch: 11203

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11194

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.0500	mg/L		05/25/22 17:38	05/26/22 11:12	1

Lab Sample ID: LCS 620-11194/2-A
Matrix: Water
Analysis Batch: 11203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.50	2.708		mg/L		108	85 - 115
Cadmium	2.50	2.579		mg/L		103	85 - 115
Chromium	2.50	2.398		mg/L		96	85 - 115
Copper	2.50	2.659		mg/L		106	85 - 115
Iron	2.50	2.513		mg/L		101	85 - 115
Lead	2.50	2.737		mg/L		109	85 - 115
Manganese	2.50	2.614		mg/L		105	85 - 115
Nickel	2.50	2.589		mg/L		104	85 - 115
Sodium	12.5	12.92		mg/L		103	85 - 115
Zinc	2.50	2.664		mg/L		107	85 - 115

Lab Sample ID: LCSD 620-11194/3-A
Matrix: Water
Analysis Batch: 11203

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11194

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.50	2.654		mg/L		106	85 - 115	2	20
Cadmium	2.50	2.582		mg/L		103	85 - 115	0	20
Chromium	2.50	2.401		mg/L		96	85 - 115	0	20
Copper	2.50	2.649		mg/L		106	85 - 115	0	20
Iron	2.50	2.525		mg/L		101	85 - 115	0	20
Lead	2.50	2.702		mg/L		108	85 - 115	1	20
Manganese	2.50	2.613		mg/L		105	85 - 115	0	20
Nickel	2.50	2.565		mg/L		103	85 - 115	1	20
Sodium	12.5	12.86		mg/L		103	85 - 115	0	20
Zinc	2.50	2.684		mg/L		107	85 - 115	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 620-11192/1-C
Matrix: Water
Analysis Batch: 11286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11227

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	L	0.000200	mg/L		05/26/22 12:43	05/27/22 12:48	1

Lab Sample ID: MB 620-11227/1-A
Matrix: Water
Analysis Batch: 11286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11227

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		05/26/22 12:43	05/27/22 12:43	1

Eurofins New England

QC Sample Results

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

Job ID: 620-4608-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 620-11227/2-A
Matrix: Water
Analysis Batch: 11286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11227

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.005445		mg/L		109	85 - 115

Lab Sample ID: LCSD 620-11227/3-A
Matrix: Water
Analysis Batch: 11286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11227

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00500	0.005257		mg/L		105	85 - 115	4	20

Method: 410.4 - COD

Lab Sample ID: MB 410-261259/4
Matrix: Water
Analysis Batch: 261259

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/02/22 06:15	1

Lab Sample ID: LCS 410-261259/5
Matrix: Water
Analysis Batch: 261259

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	503.5		mg/L		101	94 - 110

Lab Sample ID: 620-4608-2 MS
Matrix: Water
Analysis Batch: 261259

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	ND		400	391.7		mg/L		98	94 - 110

Lab Sample ID: 620-4608-2 MSD
Matrix: Water
Analysis Batch: 261259

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	ND		400	396.1		mg/L		99	94 - 110	1	5

Lab Sample ID: 620-4608-2 DU
Matrix: Water
Analysis Batch: 261259

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

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chemical Oxygen Demand	ND			ND		mg/L		NC	9

QC Association Summary

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

Job ID: 620-4608-1

GC/MS VOA

Analysis Batch: 11144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	8260C	
MB 620-11144/7	Method Blank	Total/NA	Water	8260C	
LCS 620-11144/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-11144/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 11302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-12	MW-2S	Total/NA	Water	8260C	
MB 620-11302/7	Method Blank	Total/NA	Water	8260C	
LCS 620-11302/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-11302/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 259754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-14	152 Forest Edge Rd - INF	Total/NA	Drinking Water	524.2	
620-4608-15	152 Forest Edge Rd - MID	Total/NA	Drinking Water	524.2	
620-4608-16	152 Forest Edge Rd - EFF	Total/NA	Drinking Water	524.2	
MB 410-259754/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-259754/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

HPLC/IC

Analysis Batch: 262025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-12	MW-2S	Total/NA	Water	EPA 300.0 R2.1	
MB 410-262025/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-262025/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-262025/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
620-4608-12 MS	MW-2S	Total/NA	Water	EPA 300.0 R2.1	
620-4608-12 DU	MW-2S	Total/NA	Water	EPA 300.0 R2.1	

LCMS

Prep Batch: 259867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-14	152 Forest Edge Rd - INF	Total/NA	Drinking Water	537.1 DW Prep	
620-4608-15	152 Forest Edge Rd - MID	Total/NA	Drinking Water	537.1 DW Prep	
620-4608-16	152 Forest Edge Rd - EFF	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-259867/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-259867/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-259867/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Prep Batch: 260317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-12	MW-2S	Total/NA	Water	537 IDA	
MB 410-260317/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-260317/2-A	Lab Control Sample	Total/NA	Water	537 IDA	

Analysis Batch: 260842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-14	152 Forest Edge Rd - INF	Total/NA	Drinking Water	EPA 537.1	259867
620-4608-15	152 Forest Edge Rd - MID	Total/NA	Drinking Water	EPA 537.1	259867

Eurofins New England

QC Association Summary

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

Job ID: 620-4608-1

LCMS (Continued)

Analysis Batch: 260842 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-16	152 Forest Edge Rd - EFF	Total/NA	Drinking Water	EPA 537.1	259867
MB 410-259867/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	259867
LCS 410-259867/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	259867
LCSD 410-259867/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	259867

Analysis Batch: 260867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-12	MW-2S	Total/NA	Water	537 IDA	260317

Analysis Batch: 261295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-260317/1-A	Method Blank	Total/NA	Water	537 IDA	260317
LCS 410-260317/2-A	Lab Control Sample	Total/NA	Water	537 IDA	260317

Prep Batch: 263523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	537 IDA	
620-4608-12 - RE	MW-2S	Total/NA	Water	537 IDA	
MB 410-263523/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-263523/2-A	Lab Control Sample	Total/NA	Water	537 IDA	
LCSD 410-263523/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	

Analysis Batch: 263771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-12 - RE	MW-2S	Total/NA	Water	537 IDA	263523
MB 410-263523/1-A	Method Blank	Total/NA	Water	537 IDA	263523
LCS 410-263523/2-A	Lab Control Sample	Total/NA	Water	537 IDA	263523
LCSD 410-263523/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	263523

Analysis Batch: 264220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	537 IDA	263523

Metals

Leach Batch: 11192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-11192/1-C	Method Blank	Total/NA	Water	1311	

Prep Batch: 11194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	3005A	
620-4608-12	MW-2S	Total/NA	Water	3005A	
MB 620-11194/1-A	Method Blank	Total/NA	Water	3005A	
LCS 620-11194/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 620-11194/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 11203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	6010D	11194
620-4608-12	MW-2S	Total/NA	Water	6010D	11194

Eurofins New England

QC Association Summary

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

Job ID: 620-4608-1

Metals (Continued)

Analysis Batch: 11203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-11194/1-A	Method Blank	Total/NA	Water	6010D	11194
LCS 620-11194/2-A	Lab Control Sample	Total/NA	Water	6010D	11194
LCSD 620-11194/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	11194

Prep Batch: 11227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	7470A	
620-4608-12	MW-2S	Total/NA	Water	7470A	
MB 620-11192/1-C	Method Blank	Total/NA	Water	7470A	11192
MB 620-11227/1-A	Method Blank	Total/NA	Water	7470A	
LCS 620-11227/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 620-11227/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 11286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	7470A	11227
620-4608-12	MW-2S	Total/NA	Water	7470A	11227
MB 620-11192/1-C	Method Blank	Total/NA	Water	7470A	11227
MB 620-11227/1-A	Method Blank	Total/NA	Water	7470A	11227
LCS 620-11227/2-A	Lab Control Sample	Total/NA	Water	7470A	11227
LCSD 620-11227/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	11227

General Chemistry

Analysis Batch: 261259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-4608-2	MW-3S	Total/NA	Water	410.4	
620-4608-12	MW-2S	Total/NA	Water	410.4	
MB 410-261259/4	Method Blank	Total/NA	Water	410.4	
LCS 410-261259/5	Lab Control Sample	Total/NA	Water	410.4	
620-4608-2 MS	MW-3S	Total/NA	Water	410.4	
620-4608-2 MSD	MW-3S	Total/NA	Water	410.4	
620-4608-2 DU	MW-3S	Total/NA	Water	410.4	

Lab Chronicle

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

Job ID: 620-4608-1

Client Sample ID: MW-3S

Date Collected: 05/11/22 15:52

Date Received: 05/19/22 08:15

Lab Sample ID: 620-4608-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	11144	05/25/22 16:04	CLR	ENE
Total/NA	Prep	537 IDA			263523	06/08/22 16:16	QLP7	ELLE
Total/NA	Analysis	537 IDA		1	264220	06/10/22 15:57	I5JH	ELLE
Total/NA	Prep	3005A			11194	05/25/22 17:38	CAJ	ENE
Total/NA	Analysis	6010D		1	11203	05/26/22 12:37	CEV	ENE
Total/NA	Prep	7470A			11227	05/26/22 12:45	CEV	ENE
Total/NA	Analysis	7470A		1	11286	05/27/22 13:11	CEV	ENE
Total/NA	Analysis	410.4		1	261259	06/02/22 06:15	USAE	ELLE

Client Sample ID: MW-2S

Date Collected: 05/18/22 14:50

Date Received: 05/19/22 08:15

Lab Sample ID: 620-4608-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	11302	05/30/22 14:42	CLR	ENE
Total/NA	Analysis	EPA 300.0 R2.1		5	262025	06/03/22 20:07	W5UX	ELLE
Total/NA	Prep	537 IDA			260317	05/31/22 09:06	PMS9	ELLE
Total/NA	Analysis	537 IDA		1	260867	06/02/22 00:54	MT26	ELLE
Total/NA	Prep	537 IDA	RE		263523	06/08/22 16:16	QLP7	ELLE
Total/NA	Analysis	537 IDA	RE	1	263771	06/10/22 01:43	I5JH	ELLE
Total/NA	Prep	3005A			11194	05/25/22 17:38	CAJ	ENE
Total/NA	Analysis	6010D		1	11203	05/26/22 12:44	CEV	ENE
Total/NA	Prep	7470A			11227	05/26/22 12:46	CEV	ENE
Total/NA	Analysis	7470A		1	11286	05/27/22 13:13	CEV	ENE
Total/NA	Analysis	410.4		1	261259	06/02/22 06:15	USAE	ELLE

Client Sample ID: 152 Forest Edge Rd - INF

Date Collected: 05/17/22 10:20

Date Received: 05/19/22 08:15

Lab Sample ID: 620-4608-14

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	259754	05/27/22 15:35	USEJ	ELLE
Total/NA	Prep	537.1 DW Prep			259867	05/27/22 15:05	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	260842	06/01/22 22:53	VK3G	ELLE

Client Sample ID: 152 Forest Edge Rd - MID

Date Collected: 05/17/22 10:18

Date Received: 05/19/22 08:15

Lab Sample ID: 620-4608-15

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	259754	05/27/22 15:57	USEJ	ELLE
Total/NA	Prep	537.1 DW Prep			259867	05/27/22 15:05	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	260842	06/01/22 23:05	VK3G	ELLE

Lab Chronicle

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

Job ID: 620-4608-1

Client Sample ID: 152 Forest Edge Rd - EFF

Lab Sample ID: 620-4608-16

Date Collected: 05/17/22 10:18

Matrix: Drinking Water

Date Received: 05/19/22 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	259754	05/27/22 16:20	USEJ	ELLE
Total/NA	Prep	537.1 DW Prep			259867	05/27/22 15:05	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	260842	06/01/22 23:16	VK3G	ELLE

Laboratory References:

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

ENE = Eurofins New England, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018



Accreditation/Certification Summary

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

Job ID: 620-4608-1

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
A2LA	Dept. of Defense ELAP	<cert No.>	02-28-23
Connecticut	State	PH-0722	06-30-22
Maine	State	RI00100	04-17-23
Massachusetts	State	M-RI907	06-30-22
New Hampshire	NELAP	2240	08-03-22
New Jersey	NELAP	RI008	06-30-22
New York	NELAP	11393	06-01-22
Rhode Island	State	LAI00368	12-30-22
USDA	US Federal Programs	P330-20-00109	04-15-23

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	10-28-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
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	537 IDA	Water	4:2 Fluorotelomer sulfonic acid
537 IDA	537 IDA	Water	6:2 Fluorotelomer sulfonic acid
537 IDA	537 IDA	Water	8:2 Fluorotelomer sulfonic acid
537 IDA	537 IDA	Water	NETFOSAA
537 IDA	537 IDA	Water	NMeFOSAA
537 IDA	537 IDA	Water	Perfluorobutanesulfonic acid
537 IDA	537 IDA	Water	Perfluorobutanoic acid
537 IDA	537 IDA	Water	Perfluorodecanesulfonic acid
537 IDA	537 IDA	Water	Perfluorodecanoic acid
537 IDA	537 IDA	Water	Perfluorododecanoic acid
537 IDA	537 IDA	Water	Perfluoroheptanesulfonic acid
537 IDA	537 IDA	Water	Perfluoroheptanoic acid
537 IDA	537 IDA	Water	Perfluorohexanesulfonic acid
537 IDA	537 IDA	Water	Perfluorohexanoic acid

Accreditation/Certification Summary

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

Job ID: 620-4608-1

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	537 IDA	Water	Perfluorononanesulfonic acid
537 IDA	537 IDA	Water	Perfluorononanoic acid
537 IDA	537 IDA	Water	Perfluorooctanesulfonamide
537 IDA	537 IDA	Water	Perfluorooctanesulfonic acid
537 IDA	537 IDA	Water	Perfluorooctanoic acid
537 IDA	537 IDA	Water	Perfluoropentanesulfonic acid
537 IDA	537 IDA	Water	Perfluoropentanoic acid
537 IDA	537 IDA	Water	Perfluorotetradecanoic acid
537 IDA	537 IDA	Water	Perfluorotridecanoic acid
537 IDA	537 IDA	Water	Perfluoroundecanoic acid

Method Summary

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

Job ID: 620-4608-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE
8260C	Volatile Organic Compounds by GC/MS	SW846	ENE
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	ENE
7470A	Mercury (CVAA)	SW846	ENE
410.4	COD	MCAWW	ELLE
3005A	Preparation, Total Metals	SW846	ENE
5030C	Purge and Trap	SW846	ENE
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE
7470A	Preparation, Mercury	SW846	ENE

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.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

ENE = Eurofins New England, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Sample Summary

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

Job ID: 620-4608-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-4608-2	MW-3S	Water	05/11/22 15:52	05/19/22 08:15
620-4608-12	MW-2S	Water	05/18/22 14:50	05/19/22 08:15
620-4608-14	152 Forest Edge Rd - INF	Drinking Water	05/17/22 10:20	05/19/22 08:15
620-4608-15	152 Forest Edge Rd - MID	Drinking Water	05/17/22 10:18	05/19/22 08:15
620-4608-16	152 Forest Edge Rd - EFF	Drinking Water	05/17/22 10:18	05/19/22 08:15

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Chain of Custody Record

620-4608 Chain of Custody

Client Contact: Ms Katrina Mattice
 Company: Stone Environmental
 Address: 535 Stone Cutters Way
 City: Montpelier
 State zip: VT 05602
 Phone: 802-229-6434 (Tel)
 Email: kmattice@stone-env.com
 Project Name: Town of Hinesburg Landfill - Hinesburg, VT
 Site: Hinesburg, VT

Sampler: KRM/APR
 Phone: 518-366-5034
 Lab PM: Huntley Agnes R
 E-Mail: Agnes.Huntley@et.eurolfms.com
 Carrier Tracking No(s): 620-3584-418 2
 State of Origin: VT
 Page: Page 2 of 3

Due Date Requested: PMSID:
 TAT Requested (day(s)):
 Compliance Project: Yes No
 PO #: 20211205
 W/O #: 20211205
 Project #: 62000809
 SSOV#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Micro, Special, Ovenspill, Breathing Air, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note
MN-1	5/18/22	0920	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8260C - 8260 Standard List SUBCONTRACT - COD SUBCONTRACT - Chloride by 300 6010D, 7470A PFC_IDA - PFAS list of 24 524.2_Preserved - (MOD) Regulated + THM's 524.2_Preserved - Regulated + THM's 537_1_DW - DW EPA 537 1 List of 18	8	
MN-2D		1305	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		8	
MN-2S		1450	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		8	
FB-S1722	5/18/22	1830	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	
FB-S1822	5/18/22	1830	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	
182 Forest Edge Rd - INF	5/17/22	1020	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		5	
182 Forest Edge Rd - MID	5/17/22	1018	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		5	
182 Forest Edge Rd - EFF	5/17/22	1018	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		5	
182 Forest E	5/17/22	1014	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	
FB-S1722	5/17/22	1014	G	Drinking Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		1	

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

Deliverable Requested I, II, III, IV, Other (specify):
 Empty Kit Relinquished by: Dawn Rice
 Date: 5/18/22
 Time: 5/18/22
 Method of Shipment:
 Relinquished by: [Signature]
 Date/Time: 5/14/22 0815
 Company: ETH-Buy
 Relinquished by: [Signature]
 Date/Time: 5/14/22 1026
 Company: INF

Cooler Temperature(s) °C and Other Remarks: 5.4 to 2 5.6 #

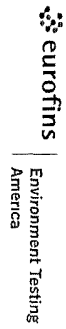
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements:

Relinquished by: [Signature]
 Date/Time: 5/14/22 0815
 Company: ETH-Buy
 Relinquished by: [Signature]
 Date/Time: 5/14/22 1026
 Company: INF
 Custody Seals Intact: Yes No
 Custody Seal No

Eurofins New England

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

Chain of Custody Record



Client Information Client Contact: Ms Katrina Matthee Company: Stone Environmental Address: 536 Stone Cutters Way City: Montpelier State, Zip: VT, 05602 Phone: 802-229-6434(Tel) Email: kmattice@stone-env.com Project Name: Town of Hinesburg Landfill - Hinesburg, VT Site: Hinesburg, VT		Sampler: KEM/SLW Phone: 518-306-5034 Lab P#: Huntley, Agnes R E-Mail: Agnes.Huntley@et.eurofins.com State of Origin: VT	COC No: 620-3584-418.1 Page: Page 1 of 3 Job #:
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 20211205 WO #: 20211205 Project #: 62000809 SSOV#:		Analysis Requested Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 8260C - 8260 Standard List <input checked="" type="checkbox"/> SUBCONTRACT - COD <input checked="" type="checkbox"/> SUBCONTRACT - Chloride by 300 <input checked="" type="checkbox"/> 6010D, 7470A <input checked="" type="checkbox"/> PFC_IDA - PFAS list of 24 <input checked="" type="checkbox"/> 524.2_Preserved - (MOD) Regulated + THM's <input checked="" type="checkbox"/> 524.2_Preserved - Regulated + THM's <input checked="" type="checkbox"/> 537 1_DW - DW EPA 537 1 List of 18 <input checked="" type="checkbox"/>	
Sample Identification Sample Date: 5/11/22 Sample Time: 1708 Sample Type (G=Comp, G=grab): G Matrix (W=Water, S=solid, O=Organic, A=Air): Water Preservation Code:		Total Number of containers: 8 Special Instructions/Note:	
MW-3D MW-3S MW-4D MW-4S MW-3S-FD 907 Becher 1h11-INT 907 Becher 1h11-FID 907 Becher 1h11-MID 907 Becher 1h11-EFF		Date: 5/18/22 Date/Time: 5/19/22 0810 Company: Stone Date/Time: 5/19/22 1025 Company: ETK/BA Date/Time:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: <u>Alexis Rice</u> Relinquished by: <u>Maria Ricci</u> Relinquished by: <u>Caroline Curran</u> Relinquished by:		Date: 5/18/22 Date/Time: 5/19/22 0810 Company: Stone Date/Time: 5/19/22 1025 Company: ETK/BA Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No		Received by: <u>Caroline Curran</u> Date/Time: 5/19/22 12:26 Company: ETK/BA Date/Time: 5/19/22 0815 Company: ETK-BV1 Date/Time:	
Cooler Temperature(s) °C and Other Remarks: 5.4 40.2 5.6		Method of Shipment:	



Client Information Client Contact: Ms. Katrina Mattice Company: Stone Environmental Address: 535 Stone Cutters Way City: Montpelier State, Zip: VT, 05602 Phone: 802-229-6434(Tel) Email: kmattice@stone-env.com Project Name: Town of Hinesburg Landfill - Hinesburg Site: Hinesburg, VT				Sample # APR/KRM	Lab PM: Huntley, Agnes R E-Mail: Agnes.Huntley@et.eurofins.com	Carrier Tracking No(s): VT	COC No: 620-3664-418 3 Page: 3 of 3
Due Date Requested TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 20211205 WO #: 20211205 Project #: 62000809 SSOW#:				Date: 5/18/22			
Sample Identification Sample Date: 5/18/22				Sample Time: 1400	Sample Type (G=comp, G=grab, B=Stream, A=Air):	Matrix (Water, Sediment, Soil, etc.):	Preservation Code: 2 DRinking Water
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Empty Kit Relinquished by: Heaven Rice				Date: 5/18/22			
Relinquished by: Ma... ..				Date/Time: 5/19/22 0810		Company: Stone	
Relinquished by: Ma... ..				Date/Time: 5/19/22 1025		Company: ERT-BV1	
Relinquished by:				Date/Time:		Company:	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No		Received by: Ma... .. Date/Time: 5/19/22 1226 Company: ENE	
Cooler Temperature(s) °C and Other Remarks: 5.4 to 25.6 #6							

Chain of Custody Record



Client Information (Sub Contract Lab)			Sampler:	Lab PM: Huntley, Agnes R	Carrier Tracking No(s):	COC No: 620-4244.1																																																																																																																																												
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 #: 620-4608-1																																																																																																																																												
Address: 2425 New Holland Pike,		Due Date Requested: 6/8/2022	Analysis Requested				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)																																																																																																																																											
City: Lancaster	TAT Requested (days):																																																																																																																																																	
State, Zip: PA, 17601	PO #:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">Field Filtered Sample (Yes or No)</td> <td style="width:5%;">Perform MS/MSD (Yes or No)</td> <td style="width:5%;">PFC_IDA/3535_PFC PFAS list of 24</td> <td style="width:5%;">410.4</td> <td style="width:5%;">300_ORGFM_28DV (MOD) Copy Analytes</td> <td style="width:5%;">537.1_DWI537.1_DW_Prep DW EPA 537.1 List of 18</td> <td style="width:5%;">524.2_Preserved/ (MOD) Regulated + THM's</td> <td style="width:5%;">Total Number of containers</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24	410.4	300_ORGFM_28DV (MOD) Copy Analytes	537.1_DWI537.1_DW_Prep DW EPA 537.1 List of 18	524.2_Preserved/ (MOD) Regulated + THM's	Total Number of containers																																																																																																																																				
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Phone: 717-656-2300(Tel)	WO #:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (Water, Solid, Sewage/Soil, BT=Tissue, A=Air)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>PFC_IDA/3535_PFC PFAS list of 24</th> <th>410.4</th> <th>300_ORGFM_28DV (MOD) Copy Analytes</th> <th>537.1_DWI537.1_DW_Prep DW EPA 537.1 List of 18</th> <th>524.2_Preserved/ (MOD) Regulated + THM's</th> <th>Total Number of containers</th> <th>Special Instructions/Note:</th> </tr> <tr> <td>MW-2S (620-4608-12)</td> <td>5/18/22</td> <td>14:50 Eastern</td> <td></td> <td>Water</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>152 Forest Edge Rd - INF (620-4608-14)</td> <td>5/17/22</td> <td>10:20 Eastern</td> <td></td> <td>Drinking Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>2</td> <td>VT VGES/MCL</td> </tr> <tr> <td>152 Forest Edge Rd - MID (620-4608-15)</td> <td>5/17/22</td> <td>10:18 Eastern</td> <td></td> <td>Drinking Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>2</td> <td>VT VGES/MCL</td> </tr> <tr> <td>152 Forest Edge Rd - EFF (620-4608-16)</td> <td>5/17/22</td> <td>10:18 Eastern</td> <td></td> <td>Drinking Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>2</td> <td>VT VGES/MCL</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Sewage/Soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24	410.4	300_ORGFM_28DV (MOD) Copy Analytes	537.1_DWI537.1_DW_Prep DW EPA 537.1 List of 18	524.2_Preserved/ (MOD) Regulated + THM's	Total Number of containers	Special Instructions/Note:	MW-2S (620-4608-12)	5/18/22	14:50 Eastern		Water			X	X	X			2		152 Forest Edge Rd - INF (620-4608-14)	5/17/22	10:20 Eastern		Drinking Water						X	X	2	VT VGES/MCL	152 Forest Edge Rd - MID (620-4608-15)	5/17/22	10:18 Eastern		Drinking Water						X	X	2	VT VGES/MCL	152 Forest Edge Rd - EFF (620-4608-16)	5/17/22	10:18 Eastern		Drinking Water						X	X	2	VT VGES/MCL																																																																						
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time					Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Sewage/Soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24	410.4	300_ORGFM_28DV (MOD) Copy Analytes	537.1_DWI537.1_DW_Prep DW EPA 537.1 List of 18	524.2_Preserved/ (MOD) Regulated + THM's	Total Number of containers	Special Instructions/Note:																																																																																																																																	
MW-2S (620-4608-12)	5/18/22	14:50 Eastern		Water			X	X	X			2																																																																																																																																						
152 Forest Edge Rd - INF (620-4608-14)	5/17/22	10:20 Eastern		Drinking Water						X	X	2	VT VGES/MCL																																																																																																																																					
152 Forest Edge Rd - MID (620-4608-15)	5/17/22	10:18 Eastern		Drinking Water						X	X	2	VT VGES/MCL																																																																																																																																					
152 Forest Edge Rd - EFF (620-4608-16)	5/17/22	10:18 Eastern		Drinking Water						X	X	2	VT VGES/MCL																																																																																																																																					
Project Name: Town of Hinesburg Landfill - Hinesburg,	Project #: 62000809		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="14"> Other: Other: </td> </tr> <tr> <td colspan="14"> Special Instructions/Note: </td> </tr> </table>				Other: Other:														Special Instructions/Note:																																																																																																																													
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Site:	SSOW#:		<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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: 5/25/22 18:15	Company: <i>[Signature]</i>	Received by: <i>[Signature]</i>																																																																																																																																													
Relinquished by:			Date/Time:	Company:	Received by:																																																																																																																																													
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Custody Seals Intact: Δ Yes Δ No			Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.3																																																																																																																																													

Eurofins New England

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

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-4245.1			
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 #: 620-4608-1			
Address: 2425 New Holland Pike,		Due Date Requested: 6/8/2022		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)	
City: Lancaster		TAT Requested (days):									
State, Zip: PA, 17601		PO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers			
Phone: 717-656-2300(Tel)		WO #:		PFC_IDA3535_PFC PFAS list of 24		300_ORGFM_28DI (MOD) Copy Analytes					
Email:		Project #: 62000809		BT=Tissue, A=Air		410.4		Special Instructions/Note:			
Project Name: Town of Hinesburg Landfill - Hinesburg,		SSOW#:		X		X					
Site:		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air)			
Sample Identification - Client ID (Lab ID)		MW-3S (620-4608-2)		5/11/22		15:52 Eastern		Water			
Preservation Code:		X		X		X		2			
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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: <i>5/11/22 18:15</i>		Company: <i>Evo</i>		Received by: <i>[Signature]</i>		Date/Time: <i>5/11/22 10:00</i>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time:			
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <i>0.3</i>						



Eurofins New England

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

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving				Sampler: Huntley, Agnes R		Lab PM: Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-4278.1																													
Phone: Shipping/Receiving				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 #: 620-4608-1																															
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email:		Due Date Requested: 6/8/2022 TAT Requested (days):		Analysis Requested								Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)																											
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:		Project #: 62000809 SSOW#:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">PFC_IDA/3535_PFC PFAS list of 24</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">410.4</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">300_ORGFM_28DI (MOD) Copy Analytes</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">524.2_Preserved (MOD) Regulated + THM's</th> <th colspan="5"></th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of containers</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24	410.4	300_ORGFM_28DI (MOD) Copy Analytes	537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18	524.2_Preserved (MOD) Regulated + THM's						Total Number of containers														Other: Z - other (specify)	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/3535_PFC PFAS list of 24	410.4	300_ORGFM_28DI (MOD) Copy Analytes	537.1_DWI/537.1_DW_Prep DW EPA 537.1 List of 18	524.2_Preserved (MOD) Regulated + THM's						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, D=waste/oil, BT=Tissue, A=Air)	Preservation Code:					Total Number of containers	Special Instructions/Note:																										
MW-3S (620-4608-2)			5/11/22	15:52 Eastern	Water		X	X	X			1																											
MW-2S (620-4608-12)			5/18/22	14:50 Eastern	Water		X	X	X			2																											
152 Forest Edge Rd - INF (620-4608-14)			5/17/22	10:20 Eastern	Drinking Water					X	X	3	VT VGES/MCL																										
152 Forest Edge Rd - MID (620-4608-15)			5/17/22	10:18 Eastern	Drinking Water					X	X	3	VT VGES/MCL																										
152 Forest Edge Rd - EFF (620-4608-16)			5/17/22	10:18 Eastern	Drinking Water					X	X	3	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 out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification Unconfirmed				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 5/12/22 8:08	Company: ENG	Received by:	Date/Time:	Company:		
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:		
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 5/12/22 10:20	Company: EMA		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 140				

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-4608-1

Login Number: 4608

List Source: Eurofins New England

List Number: 1

Creator: Makhoul, Elie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-4608-1

Login Number: 4608

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 05/26/22 06:49 PM

Creator: Phillips, Ann-Marie E

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

ANALYTICAL REPORT

Eurofins New England
646 Camp Ave
North Kingstown, RI 02852
Tel: (413)789-9018

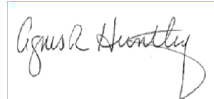
Laboratory Job ID: 620-5103-1

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

For:

Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Attn: Ms. Katrina Mattice



Authorized for release by:
7/6/2022 9:01:06 PM

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

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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



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Definitions/Glossary

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

Job ID: 620-5103-1

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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Definitions/Glossary

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

Job ID: 620-5103-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

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

Job ID: 620-5103-1

Job ID: 620-5103-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-5103-1

Comments

No additional comments.

Receipt

The samples were received on 6/14/2022 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.0° C.

Receipt Exceptions

One container for the following sample was received empty: EB-060922 (620-5103-10). (1) 250-mL unpreserved plastic bottle

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 620-11999 recovered outside control limits for the following analytes: Chlorobenzene, Benzene, Toluene, Methylene Chloride, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,4-Dichlorobenzene, and Ethylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; 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 analytes: Tetrahydrofuran, 2-Methyl-2-propanol, trans-1,4-Dichloro-2-butene, Isopropyl ether.
(CCVIS 620-11999/3)

Methods 8260, 8260C: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria. Affected analytes: 1,2-Dibromo-3-Chloropropane, Bromomethane, and Vinyl Chloride.
(CCVIS 620-12053/3)

Methods 8260, 8260C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 620-12053 recovered outside control limits for the following analytes: Vinyl Chloride and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for analytical batch 620-12053 recovered outside control limits for the following analyte: Bromoform, which has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260C: The laboratory control sample (LCS) for analytical batch 620-12053 recovered outside control limits for the following analytes: 1,1,1,2-Tetrachloroethane. Since the affected target compound was not detected in the samples and was within the method limit of 30%, the data have been reported and qualified.

Methods 8260, 8260C: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria. Affected analytes: 2-Methyl-2-propanol, Tetrahydrofuran, and trans-1,4-Dichloro-2-butene.
(CCVIS 620-12054/3)

Method 524.2: Volatile compounds have been detected above the RL for the following samples: 907 Bleacher-INF (620-5103-5) and 907 Bleacher-FD (620-5103-14). Since a field reagent blank/trip blank was not submitted, any potential contamination from the sampling/transport process cannot be assessed.

Case Narrative

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

Job ID: 620-5103-1

Job ID: 620-5103-1 (Continued)

Laboratory: Eurofins New England (Continued)

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

GC/MS Semi VOA

Methods 8270, 8270D: The large number of analytes included in the continuing calibration verification (CCV) (CCVIS 620-11959/3) 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 10% of the analytes of interest are outside the method-defined %D criteria. 2,4-Dinitrophenol, 4-Chloroaniline, Aniline and Pentachlorophenol

Method 8270D: The large number of analytes included in the continuing calibration verification (CCV) (CCVIS 620-12100/3) 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. 2,4-Dinitrophenol, 4-Chloroaniline, Aniline, Benzidine and Pentachlorophenol.

Method 8270D: The laboratory control sample (LCS) for preparation batch 620-11992 and analytical batch 620-11959 recovered outside control limits for the following analytes: 3,3'-Dichlorobenzidine, Benzidine, Benzoic acid and Phenol. The affected target analytes recovered within acceptance limits, >10%; therefore, demonstrates the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCS D) for preparation batch 620-11992 and analytical batch 620-11959 recovered outside control limits for the following analytes: Benzidine, Hexachlorocyclopentadiene and Nitrobenzene.

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

HPLC/IC

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

GC Semi VOA

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

Metals

Method 6010D: Due to the high concentration of sodium, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 620-11872 and analytical batch 620-11914 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

LCMS

Method 537 (modified): The recovery for the labeled isotope(s) M2-4:2 FTS and M2-6:2 FTS in the following samples: MW-1R (620-5103-1), MW-4D (620-5103-7) and MW-4D-FD (620-5103-8) 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 537 (modified): Reporting limits were raised for the following sample: EB-060922 (620-5103-10) due to limited sample volume.

Method 537 (modified): The recovery for the labeled isotope(s): M2-4:2 FTS, M2-6:2 FTS, M2-8:2 FTS, d3-NMePFOSA and d5-NEtPFOSA were outside the QC limits for the following sample: MW-4S (620-5103-6). The following action was taken: This sample was re-extracted outside of the required holding time and the recovery for labeled isotope(s) were again outside QC acceptance limits.

The recovery for the injection standard peak areas in the following sample: MW-4S (620-5103-6) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted outside the required holding time and the recovery for the injection standard peak areas is again outside the QC acceptance limits.

Method 537 (modified): The recovery for the labeled isotope(s): M2-4:2 FTS, M2-6:2 FTS, Perfluorobutanesulfonic acid, d9-N-EtFOSE-M, d3-NMePFOSA and d5-NEtPFOSA (s) in the following sample: MW-3D (620-5103-9) were outside the QC acceptance limits. The following

Case Narrative

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

Job ID: 620-5103-1

Job ID: 620-5103-1 (Continued)

Laboratory: Eurofins New England (Continued)

action was taken: This sample was re-extracted outside of the required holding time and the recovery for labeled isotope(s):M2-4:2 FTS, M2-6:2 FTS, Perfluorobutanesulfonic acid, d9-N-EtFOSE-M, d3-NMePFOSA and d5-NEtPFOSA were again outside QC acceptance limits.

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

General Chemistry

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

Organic Prep

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

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Detection Summary

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

Job ID: 620-5103-1

Client Sample ID: MW-1R

Lab Sample ID: 620-5103-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00710		0.00400	mg/L	1		6010D	Total/NA
Chromium	0.0158		0.00500	mg/L	1		6010D	Total/NA
Copper	0.0135		0.00500	mg/L	1		6010D	Total/NA
Iron	11.8		0.0500	mg/L	1		6010D	Total/NA
Lead	0.0104		0.00750	mg/L	1		6010D	Total/NA
Manganese	0.308		0.00500	mg/L	1		6010D	Total/NA
Nickel	0.0107		0.00500	mg/L	1		6010D	Total/NA
Sodium	3.64		0.750	mg/L	1		6010D	Total/NA
Zinc	0.0369		0.0250	mg/L	1		6010D	Total/NA

Client Sample ID: 907 Bleacher-FB

Lab Sample ID: 620-5103-2

No Detections.

Client Sample ID: 907 Bleacher-EFF

Lab Sample ID: 620-5103-3

No Detections.

Client Sample ID: 907 Bleacher-MID

Lab Sample ID: 620-5103-4

No Detections.

Client Sample ID: 907 Bleacher-INF

Lab Sample ID: 620-5103-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.84		0.500	ug/L	1		524.2	Total/NA
Ethyl ether	8.23		0.500	ug/L	1		524.2	Total/NA
Methyl tertiary butyl ether	0.847		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	18.8		7.00	ug/L	1		524.2	Total/NA
Perfluorohexanoic acid	16.1		1.62	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	9.89		1.62	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	29.2		1.62	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	2.40		1.62	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	6.66		1.62	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: MW-4S

Lab Sample ID: 620-5103-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.30		1.00	ug/L	1		8260C	Total/NA
Chlorobenzene	2.46		1.00	ug/L	1		8260C	Total/NA
Ethyl ether	7.11		1.00	ug/L	1		8260C	Total/NA
Chloride	8.70		2.00	mg/L	5		EPA 300.0 R2.1	Total/NA
Perfluorobutanoic acid	8.95		4.13	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	8.75		1.65	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	3.31		1.65	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	11.6		1.65	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	24.2		1.65	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	5.81		1.65	ng/L	1		537 IDA	Total/NA
Arsenic	0.201		0.00400	mg/L	1		6010D	Total/NA
Iron	13.0		0.0500	mg/L	1		6010D	Total/NA
Manganese	0.201		0.00500	mg/L	1		6010D	Total/NA
Nickel	0.0406		0.00500	mg/L	1		6010D	Total/NA
Sodium	18.5		0.750	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: 620-5103-1

Client Sample ID: MW-4D

Lab Sample ID: 620-5103-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane (Freon 12)	3.11		2.00	ug/L	1		8260C	Total/NA
Chloride	2.11		2.00	mg/L	5		EPA 300.0 R2.1	Total/NA
Copper	0.00560		0.00500	mg/L	1		6010D	Total/NA
Iron	3.80		0.0500	mg/L	1		6010D	Total/NA
Manganese	0.187		0.00500	mg/L	1		6010D	Total/NA
Sodium	9.33		0.750	mg/L	1		6010D	Total/NA

Client Sample ID: MW-4D-FD

Lab Sample ID: 620-5103-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane (Freon 12)	3.05		2.00	ug/L	1		8260C	Total/NA
Arsenic	0.00400		0.00400	mg/L	1		6010D	Total/NA
Chromium	0.00775		0.00500	mg/L	1		6010D	Total/NA
Copper	0.00820		0.00500	mg/L	1		6010D	Total/NA
Iron	7.12		0.0500	mg/L	1		6010D	Total/NA
Manganese	0.227		0.00500	mg/L	1		6010D	Total/NA
Nickel	0.00720		0.00500	mg/L	1		6010D	Total/NA
Chemical Oxygen Demand	241		188	mg/L	2.5		410.4	Total/NA

Client Sample ID: MW-3D

Lab Sample ID: 620-5103-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.08		1.00	ug/L	1		8260C	Total/NA
Tetrahydrofuran	19.8		2.00	ug/L	1		8260C	Total/NA
Ethyl ether	10.0		1.00	ug/L	1		8260C	Total/NA
Chloride	35.6		20.0	mg/L	50		EPA 300.0 R2.1	Total/NA
Perfluorobutanesulfonic acid	5.00		1.83	ng/L	1		537 IDA	Total/NA
Perfluorobutanoic acid	27.4		4.57	ng/L	1		537 IDA	Total/NA
Perfluoroheptanoic acid	42.1		1.83	ng/L	1		537 IDA	Total/NA
Perfluorohexanesulfonic acid	25.8		1.83	ng/L	1		537 IDA	Total/NA
Perfluorohexanoic acid	58.6		1.83	ng/L	1		537 IDA	Total/NA
Perfluorooctanesulfonic acid	4.78		1.83	ng/L	1		537 IDA	Total/NA
Perfluorooctanoic acid	119		1.83	ng/L	1		537 IDA	Total/NA
Perfluoropentanesulfonic acid	4.50		1.83	ng/L	1		537 IDA	Total/NA
Perfluoropentanoic acid	28.5		1.83	ng/L	1		537 IDA	Total/NA
6:2 Fluorotelomer sulfonic acid	24.5		4.57	ng/L	1		537 IDA	Total/NA
Arsenic	0.0140		0.00400	mg/L	1		6010D	Total/NA
Iron	4.03		0.0500	mg/L	1		6010D	Total/NA
Manganese	2.34		0.00500	mg/L	1		6010D	Total/NA
Nickel	0.0380		0.00500	mg/L	1		6010D	Total/NA
Sodium	75.4		0.750	mg/L	1		6010D	Total/NA

Client Sample ID: EB-060922

Lab Sample ID: 620-5103-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Sodium	3.61		0.750	mg/L	1		6010D	Total/NA

Client Sample ID: PW-060922

Lab Sample ID: 620-5103-11

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: 620-5103-1

Client Sample ID: 56 Forest Edge

Lab Sample ID: 620-5103-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.662		0.500	ug/L	1		524.2	Total/NA
Perfluorooctanoic acid	3.35		1.68	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	4.46		1.68	ng/L	1		EPA 537.1	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 620-5103-13

No Detections.

Client Sample ID: 907 Bleacher-FD

Lab Sample ID: 620-5103-14

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.82		0.500	ug/L	1		524.2	Total/NA
Ethyl ether	8.15		0.500	ug/L	1		524.2	Total/NA
Methyl tertiary butyl ether	0.909		0.500	ug/L	1		524.2	Total/NA
Tetrahydrofuran	19.0		7.00	ug/L	1		524.2	Total/NA
Perfluorohexanoic acid	15.3		1.63	ng/L	1		EPA 537.1	Total/NA
Perfluoroheptanoic acid	9.65		1.63	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid	28.5		1.63	ng/L	1		EPA 537.1	Total/NA
Perfluorobutanesulfonic acid	2.45		1.63	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanesulfonic acid	6.58		1.63	ng/L	1		EPA 537.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-1R

Lab Sample ID: 620-5103-1

Date Collected: 06/07/22 11:35

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/17/22 20:37	1
Acetone	ND		10.0	ug/L			06/17/22 20:37	1
Acrylonitrile	ND		0.500	ug/L			06/17/22 20:37	1
Benzene	ND		1.00	ug/L			06/17/22 20:37	1
Bromobenzene	ND		1.00	ug/L			06/17/22 20:37	1
Bromochloromethane	ND		1.00	ug/L			06/17/22 20:37	1
Bromodichloromethane	ND		0.500	ug/L			06/17/22 20:37	1
Bromoform	ND		1.00	ug/L			06/17/22 20:37	1
Bromomethane	ND		2.00	ug/L			06/17/22 20:37	1
2-Butanone (MEK)	ND		2.00	ug/L			06/17/22 20:37	1
n-Butylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
sec-Butylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
tert-Butylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
Carbon disulfide	ND		2.00	ug/L			06/17/22 20:37	1
Carbon tetrachloride	ND		1.00	ug/L			06/17/22 20:37	1
Chlorobenzene	ND		1.00	ug/L			06/17/22 20:37	1
Chloroethane	ND		2.00	ug/L			06/17/22 20:37	1
Chloroform	ND		1.00	ug/L			06/17/22 20:37	1
Chloromethane	ND		2.00	ug/L			06/17/22 20:37	1
2-Chlorotoluene	ND		1.00	ug/L			06/17/22 20:37	1
4-Chlorotoluene	ND		1.00	ug/L			06/17/22 20:37	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/17/22 20:37	1
Dibromochloromethane	ND		0.500	ug/L			06/17/22 20:37	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/17/22 20:37	1
Dibromomethane	ND		1.00	ug/L			06/17/22 20:37	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/17/22 20:37	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/17/22 20:37	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/17/22 20:37	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/17/22 20:37	1
1,1-Dichloroethane	ND		1.00	ug/L			06/17/22 20:37	1
1,2-Dichloroethane	ND		1.00	ug/L			06/17/22 20:37	1
1,1-Dichloroethene	ND		1.00	ug/L			06/17/22 20:37	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 20:37	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 20:37	1
1,2-Dichloropropane	ND		1.00	ug/L			06/17/22 20:37	1
1,3-Dichloropropane	ND		1.00	ug/L			06/17/22 20:37	1
2,2-Dichloropropane	ND		1.00	ug/L			06/17/22 20:37	1
1,1-Dichloropropene	ND		1.00	ug/L			06/17/22 20:37	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 20:37	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 20:37	1
Ethylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
Hexachlorobutadiene	ND		1.00	ug/L			06/17/22 20:37	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/17/22 20:37	1
Isopropylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
4-Isopropyltoluene	ND		1.00	ug/L			06/17/22 20:37	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/17/22 20:37	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/17/22 20:37	1
Methylene Chloride	ND		2.00	ug/L			06/17/22 20:37	1
Naphthalene	ND		2.00	ug/L			06/17/22 20:37	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-1R

Lab Sample ID: 620-5103-1

Date Collected: 06/07/22 11:35

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
Styrene	ND		1.00	ug/L			06/17/22 20:37	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/17/22 20:37	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/17/22 20:37	1
Tetrachloroethene	ND		1.00	ug/L			06/17/22 20:37	1
Toluene	ND		1.00	ug/L			06/17/22 20:37	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/17/22 20:37	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/17/22 20:37	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/17/22 20:37	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/17/22 20:37	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/17/22 20:37	1
Trichloroethene	ND		1.00	ug/L			06/17/22 20:37	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/17/22 20:37	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/17/22 20:37	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/17/22 20:37	1
Vinyl chloride	ND		1.00	ug/L			06/17/22 20:37	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/17/22 20:37	1
o-Xylene	ND		1.00	ug/L			06/17/22 20:37	1
Tetrahydrofuran	ND		2.00	ug/L			06/17/22 20:37	1
Ethyl ether	ND		1.00	ug/L			06/17/22 20:37	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/17/22 20:37	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/17/22 20:37	1
di-Isopropyl ether	ND		1.00	ug/L			06/17/22 20:37	1
tert-Butanol	ND		10.0	ug/L			06/17/22 20:37	1
1,4-Dioxane	ND		50.0	ug/L			06/17/22 20:37	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/17/22 20:37	1
Ethanol	ND		200	ug/L			06/17/22 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		06/17/22 20:37	1
Toluene-d8 (Surr)	97		70 - 130		06/17/22 20:37	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		06/17/22 20:37	1
Dibromofluoromethane (Surr)	101		70 - 130		06/17/22 20:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	mg/L			06/30/22 05:58	5

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.42	ng/L		06/17/22 15:17	06/23/22 06:50	1
NMeFOSAA	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorobutanesulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorobutanoic acid	ND		4.03	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorodecanesulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorodecanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorododecanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluoroheptanesulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluoroheptanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-1R

Lab Sample ID: 620-5103-1

Date Collected: 06/07/22 11:35

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorohexanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorononanesulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorononanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorooctanesulfonamide	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorooctanesulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorooctanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluoropentanesulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluoropentanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorotetradecanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluorotridecanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
Perfluoroundecanoic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1
6:2 Fluorotelomer sulfonic acid	ND		4.03	ng/L		06/17/22 15:17	06/23/22 06:50	1
8:2 Fluorotelomer sulfonic acid	ND		2.42	ng/L		06/17/22 15:17	06/23/22 06:50	1
4:2 Fluorotelomer sulfonic acid	ND		1.61	ng/L		06/17/22 15:17	06/23/22 06:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	500	*5+	10 - 200	06/17/22 15:17	06/23/22 06:50	1
M2-6:2 FTS	223	*5+	17 - 200	06/17/22 15:17	06/23/22 06:50	1
M2-8:2 FTS	121		33 - 200	06/17/22 15:17	06/23/22 06:50	1
13C2 PFTeDA	54		10 - 179	06/17/22 15:17	06/23/22 06:50	1
13C3 HFPO-DA	88		17 - 185	06/17/22 15:17	06/23/22 06:50	1
13C3 PFBS	99		16 - 200	06/17/22 15:17	06/23/22 06:50	1
13C4 PFBA	103		42 - 165	06/17/22 15:17	06/23/22 06:50	1
13C4 PFHpA	122		31 - 182	06/17/22 15:17	06/23/22 06:50	1
13C5 PFPeA	115		38 - 187	06/17/22 15:17	06/23/22 06:50	1
13C8 PFOA	115		48 - 162	06/17/22 15:17	06/23/22 06:50	1
13C8 PFOS	92		51 - 159	06/17/22 15:17	06/23/22 06:50	1
d3-NMeFOSAA	105		31 - 174	06/17/22 15:17	06/23/22 06:50	1
d5-NEtFOSAA	111		29 - 195	06/17/22 15:17	06/23/22 06:50	1
d9-N-EtFOSE-M	65		10 - 177	06/17/22 15:17	06/23/22 06:50	1
13C3 PFHxS	107		28 - 188	06/17/22 15:17	06/23/22 06:50	1
13C5 PFHxA	125		24 - 179	06/17/22 15:17	06/23/22 06:50	1
13C6 PFDA	104		49 - 163	06/17/22 15:17	06/23/22 06:50	1
13C7 PFUnA	99		34 - 174	06/17/22 15:17	06/23/22 06:50	1
d3-NMePFOSA	37		10 - 155	06/17/22 15:17	06/23/22 06:50	1
d5-NEtPFOSA	39		10 - 159	06/17/22 15:17	06/23/22 06:50	1
13C8 FOSA	82		10 - 168	06/17/22 15:17	06/23/22 06:50	1
13C2-PFDoDA	87		17 - 176	06/17/22 15:17	06/23/22 06:50	1
13C9 PFNA	95		51 - 167	06/17/22 15:17	06/23/22 06:50	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00710		0.00400	mg/L		06/14/22 14:16	06/15/22 17:36	1
Cadmium	ND		0.00250	mg/L		06/14/22 14:16	06/15/22 17:36	1
Chromium	0.0158		0.00500	mg/L		06/14/22 14:16	06/15/22 17:36	1
Copper	0.0135		0.00500	mg/L		06/14/22 14:16	06/15/22 17:36	1
Iron	11.8		0.0500	mg/L		06/14/22 14:16	06/15/22 17:36	1
Lead	0.0104		0.00750	mg/L		06/14/22 14:16	06/15/22 17:36	1
Manganese	0.308		0.00500	mg/L		06/14/22 14:16	06/15/22 17:36	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-1R
Date Collected: 06/07/22 11:35
Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-1
Matrix: Water

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0107		0.00500	mg/L		06/14/22 14:16	06/15/22 17:36	1
Sodium	3.64		0.750	mg/L		06/14/22 14:16	06/15/22 17:36	1
Zinc	0.0369		0.0250	mg/L		06/14/22 14:16	06/15/22 17:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/15/22 10:57	06/15/22 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/17/22 03:15	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: 620-5103-1

Client Sample ID: 907 Bleacher-FB

Lab Sample ID: 620-5103-2

Date Collected: 06/07/22 14:28

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluoroheptanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorooctanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorononanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorodecanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorotridecanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorotetradecanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorobutanesulfonic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorohexanesulfonic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorooctanesulfonic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
NEtFOSAA	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
NMeFOSAA	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluoroundecanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Perfluorododecanoic acid	ND		1.59	ng/L		06/17/22 10:29	06/21/22 14:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130			06/17/22 10:29	06/21/22 14:26	1
13C2 PFHxA	91		70 - 130			06/17/22 10:29	06/21/22 14:26	1
13C3 HFPO-DA	99		70 - 130			06/17/22 10:29	06/21/22 14:26	1
d5-NEtFOSAA	101		70 - 130			06/17/22 10:29	06/21/22 14:26	1

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-EFF

Lab Sample ID: 620-5103-3

Date Collected: 06/07/22 14:30

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 15:52	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/16/22 15:52	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 15:52	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/16/22 15:52	1
1,1-Dichloroethane	ND		0.500	ug/L			06/16/22 15:52	1
1,1-Dichloroethene	ND		0.500	ug/L			06/16/22 15:52	1
1,1-Dichloropropene	ND		0.500	ug/L			06/16/22 15:52	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/16/22 15:52	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/16/22 15:52	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/16/22 15:52	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/16/22 15:52	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/16/22 15:52	1
1,2-Dibromoethane	ND		0.500	ug/L			06/16/22 15:52	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/16/22 15:52	1
1,2-Dichloroethane	ND		0.500	ug/L			06/16/22 15:52	1
1,2-Dichloropropane	ND		0.500	ug/L			06/16/22 15:52	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/16/22 15:52	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/16/22 15:52	1
1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 15:52	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/16/22 15:52	1
2,2-Dichloropropane	ND		0.500	ug/L			06/16/22 15:52	1
2-Butanone	ND		5.00	ug/L			06/16/22 15:52	1
2-Chlorotoluene	ND		0.500	ug/L			06/16/22 15:52	1
2-Hexanone	ND		5.00	ug/L			06/16/22 15:52	1
4-Chlorotoluene	ND		0.500	ug/L			06/16/22 15:52	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/16/22 15:52	1
Acetone	ND		10.0	ug/L			06/16/22 15:52	1
Acrylonitrile	ND		10.0	ug/L			06/16/22 15:52	1
Benzene	ND		0.500	ug/L			06/16/22 15:52	1
Bromobenzene	ND		0.500	ug/L			06/16/22 15:52	1
Bromochloromethane	ND		0.500	ug/L			06/16/22 15:52	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 15:52	1
Bromoform	ND		0.500	ug/L			06/16/22 15:52	1
Bromomethane	ND		0.500	ug/L			06/16/22 15:52	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 15:52	1
Carbon tetrachloride	ND		0.500	ug/L			06/16/22 15:52	1
Chlorobenzene	ND		0.500	ug/L			06/16/22 15:52	1
Chloroethane	ND		0.500	ug/L			06/16/22 15:52	1
Chloroform	ND		0.500	ug/L			06/16/22 15:52	1
Chloromethane	ND		0.500	ug/L			06/16/22 15:52	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 15:52	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 15:52	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 15:52	1
Dibromomethane	ND		0.500	ug/L			06/16/22 15:52	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/16/22 15:52	1
di-Isopropyl ether	ND		0.500	ug/L			06/16/22 15:52	1
Ethyl ether	ND		0.500	ug/L			06/16/22 15:52	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/16/22 15:52	1
Ethylbenzene	ND		0.500	ug/L			06/16/22 15:52	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-EFF

Lab Sample ID: 620-5103-3

Date Collected: 06/07/22 14:30

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/16/22 15:52	1
Hexachlorobutadiene	ND		0.500	ug/L			06/16/22 15:52	1
Isopropylbenzene	ND		0.500	ug/L			06/16/22 15:52	1
m&p-Xylene	ND		1.00	ug/L			06/16/22 15:52	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/16/22 15:52	1
Methylene Chloride	ND		0.500	ug/L			06/16/22 15:52	1
Naphthalene	ND		0.500	ug/L			06/16/22 15:52	1
n-Butylbenzene	ND		0.500	ug/L			06/16/22 15:52	1
N-Propylbenzene	ND		0.500	ug/L			06/16/22 15:52	1
o-Xylene	ND		0.500	ug/L			06/16/22 15:52	1
p-Isopropyltoluene	ND		0.500	ug/L			06/16/22 15:52	1
sec-Butylbenzene	ND		0.500	ug/L			06/16/22 15:52	1
Styrene	ND		0.500	ug/L			06/16/22 15:52	1
t-Amyl methyl ether	ND		0.500	ug/L			06/16/22 15:52	1
t-Butyl alcohol	ND		25.0	ug/L			06/16/22 15:52	1
tert-Butylbenzene	ND		0.500	ug/L			06/16/22 15:52	1
Tetrachloroethene	ND		0.500	ug/L			06/16/22 15:52	1
Tetrahydrofuran	ND		7.00	ug/L			06/16/22 15:52	1
Toluene	ND		0.500	ug/L			06/16/22 15:52	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 15:52	1
Trichloroethene	ND		0.500	ug/L			06/16/22 15:52	1
Trichlorofluoromethane	ND		0.500	ug/L			06/16/22 15:52	1
Vinyl chloride	ND		0.500	ug/L			06/16/22 15:52	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	94		80 - 120		06/16/22 15:52	1
4-Bromofluorobenzene (Surr)	86		80 - 120		06/16/22 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		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluoroheptanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorooctanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorononanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorodecanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorotridecanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorotetradecanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorobutanesulfonic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorohexanesulfonic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorooctanesulfonic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
NEtFOSAA	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
NMeFOSAA	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluoroundecanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1
Perfluorododecanoic acid	ND		1.65	ng/L		06/17/22 10:29	06/21/22 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	106		70 - 130	06/17/22 10:29	06/21/22 14:38	1
13C2 PFHxA	102		70 - 130	06/17/22 10:29	06/21/22 14:38	1
13C3 HFPO-DA	103		70 - 130	06/17/22 10:29	06/21/22 14:38	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-EFF

Lab Sample ID: 620-5103-3

Date Collected: 06/07/22 14:30

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	108		70 - 130	06/17/22 10:29	06/21/22 14:38	1

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-MID

Lab Sample ID: 620-5103-4

Date Collected: 06/07/22 14:34

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 16:15	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/16/22 16:15	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 16:15	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/16/22 16:15	1
1,1-Dichloroethane	ND		0.500	ug/L			06/16/22 16:15	1
1,1-Dichloroethene	ND		0.500	ug/L			06/16/22 16:15	1
1,1-Dichloropropene	ND		0.500	ug/L			06/16/22 16:15	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/16/22 16:15	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/16/22 16:15	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/16/22 16:15	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/16/22 16:15	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/16/22 16:15	1
1,2-Dibromoethane	ND		0.500	ug/L			06/16/22 16:15	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:15	1
1,2-Dichloroethane	ND		0.500	ug/L			06/16/22 16:15	1
1,2-Dichloropropane	ND		0.500	ug/L			06/16/22 16:15	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/16/22 16:15	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:15	1
1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 16:15	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:15	1
2,2-Dichloropropane	ND		0.500	ug/L			06/16/22 16:15	1
2-Butanone	ND		5.00	ug/L			06/16/22 16:15	1
2-Chlorotoluene	ND		0.500	ug/L			06/16/22 16:15	1
2-Hexanone	ND		5.00	ug/L			06/16/22 16:15	1
4-Chlorotoluene	ND		0.500	ug/L			06/16/22 16:15	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/16/22 16:15	1
Acetone	ND		10.0	ug/L			06/16/22 16:15	1
Acrylonitrile	ND		10.0	ug/L			06/16/22 16:15	1
Benzene	ND		0.500	ug/L			06/16/22 16:15	1
Bromobenzene	ND		0.500	ug/L			06/16/22 16:15	1
Bromochloromethane	ND		0.500	ug/L			06/16/22 16:15	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 16:15	1
Bromoform	ND		0.500	ug/L			06/16/22 16:15	1
Bromomethane	ND		0.500	ug/L			06/16/22 16:15	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 16:15	1
Carbon tetrachloride	ND		0.500	ug/L			06/16/22 16:15	1
Chlorobenzene	ND		0.500	ug/L			06/16/22 16:15	1
Chloroethane	ND		0.500	ug/L			06/16/22 16:15	1
Chloroform	ND		0.500	ug/L			06/16/22 16:15	1
Chloromethane	ND		0.500	ug/L			06/16/22 16:15	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 16:15	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 16:15	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 16:15	1
Dibromomethane	ND		0.500	ug/L			06/16/22 16:15	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/16/22 16:15	1
di-Isopropyl ether	ND		0.500	ug/L			06/16/22 16:15	1
Ethyl ether	ND		0.500	ug/L			06/16/22 16:15	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/16/22 16:15	1
Ethylbenzene	ND		0.500	ug/L			06/16/22 16:15	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-MID

Lab Sample ID: 620-5103-4

Date Collected: 06/07/22 14:34

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/16/22 16:15	1
Hexachlorobutadiene	ND		0.500	ug/L			06/16/22 16:15	1
Isopropylbenzene	ND		0.500	ug/L			06/16/22 16:15	1
m&p-Xylene	ND		1.00	ug/L			06/16/22 16:15	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/16/22 16:15	1
Methylene Chloride	ND		0.500	ug/L			06/16/22 16:15	1
Naphthalene	ND		0.500	ug/L			06/16/22 16:15	1
n-Butylbenzene	ND		0.500	ug/L			06/16/22 16:15	1
N-Propylbenzene	ND		0.500	ug/L			06/16/22 16:15	1
o-Xylene	ND		0.500	ug/L			06/16/22 16:15	1
p-Isopropyltoluene	ND		0.500	ug/L			06/16/22 16:15	1
sec-Butylbenzene	ND		0.500	ug/L			06/16/22 16:15	1
Styrene	ND		0.500	ug/L			06/16/22 16:15	1
t-Amyl methyl ether	ND		0.500	ug/L			06/16/22 16:15	1
t-Butyl alcohol	ND		25.0	ug/L			06/16/22 16:15	1
tert-Butylbenzene	ND		0.500	ug/L			06/16/22 16:15	1
Tetrachloroethene	ND		0.500	ug/L			06/16/22 16:15	1
Tetrahydrofuran	ND		7.00	ug/L			06/16/22 16:15	1
Toluene	ND		0.500	ug/L			06/16/22 16:15	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 16:15	1
Trichloroethene	ND		0.500	ug/L			06/16/22 16:15	1
Trichlorofluoromethane	ND		0.500	ug/L			06/16/22 16:15	1
Vinyl chloride	ND		0.500	ug/L			06/16/22 16:15	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	94		80 - 120		06/16/22 16:15	1
4-Bromofluorobenzene (Surr)	86		80 - 120		06/16/22 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	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluoroheptanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorooctanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorononanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorodecanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorotridecanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorotetradecanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorobutanesulfonic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorohexanesulfonic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorooctanesulfonic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
NEtFOSAA	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
NMeFOSAA	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluoroundecanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1
Perfluorododecanoic acid	ND		1.60	ng/L		06/17/22 10:29	06/21/22 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	109		70 - 130	06/17/22 10:29	06/21/22 14:49	1
13C2 PFHxA	106		70 - 130	06/17/22 10:29	06/21/22 14:49	1
13C3 HFPO-DA	111		70 - 130	06/17/22 10:29	06/21/22 14:49	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-MID

Lab Sample ID: 620-5103-4

Date Collected: 06/07/22 14:34

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	109		70 - 130	06/17/22 10:29	06/21/22 14:49	1

- 1
- 2
- 3
- 4
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- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-INF

Lab Sample ID: 620-5103-5

Date Collected: 06/07/22 14:38

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 16:37	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/16/22 16:37	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 16:37	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/16/22 16:37	1
1,1-Dichloroethane	ND		0.500	ug/L			06/16/22 16:37	1
1,1-Dichloroethene	ND		0.500	ug/L			06/16/22 16:37	1
1,1-Dichloropropene	ND		0.500	ug/L			06/16/22 16:37	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/16/22 16:37	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/16/22 16:37	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/16/22 16:37	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/16/22 16:37	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/16/22 16:37	1
1,2-Dibromoethane	ND		0.500	ug/L			06/16/22 16:37	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:37	1
1,2-Dichloroethane	ND		0.500	ug/L			06/16/22 16:37	1
1,2-Dichloropropane	ND		0.500	ug/L			06/16/22 16:37	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/16/22 16:37	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:37	1
1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 16:37	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:37	1
2,2-Dichloropropane	ND		0.500	ug/L			06/16/22 16:37	1
2-Butanone	ND		5.00	ug/L			06/16/22 16:37	1
2-Chlorotoluene	ND		0.500	ug/L			06/16/22 16:37	1
2-Hexanone	ND		5.00	ug/L			06/16/22 16:37	1
4-Chlorotoluene	ND		0.500	ug/L			06/16/22 16:37	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/16/22 16:37	1
Acetone	ND		10.0	ug/L			06/16/22 16:37	1
Acrylonitrile	ND		10.0	ug/L			06/16/22 16:37	1
Benzene	ND		0.500	ug/L			06/16/22 16:37	1
Bromobenzene	ND		0.500	ug/L			06/16/22 16:37	1
Bromochloromethane	ND		0.500	ug/L			06/16/22 16:37	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 16:37	1
Bromoform	ND		0.500	ug/L			06/16/22 16:37	1
Bromomethane	ND		0.500	ug/L			06/16/22 16:37	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 16:37	1
Carbon tetrachloride	ND		0.500	ug/L			06/16/22 16:37	1
Chlorobenzene	ND		0.500	ug/L			06/16/22 16:37	1
Chloroethane	ND		0.500	ug/L			06/16/22 16:37	1
Chloroform	ND		0.500	ug/L			06/16/22 16:37	1
Chloromethane	ND		0.500	ug/L			06/16/22 16:37	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 16:37	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 16:37	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 16:37	1
Dibromomethane	ND		0.500	ug/L			06/16/22 16:37	1
Dichlorodifluoromethane	2.84		0.500	ug/L			06/16/22 16:37	1
di-Isopropyl ether	ND		0.500	ug/L			06/16/22 16:37	1
Ethyl ether	8.23		0.500	ug/L			06/16/22 16:37	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/16/22 16:37	1
Ethylbenzene	ND		0.500	ug/L			06/16/22 16:37	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-INF

Lab Sample ID: 620-5103-5

Date Collected: 06/07/22 14:38

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/16/22 16:37	1
Hexachlorobutadiene	ND		0.500	ug/L			06/16/22 16:37	1
Isopropylbenzene	ND		0.500	ug/L			06/16/22 16:37	1
m&p-Xylene	ND		1.00	ug/L			06/16/22 16:37	1
Methyl tertiary butyl ether	0.847		0.500	ug/L			06/16/22 16:37	1
Methylene Chloride	ND		0.500	ug/L			06/16/22 16:37	1
Naphthalene	ND		0.500	ug/L			06/16/22 16:37	1
n-Butylbenzene	ND		0.500	ug/L			06/16/22 16:37	1
N-Propylbenzene	ND		0.500	ug/L			06/16/22 16:37	1
o-Xylene	ND		0.500	ug/L			06/16/22 16:37	1
p-Isopropyltoluene	ND		0.500	ug/L			06/16/22 16:37	1
sec-Butylbenzene	ND		0.500	ug/L			06/16/22 16:37	1
Styrene	ND		0.500	ug/L			06/16/22 16:37	1
t-Amyl methyl ether	ND		0.500	ug/L			06/16/22 16:37	1
t-Butyl alcohol	ND		25.0	ug/L			06/16/22 16:37	1
tert-Butylbenzene	ND		0.500	ug/L			06/16/22 16:37	1
Tetrachloroethene	ND		0.500	ug/L			06/16/22 16:37	1
Tetrahydrofuran	18.8		7.00	ug/L			06/16/22 16:37	1
Toluene	ND		0.500	ug/L			06/16/22 16:37	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 16:37	1
Trichloroethene	ND		0.500	ug/L			06/16/22 16:37	1
Trichlorofluoromethane	ND		0.500	ug/L			06/16/22 16:37	1
Vinyl chloride	ND		0.500	ug/L			06/16/22 16:37	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	93		80 - 120		06/16/22 16:37	1
4-Bromofluorobenzene (Surr)	85		80 - 120		06/16/22 16:37	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	16.1		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluoroheptanoic acid	9.89		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorooctanoic acid	29.2		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorononanoic acid	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorodecanoic acid	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorotridecanoic acid	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorotetradecanoic acid	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorobutanesulfonic acid	2.40		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorohexanesulfonic acid	6.66		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorooctanesulfonic acid	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
NEtFOSAA	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
NMeFOSAA	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluoroundecanoic acid	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1
Perfluorododecanoic acid	ND		1.62	ng/L		06/17/22 10:29	06/21/22 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130	06/17/22 10:29	06/21/22 15:01	1
13C2 PFHxA	108		70 - 130	06/17/22 10:29	06/21/22 15:01	1
13C3 HFPO-DA	114		70 - 130	06/17/22 10:29	06/21/22 15:01	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-INF

Lab Sample ID: 620-5103-5

Date Collected: 06/07/22 14:38

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	93		70 - 130	06/17/22 10:29	06/21/22 15:01	1

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

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4S

Lab Sample ID: 620-5103-6

Date Collected: 06/07/22 15:45

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/17/22 21:04	1
Acetone	ND		10.0	ug/L			06/17/22 21:04	1
Acrylonitrile	ND		0.500	ug/L			06/17/22 21:04	1
Benzene	2.30		1.00	ug/L			06/17/22 21:04	1
Bromobenzene	ND		1.00	ug/L			06/17/22 21:04	1
Bromochloromethane	ND		1.00	ug/L			06/17/22 21:04	1
Bromodichloromethane	ND		0.500	ug/L			06/17/22 21:04	1
Bromoform	ND		1.00	ug/L			06/17/22 21:04	1
Bromomethane	ND		2.00	ug/L			06/17/22 21:04	1
2-Butanone (MEK)	ND		2.00	ug/L			06/17/22 21:04	1
n-Butylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
sec-Butylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
tert-Butylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
Carbon disulfide	ND		2.00	ug/L			06/17/22 21:04	1
Carbon tetrachloride	ND		1.00	ug/L			06/17/22 21:04	1
Chlorobenzene	2.46		1.00	ug/L			06/17/22 21:04	1
Chloroethane	ND		2.00	ug/L			06/17/22 21:04	1
Chloroform	ND		1.00	ug/L			06/17/22 21:04	1
Chloromethane	ND		2.00	ug/L			06/17/22 21:04	1
2-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:04	1
4-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:04	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/17/22 21:04	1
Dibromochloromethane	ND		0.500	ug/L			06/17/22 21:04	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/17/22 21:04	1
Dibromomethane	ND		1.00	ug/L			06/17/22 21:04	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:04	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:04	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:04	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/17/22 21:04	1
1,1-Dichloroethane	ND		1.00	ug/L			06/17/22 21:04	1
1,2-Dichloroethane	ND		1.00	ug/L			06/17/22 21:04	1
1,1-Dichloroethene	ND		1.00	ug/L			06/17/22 21:04	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:04	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:04	1
1,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:04	1
1,3-Dichloropropane	ND		1.00	ug/L			06/17/22 21:04	1
2,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:04	1
1,1-Dichloropropene	ND		1.00	ug/L			06/17/22 21:04	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:04	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:04	1
Ethylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
Hexachlorobutadiene	ND		1.00	ug/L			06/17/22 21:04	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/17/22 21:04	1
Isopropylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
4-Isopropyltoluene	ND		1.00	ug/L			06/17/22 21:04	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:04	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/17/22 21:04	1
Methylene Chloride	ND		2.00	ug/L			06/17/22 21:04	1
Naphthalene	ND		2.00	ug/L			06/17/22 21:04	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4S

Lab Sample ID: 620-5103-6

Date Collected: 06/07/22 15:45

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
Styrene	ND		1.00	ug/L			06/17/22 21:04	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/17/22 21:04	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/17/22 21:04	1
Tetrachloroethene	ND		1.00	ug/L			06/17/22 21:04	1
Toluene	ND		1.00	ug/L			06/17/22 21:04	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:04	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:04	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:04	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/17/22 21:04	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/17/22 21:04	1
Trichloroethene	ND		1.00	ug/L			06/17/22 21:04	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/17/22 21:04	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/17/22 21:04	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:04	1
Vinyl chloride	ND		1.00	ug/L			06/17/22 21:04	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/17/22 21:04	1
o-Xylene	ND		1.00	ug/L			06/17/22 21:04	1
Tetrahydrofuran	ND		2.00	ug/L			06/17/22 21:04	1
Ethyl ether	7.11		1.00	ug/L			06/17/22 21:04	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/17/22 21:04	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:04	1
di-Isopropyl ether	ND		1.00	ug/L			06/17/22 21:04	1
tert-Butanol	ND		10.0	ug/L			06/17/22 21:04	1
1,4-Dioxane	ND		50.0	ug/L			06/17/22 21:04	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/17/22 21:04	1
Ethanol	ND		200	ug/L			06/17/22 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		06/17/22 21:04	1
Toluene-d8 (Surr)	98		70 - 130		06/17/22 21:04	1
1,2-Dichloroethane-d4 (Surr)	87		70 - 130		06/17/22 21:04	1
Dibromofluoromethane (Surr)	99		70 - 130		06/17/22 21:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.70		2.00	mg/L			06/29/22 21:58	5

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.48	ng/L		06/17/22 15:17	06/23/22 07:02	1
NMeFOSAA	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorobutanesulfonic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorobutanoic acid	8.95		4.13	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorodecanesulfonic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorodecanoic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorododecanoic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluoroheptanesulfonic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluoroheptanoic acid	8.75		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4S

Lab Sample ID: 620-5103-6

Date Collected: 06/07/22 15:45

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	3.31		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorohexanoic acid	11.6		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorononanesulfonic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorononanoic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorooctanesulfonamide	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorooctanesulfonic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorooctanoic acid	24.2		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluoropentanesulfonic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluoropentanoic acid	5.81		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorotetradecanoic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluorotridecanoic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
Perfluoroundecanoic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1
6:2 Fluorotelomer sulfonic acid	ND		4.13	ng/L		06/17/22 15:17	06/23/22 07:02	1
8:2 Fluorotelomer sulfonic acid	ND		2.48	ng/L		06/17/22 15:17	06/23/22 07:02	1
4:2 Fluorotelomer sulfonic acid	ND		1.65	ng/L		06/17/22 15:17	06/23/22 07:02	1

Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	493	*5+	10 - 200			06/17/22 15:17	06/23/22 07:02	1
M2-6:2 FTS	379	*5+	17 - 200			06/17/22 15:17	06/23/22 07:02	1
M2-8:2 FTS	224	*5+	33 - 200			06/17/22 15:17	06/23/22 07:02	1
13C2 PFTeDA	28		10 - 179			06/17/22 15:17	06/23/22 07:02	1
13C3 HFPO-DA	76		17 - 185			06/17/22 15:17	06/23/22 07:02	1
13C3 PFBS	178		16 - 200			06/17/22 15:17	06/23/22 07:02	1
13C4 PFBA	96		42 - 165			06/17/22 15:17	06/23/22 07:02	1
13C4 PFHpA	107		31 - 182			06/17/22 15:17	06/23/22 07:02	1
13C5 PFPeA	127		38 - 187			06/17/22 15:17	06/23/22 07:02	1
13C8 PFOA	98		48 - 162			06/17/22 15:17	06/23/22 07:02	1
13C8 PFOS	81		51 - 159			06/17/22 15:17	06/23/22 07:02	1
d3-NMeFOSAA	97		31 - 174			06/17/22 15:17	06/23/22 07:02	1
d5-NEtFOSAA	90		29 - 195			06/17/22 15:17	06/23/22 07:02	1
d9-N-EtFOSE-M	14		10 - 177			06/17/22 15:17	06/23/22 07:02	1
13C3 PFHxS	141		28 - 188			06/17/22 15:17	06/23/22 07:02	1
13C5 PFHxA	103		24 - 179			06/17/22 15:17	06/23/22 07:02	1
13C6 PFDA	87		49 - 163			06/17/22 15:17	06/23/22 07:02	1
13C7 PFUnA	84		34 - 174			06/17/22 15:17	06/23/22 07:02	1
d3-NMePFOSA	3	*5-	10 - 155			06/17/22 15:17	06/23/22 07:02	1
d5-NEtPFOSA	2	*5-	10 - 159			06/17/22 15:17	06/23/22 07:02	1
13C8 FOSA	58		10 - 168			06/17/22 15:17	06/23/22 07:02	1
13C2-PFDoDA	68		17 - 176			06/17/22 15:17	06/23/22 07:02	1
13C9 PFNA	69		51 - 167			06/17/22 15:17	06/23/22 07:02	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.201		0.00400	mg/L		06/14/22 14:16	06/15/22 17:58	1
Cadmium	ND		0.00250	mg/L		06/14/22 14:16	06/15/22 17:58	1
Chromium	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 17:58	1
Copper	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 17:58	1
Iron	13.0		0.0500	mg/L		06/14/22 14:16	06/15/22 17:58	1
Lead	ND		0.00750	mg/L		06/14/22 14:16	06/15/22 17:58	1
Manganese	0.201		0.00500	mg/L		06/14/22 14:16	06/15/22 17:58	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4S
Date Collected: 06/07/22 15:45
Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-6
Matrix: Water

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0406		0.00500	mg/L		06/14/22 14:16	06/15/22 17:58	1
Sodium	18.5		0.750	mg/L		06/14/22 14:16	06/15/22 17:58	1
Zinc	ND		0.0250	mg/L		06/14/22 14:16	06/15/22 17:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/15/22 10:57	06/15/22 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/17/22 03:15	1

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

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4D

Lab Sample ID: 620-5103-7

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/17/22 21:31	1
Acetone	ND		10.0	ug/L			06/17/22 21:31	1
Acrylonitrile	ND		0.500	ug/L			06/17/22 21:31	1
Benzene	ND		1.00	ug/L			06/17/22 21:31	1
Bromobenzene	ND		1.00	ug/L			06/17/22 21:31	1
Bromochloromethane	ND		1.00	ug/L			06/17/22 21:31	1
Bromodichloromethane	ND		0.500	ug/L			06/17/22 21:31	1
Bromoform	ND		1.00	ug/L			06/17/22 21:31	1
Bromomethane	ND		2.00	ug/L			06/17/22 21:31	1
2-Butanone (MEK)	ND		2.00	ug/L			06/17/22 21:31	1
n-Butylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
sec-Butylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
tert-Butylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
Carbon disulfide	ND		2.00	ug/L			06/17/22 21:31	1
Carbon tetrachloride	ND		1.00	ug/L			06/17/22 21:31	1
Chlorobenzene	ND		1.00	ug/L			06/17/22 21:31	1
Chloroethane	ND		2.00	ug/L			06/17/22 21:31	1
Chloroform	ND		1.00	ug/L			06/17/22 21:31	1
Chloromethane	ND		2.00	ug/L			06/17/22 21:31	1
2-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:31	1
4-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:31	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/17/22 21:31	1
Dibromochloromethane	ND		0.500	ug/L			06/17/22 21:31	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/17/22 21:31	1
Dibromomethane	ND		1.00	ug/L			06/17/22 21:31	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:31	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:31	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:31	1
Dichlorodifluoromethane (Freon 12)	3.11		2.00	ug/L			06/17/22 21:31	1
1,1-Dichloroethane	ND		1.00	ug/L			06/17/22 21:31	1
1,2-Dichloroethane	ND		1.00	ug/L			06/17/22 21:31	1
1,1-Dichloroethene	ND		1.00	ug/L			06/17/22 21:31	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:31	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:31	1
1,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:31	1
1,3-Dichloropropane	ND		1.00	ug/L			06/17/22 21:31	1
2,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:31	1
1,1-Dichloropropene	ND		1.00	ug/L			06/17/22 21:31	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:31	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:31	1
Ethylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
Hexachlorobutadiene	ND		1.00	ug/L			06/17/22 21:31	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/17/22 21:31	1
Isopropylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
4-Isopropyltoluene	ND		1.00	ug/L			06/17/22 21:31	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:31	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/17/22 21:31	1
Methylene Chloride	ND		2.00	ug/L			06/17/22 21:31	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4D

Lab Sample ID: 620-5103-7

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.00	ug/L			06/17/22 21:31	1
N-Propylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
Styrene	ND		1.00	ug/L			06/17/22 21:31	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/17/22 21:31	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/17/22 21:31	1
Tetrachloroethene	ND		1.00	ug/L			06/17/22 21:31	1
Toluene	ND		1.00	ug/L			06/17/22 21:31	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:31	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:31	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:31	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/17/22 21:31	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/17/22 21:31	1
Trichloroethene	ND		1.00	ug/L			06/17/22 21:31	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/17/22 21:31	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/17/22 21:31	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:31	1
Vinyl chloride	ND		1.00	ug/L			06/17/22 21:31	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/17/22 21:31	1
o-Xylene	ND		1.00	ug/L			06/17/22 21:31	1
Tetrahydrofuran	ND		2.00	ug/L			06/17/22 21:31	1
Ethyl ether	ND		1.00	ug/L			06/17/22 21:31	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/17/22 21:31	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:31	1
di-Isopropyl ether	ND		1.00	ug/L			06/17/22 21:31	1
tert-Butanol	ND		10.0	ug/L			06/17/22 21:31	1
1,4-Dioxane	ND		50.0	ug/L			06/17/22 21:31	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/17/22 21:31	1
Ethanol	ND		200	ug/L			06/17/22 21:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/17/22 21:31	1
Toluene-d8 (Surr)	98		70 - 130				06/17/22 21:31	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 130				06/17/22 21:31	1
Dibromofluoromethane (Surr)	102		70 - 130				06/17/22 21:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.11		2.00	mg/L			06/29/22 22:06	5

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.75	ng/L		06/17/22 15:17	06/23/22 07:13	1
NMeFOSAA	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorobutanesulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorobutanoic acid	ND		4.59	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorodecanesulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorodecanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorododecanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluoroheptanesulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4D

Lab Sample ID: 620-5103-7

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorohexanesulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorohexanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorononanesulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorononanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorooctanesulfonamide	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorooctanesulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorooctanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluoropentanesulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluoropentanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorotetradecanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluorotridecanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
Perfluoroundecanoic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1
6:2 Fluorotelomer sulfonic acid	ND		4.59	ng/L		06/17/22 15:17	06/23/22 07:13	1
8:2 Fluorotelomer sulfonic acid	ND		2.75	ng/L		06/17/22 15:17	06/23/22 07:13	1
4:2 Fluorotelomer sulfonic acid	ND		1.84	ng/L		06/17/22 15:17	06/23/22 07:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	457	*5+	10 - 200	06/17/22 15:17	06/23/22 07:13	1
M2-6:2 FTS	239	*5+	17 - 200	06/17/22 15:17	06/23/22 07:13	1
M2-8:2 FTS	140		33 - 200	06/17/22 15:17	06/23/22 07:13	1
13C2 PFTeDA	61		10 - 179	06/17/22 15:17	06/23/22 07:13	1
13C3 HFPO-DA	89		17 - 185	06/17/22 15:17	06/23/22 07:13	1
13C3 PFBS	93		16 - 200	06/17/22 15:17	06/23/22 07:13	1
13C4 PFBA	97		42 - 165	06/17/22 15:17	06/23/22 07:13	1
13C4 PFHpA	110		31 - 182	06/17/22 15:17	06/23/22 07:13	1
13C5 PFPeA	111		38 - 187	06/17/22 15:17	06/23/22 07:13	1
13C8 PFOA	106		48 - 162	06/17/22 15:17	06/23/22 07:13	1
13C8 PFOS	91		51 - 159	06/17/22 15:17	06/23/22 07:13	1
d3-NMeFOSAA	97		31 - 174	06/17/22 15:17	06/23/22 07:13	1
d5-NEtFOSAA	96		29 - 195	06/17/22 15:17	06/23/22 07:13	1
d9-N-EtFOSE-M	51		10 - 177	06/17/22 15:17	06/23/22 07:13	1
13C3 PFHxS	98		28 - 188	06/17/22 15:17	06/23/22 07:13	1
13C5 PFHxA	115		24 - 179	06/17/22 15:17	06/23/22 07:13	1
13C6 PFDA	88		49 - 163	06/17/22 15:17	06/23/22 07:13	1
13C7 PFUnA	87		34 - 174	06/17/22 15:17	06/23/22 07:13	1
d3-NMePFOSA	32		10 - 155	06/17/22 15:17	06/23/22 07:13	1
d5-NEtPFOSA	29		10 - 159	06/17/22 15:17	06/23/22 07:13	1
13C8 FOSA	77		10 - 168	06/17/22 15:17	06/23/22 07:13	1
13C2-PFDoDA	79		17 - 176	06/17/22 15:17	06/23/22 07:13	1
13C9 PFNA	102		51 - 167	06/17/22 15:17	06/23/22 07:13	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00400	mg/L		06/14/22 14:16	06/15/22 18:20	1
Cadmium	ND		0.00250	mg/L		06/14/22 14:16	06/15/22 18:20	1
Chromium	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:20	1
Copper	0.00560		0.00500	mg/L		06/14/22 14:16	06/15/22 18:20	1
Iron	3.80		0.0500	mg/L		06/14/22 14:16	06/15/22 18:20	1
Lead	ND		0.00750	mg/L		06/14/22 14:16	06/15/22 18:20	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4D
Date Collected: 06/07/22 17:25
Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-7
Matrix: Water

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.187		0.00500	mg/L		06/14/22 14:16	06/15/22 18:20	1
Nickel	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:20	1
Sodium	9.33		0.750	mg/L		06/14/22 14:16	06/15/22 18:20	1
Zinc	ND		0.0250	mg/L		06/14/22 14:16	06/15/22 18:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/15/22 10:57	06/15/22 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		188	mg/L			06/17/22 03:15	2.5

- 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: 620-5103-1

Client Sample ID: MW-4D-FD

Lab Sample ID: 620-5103-8

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/17/22 21:57	1
Acetone	ND		10.0	ug/L			06/17/22 21:57	1
Acrylonitrile	ND		0.500	ug/L			06/17/22 21:57	1
Benzene	ND		1.00	ug/L			06/17/22 21:57	1
Bromobenzene	ND		1.00	ug/L			06/17/22 21:57	1
Bromochloromethane	ND		1.00	ug/L			06/17/22 21:57	1
Bromodichloromethane	ND		0.500	ug/L			06/17/22 21:57	1
Bromoform	ND		1.00	ug/L			06/17/22 21:57	1
Bromomethane	ND		2.00	ug/L			06/17/22 21:57	1
2-Butanone (MEK)	ND		2.00	ug/L			06/17/22 21:57	1
n-Butylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
sec-Butylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
tert-Butylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
Carbon disulfide	ND		2.00	ug/L			06/17/22 21:57	1
Carbon tetrachloride	ND		1.00	ug/L			06/17/22 21:57	1
Chlorobenzene	ND		1.00	ug/L			06/17/22 21:57	1
Chloroethane	ND		2.00	ug/L			06/17/22 21:57	1
Chloroform	ND		1.00	ug/L			06/17/22 21:57	1
Chloromethane	ND		2.00	ug/L			06/17/22 21:57	1
2-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:57	1
4-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:57	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/17/22 21:57	1
Dibromochloromethane	ND		0.500	ug/L			06/17/22 21:57	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/17/22 21:57	1
Dibromomethane	ND		1.00	ug/L			06/17/22 21:57	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:57	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:57	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:57	1
Dichlorodifluoromethane (Freon 12)	3.05		2.00	ug/L			06/17/22 21:57	1
1,1-Dichloroethane	ND		1.00	ug/L			06/17/22 21:57	1
1,2-Dichloroethane	ND		1.00	ug/L			06/17/22 21:57	1
1,1-Dichloroethene	ND		1.00	ug/L			06/17/22 21:57	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:57	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:57	1
1,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:57	1
1,3-Dichloropropane	ND		1.00	ug/L			06/17/22 21:57	1
2,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:57	1
1,1-Dichloropropene	ND		1.00	ug/L			06/17/22 21:57	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:57	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:57	1
Ethylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
Hexachlorobutadiene	ND		1.00	ug/L			06/17/22 21:57	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/17/22 21:57	1
Isopropylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
4-Isopropyltoluene	ND		1.00	ug/L			06/17/22 21:57	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:57	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/17/22 21:57	1
Methylene Chloride	ND		2.00	ug/L			06/17/22 21:57	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4D-FD

Lab Sample ID: 620-5103-8

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.00	ug/L			06/17/22 21:57	1
N-Propylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
Styrene	ND		1.00	ug/L			06/17/22 21:57	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/17/22 21:57	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/17/22 21:57	1
Tetrachloroethene	ND		1.00	ug/L			06/17/22 21:57	1
Toluene	ND		1.00	ug/L			06/17/22 21:57	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:57	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:57	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:57	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/17/22 21:57	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/17/22 21:57	1
Trichloroethene	ND		1.00	ug/L			06/17/22 21:57	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/17/22 21:57	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/17/22 21:57	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:57	1
Vinyl chloride	ND		1.00	ug/L			06/17/22 21:57	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/17/22 21:57	1
o-Xylene	ND		1.00	ug/L			06/17/22 21:57	1
Tetrahydrofuran	ND		2.00	ug/L			06/17/22 21:57	1
Ethyl ether	ND		1.00	ug/L			06/17/22 21:57	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/17/22 21:57	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:57	1
di-Isopropyl ether	ND		1.00	ug/L			06/17/22 21:57	1
tert-Butanol	ND		10.0	ug/L			06/17/22 21:57	1
1,4-Dioxane	ND		50.0	ug/L			06/17/22 21:57	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/17/22 21:57	1
Ethanol	ND		200	ug/L			06/17/22 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		06/17/22 21:57	1
Toluene-d8 (Surr)	99		70 - 130		06/17/22 21:57	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		06/17/22 21:57	1
Dibromofluoromethane (Surr)	102		70 - 130		06/17/22 21:57	1

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NETFOSAA	ND		2.77	ng/L		06/17/22 15:17	06/23/22 07:24	1
NMeFOSAA	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorobutanesulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorobutanoic acid	ND		4.62	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorodecanesulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorodecanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorododecanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluoroheptanesulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluoroheptanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorohexanesulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorohexanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorononanesulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4D-FD

Lab Sample ID: 620-5103-8

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorooctanesulfonamide	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorooctanesulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorooctanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluoropentanesulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluoropentanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorotetradecanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluorotridecanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
Perfluoroundecanoic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1
6:2 Fluorotelomer sulfonic acid	ND		4.62	ng/L		06/17/22 15:17	06/23/22 07:24	1
8:2 Fluorotelomer sulfonic acid	ND		2.77	ng/L		06/17/22 15:17	06/23/22 07:24	1
4:2 Fluorotelomer sulfonic acid	ND		1.85	ng/L		06/17/22 15:17	06/23/22 07:24	1

Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	449	*5+	10 - 200			06/17/22 15:17	06/23/22 07:24	1
M2-6:2 FTS	223	*5+	17 - 200			06/17/22 15:17	06/23/22 07:24	1
M2-8:2 FTS	120		33 - 200			06/17/22 15:17	06/23/22 07:24	1
13C2 PFTeDA	63		10 - 179			06/17/22 15:17	06/23/22 07:24	1
13C3 HFPO-DA	80		17 - 185			06/17/22 15:17	06/23/22 07:24	1
13C3 PFBS	86		16 - 200			06/17/22 15:17	06/23/22 07:24	1
13C4 PFBA	93		42 - 165			06/17/22 15:17	06/23/22 07:24	1
13C4 PFHpA	109		31 - 182			06/17/22 15:17	06/23/22 07:24	1
13C5 PFPeA	101		38 - 187			06/17/22 15:17	06/23/22 07:24	1
13C8 PFOA	95		48 - 162			06/17/22 15:17	06/23/22 07:24	1
13C8 PFOS	91		51 - 159			06/17/22 15:17	06/23/22 07:24	1
d3-NMeFOSAA	91		31 - 174			06/17/22 15:17	06/23/22 07:24	1
d5-NEtFOSAA	94		29 - 195			06/17/22 15:17	06/23/22 07:24	1
d9-N-EtFOSE-M	48		10 - 177			06/17/22 15:17	06/23/22 07:24	1
13C3 PFHxS	92		28 - 188			06/17/22 15:17	06/23/22 07:24	1
13C5 PFHxA	106		24 - 179			06/17/22 15:17	06/23/22 07:24	1
13C6 PFDA	89		49 - 163			06/17/22 15:17	06/23/22 07:24	1
13C7 PFUnA	82		34 - 174			06/17/22 15:17	06/23/22 07:24	1
d3-NMePFOSA	21		10 - 155			06/17/22 15:17	06/23/22 07:24	1
d5-NEtPFOSA	20		10 - 159			06/17/22 15:17	06/23/22 07:24	1
13C8 FOSA	67		10 - 168			06/17/22 15:17	06/23/22 07:24	1
13C2-PFDODA	78		17 - 176			06/17/22 15:17	06/23/22 07:24	1
13C9 PFNA	100		51 - 167			06/17/22 15:17	06/23/22 07:24	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00400		0.00400	mg/L		06/14/22 14:16	06/15/22 18:27	1
Cadmium	ND		0.00250	mg/L		06/14/22 14:16	06/15/22 18:27	1
Chromium	0.00775		0.00500	mg/L		06/14/22 14:16	06/15/22 18:27	1
Copper	0.00820		0.00500	mg/L		06/14/22 14:16	06/15/22 18:27	1
Iron	7.12		0.0500	mg/L		06/14/22 14:16	06/15/22 18:27	1
Lead	ND		0.00750	mg/L		06/14/22 14:16	06/15/22 18:27	1
Manganese	0.227		0.00500	mg/L		06/14/22 14:16	06/15/22 18:27	1
Nickel	0.00720		0.00500	mg/L		06/14/22 14:16	06/15/22 18:27	1
Zinc	ND		0.0250	mg/L		06/14/22 14:16	06/15/22 18:27	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-4D-FD

Lab Sample ID: 620-5103-8

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/15/22 10:57	06/15/22 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	241		188	mg/L			06/17/22 03:15	2.5

- 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: 620-5103-1

Client Sample ID: MW-3D

Lab Sample ID: 620-5103-9

Date Collected: 06/09/22 16:20

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/17/22 22:24	1
Acetone	ND		10.0	ug/L			06/17/22 22:24	1
Acrylonitrile	ND		0.500	ug/L			06/17/22 22:24	1
Benzene	1.08		1.00	ug/L			06/17/22 22:24	1
Bromobenzene	ND		1.00	ug/L			06/17/22 22:24	1
Bromochloromethane	ND		1.00	ug/L			06/17/22 22:24	1
Bromodichloromethane	ND		0.500	ug/L			06/17/22 22:24	1
Bromoform	ND		1.00	ug/L			06/17/22 22:24	1
Bromomethane	ND		2.00	ug/L			06/17/22 22:24	1
2-Butanone (MEK)	ND		2.00	ug/L			06/17/22 22:24	1
n-Butylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
sec-Butylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
tert-Butylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
Carbon disulfide	ND		2.00	ug/L			06/17/22 22:24	1
Carbon tetrachloride	ND		1.00	ug/L			06/17/22 22:24	1
Chlorobenzene	ND		1.00	ug/L			06/17/22 22:24	1
Chloroethane	ND		2.00	ug/L			06/17/22 22:24	1
Chloroform	ND		1.00	ug/L			06/17/22 22:24	1
Chloromethane	ND		2.00	ug/L			06/17/22 22:24	1
2-Chlorotoluene	ND		1.00	ug/L			06/17/22 22:24	1
4-Chlorotoluene	ND		1.00	ug/L			06/17/22 22:24	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/17/22 22:24	1
Dibromochloromethane	ND		0.500	ug/L			06/17/22 22:24	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/17/22 22:24	1
Dibromomethane	ND		1.00	ug/L			06/17/22 22:24	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/17/22 22:24	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/17/22 22:24	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/17/22 22:24	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/17/22 22:24	1
1,1-Dichloroethane	ND		1.00	ug/L			06/17/22 22:24	1
1,2-Dichloroethane	ND		1.00	ug/L			06/17/22 22:24	1
1,1-Dichloroethene	ND		1.00	ug/L			06/17/22 22:24	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 22:24	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 22:24	1
1,2-Dichloropropane	ND		1.00	ug/L			06/17/22 22:24	1
1,3-Dichloropropane	ND		1.00	ug/L			06/17/22 22:24	1
2,2-Dichloropropane	ND		1.00	ug/L			06/17/22 22:24	1
1,1-Dichloropropene	ND		1.00	ug/L			06/17/22 22:24	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 22:24	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 22:24	1
Ethylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
Hexachlorobutadiene	ND		1.00	ug/L			06/17/22 22:24	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/17/22 22:24	1
Isopropylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
4-Isopropyltoluene	ND		1.00	ug/L			06/17/22 22:24	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/17/22 22:24	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/17/22 22:24	1
Methylene Chloride	ND		2.00	ug/L			06/17/22 22:24	1
Naphthalene	ND		2.00	ug/L			06/17/22 22:24	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-3D

Lab Sample ID: 620-5103-9

Date Collected: 06/09/22 16:20

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
Styrene	ND		1.00	ug/L			06/17/22 22:24	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/17/22 22:24	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/17/22 22:24	1
Tetrachloroethene	ND		1.00	ug/L			06/17/22 22:24	1
Toluene	ND		1.00	ug/L			06/17/22 22:24	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/17/22 22:24	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/17/22 22:24	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/17/22 22:24	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/17/22 22:24	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/17/22 22:24	1
Trichloroethene	ND		1.00	ug/L			06/17/22 22:24	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/17/22 22:24	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/17/22 22:24	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/17/22 22:24	1
Vinyl chloride	ND		1.00	ug/L			06/17/22 22:24	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/17/22 22:24	1
o-Xylene	ND		1.00	ug/L			06/17/22 22:24	1
Tetrahydrofuran	19.8		2.00	ug/L			06/17/22 22:24	1
Ethyl ether	10.0		1.00	ug/L			06/17/22 22:24	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/17/22 22:24	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/17/22 22:24	1
di-Isopropyl ether	ND		1.00	ug/L			06/17/22 22:24	1
tert-Butanol	ND		10.0	ug/L			06/17/22 22:24	1
1,4-Dioxane	ND		50.0	ug/L			06/17/22 22:24	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/17/22 22:24	1
Ethanol	ND		200	ug/L			06/17/22 22:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130		06/17/22 22:24	1
Toluene-d8 (Surr)	97		70 - 130		06/17/22 22:24	1
1,2-Dichloroethane-d4 (Surr)	88		70 - 130		06/17/22 22:24	1
Dibromofluoromethane (Surr)	99		70 - 130		06/17/22 22:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.6		20.0	mg/L			06/29/22 21:33	50

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.74	ng/L		06/20/22 08:46	06/23/22 19:18	1
NMeFOSAA	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorobutanesulfonic acid	5.00		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorobutanoic acid	27.4		4.57	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorodecanesulfonic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorodecanoic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorododecanoic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluoroheptanesulfonic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluoroheptanoic acid	42.1		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-3D

Lab Sample ID: 620-5103-9

Date Collected: 06/09/22 16:20

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	25.8		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorohexanoic acid	58.6		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorononanesulfonic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorononanoic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorooctanesulfonamide	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorooctanesulfonic acid	4.78		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorooctanoic acid	119		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluoropentanesulfonic acid	4.50		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluoropentanoic acid	28.5		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorotetradecanoic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluorotridecanoic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Perfluoroundecanoic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
6:2 Fluorotelomer sulfonic acid	24.5		4.57	ng/L		06/20/22 08:46	06/23/22 19:18	1
8:2 Fluorotelomer sulfonic acid	ND		2.74	ng/L		06/20/22 08:46	06/23/22 19:18	1
4:2 Fluorotelomer sulfonic acid	ND		1.83	ng/L		06/20/22 08:46	06/23/22 19:18	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-4:2 FTS	384	*5+	10 - 200			06/20/22 08:46	06/23/22 19:18	1
M2-6:2 FTS	311	*5+	17 - 200			06/20/22 08:46	06/23/22 19:18	1
M2-8:2 FTS	174		33 - 200			06/20/22 08:46	06/23/22 19:18	1
13C2 PFTeDA	77		10 - 179			06/20/22 08:46	06/23/22 19:18	1
13C3 HFPO-DA	84		17 - 185			06/20/22 08:46	06/23/22 19:18	1
13C3 PFBS	180		16 - 200			06/20/22 08:46	06/23/22 19:18	1
13C4 PFBA	83		42 - 165			06/20/22 08:46	06/23/22 19:18	1
13C4 PFHpA	101		31 - 182			06/20/22 08:46	06/23/22 19:18	1
13C5 PFPeA	114		38 - 187			06/20/22 08:46	06/23/22 19:18	1
13C8 PFOA	83		48 - 162			06/20/22 08:46	06/23/22 19:18	1
13C8 PFOS	88		51 - 159			06/20/22 08:46	06/23/22 19:18	1
d3-NMeFOSAA	88		31 - 174			06/20/22 08:46	06/23/22 19:18	1
d5-NEtFOSAA	85		29 - 195			06/20/22 08:46	06/23/22 19:18	1
d9-N-EtFOSE-M	7	*5-	10 - 177			06/20/22 08:46	06/23/22 19:18	1
13C3 PFHxS	125		28 - 188			06/20/22 08:46	06/23/22 19:18	1
13C5 PFHxA	90		24 - 179			06/20/22 08:46	06/23/22 19:18	1
13C6 PFDA	92		49 - 163			06/20/22 08:46	06/23/22 19:18	1
13C7 PFUnA	82		34 - 174			06/20/22 08:46	06/23/22 19:18	1
d3-NMePFOSA	2	*5-	10 - 155			06/20/22 08:46	06/23/22 19:18	1
d5-NEtPFOSA	2	*5-	10 - 159			06/20/22 08:46	06/23/22 19:18	1
13C8 FOSA	40		10 - 168			06/20/22 08:46	06/23/22 19:18	1
13C2-PFDoDA	84		17 - 176			06/20/22 08:46	06/23/22 19:18	1
13C9 PFNA	89		51 - 167			06/20/22 08:46	06/23/22 19:18	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0140		0.00400	mg/L		06/14/22 14:16	06/15/22 18:34	1
Cadmium	ND		0.00250	mg/L		06/14/22 14:16	06/15/22 18:34	1
Chromium	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:34	1
Copper	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:34	1
Iron	4.03		0.0500	mg/L		06/14/22 14:16	06/15/22 18:34	1
Lead	ND		0.00750	mg/L		06/14/22 14:16	06/15/22 18:34	1
Manganese	2.34		0.00500	mg/L		06/14/22 14:16	06/15/22 18:34	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: MW-3D
Date Collected: 06/09/22 16:20
Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-9
Matrix: Water

Method: 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0380		0.00500	mg/L		06/14/22 14:16	06/15/22 18:34	1
Sodium	75.4		0.750	mg/L		06/14/22 14:16	06/15/22 18:34	1
Zinc	ND		0.0250	mg/L		06/14/22 14:16	06/15/22 18:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/15/22 10:57	06/15/22 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/17/22 03:15	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: 620-5103-1

Client Sample ID: EB-060922

Lab Sample ID: 620-5103-10

Date Collected: 06/09/22 17:30

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/18/22 00:03	1
Acetone	ND		10.0	ug/L			06/18/22 00:03	1
Acrylonitrile	ND		0.500	ug/L			06/18/22 00:03	1
Benzene	ND		1.00	ug/L			06/18/22 00:03	1
Bromobenzene	ND		1.00	ug/L			06/18/22 00:03	1
Bromochloromethane	ND		1.00	ug/L			06/18/22 00:03	1
Bromodichloromethane	ND		0.500	ug/L			06/18/22 00:03	1
Bromoform	ND	*-	1.00	ug/L			06/18/22 00:03	1
Bromomethane	ND	*+	2.00	ug/L			06/18/22 00:03	1
2-Butanone (MEK)	ND		2.00	ug/L			06/18/22 00:03	1
n-Butylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
sec-Butylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
tert-Butylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
Carbon disulfide	ND		2.00	ug/L			06/18/22 00:03	1
Carbon tetrachloride	ND		1.00	ug/L			06/18/22 00:03	1
Chlorobenzene	ND		1.00	ug/L			06/18/22 00:03	1
Chloroethane	ND		2.00	ug/L			06/18/22 00:03	1
Chloroform	ND		1.00	ug/L			06/18/22 00:03	1
Chloromethane	ND		2.00	ug/L			06/18/22 00:03	1
2-Chlorotoluene	ND		1.00	ug/L			06/18/22 00:03	1
4-Chlorotoluene	ND		1.00	ug/L			06/18/22 00:03	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/18/22 00:03	1
Dibromochloromethane	ND		0.500	ug/L			06/18/22 00:03	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/18/22 00:03	1
Dibromomethane	ND		1.00	ug/L			06/18/22 00:03	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/18/22 00:03	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/18/22 00:03	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/18/22 00:03	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/18/22 00:03	1
1,1-Dichloroethane	ND		1.00	ug/L			06/18/22 00:03	1
1,2-Dichloroethane	ND		1.00	ug/L			06/18/22 00:03	1
1,1-Dichloroethene	ND		1.00	ug/L			06/18/22 00:03	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/18/22 00:03	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/18/22 00:03	1
1,2-Dichloropropane	ND		1.00	ug/L			06/18/22 00:03	1
1,3-Dichloropropane	ND		1.00	ug/L			06/18/22 00:03	1
2,2-Dichloropropane	ND		1.00	ug/L			06/18/22 00:03	1
1,1-Dichloropropene	ND		1.00	ug/L			06/18/22 00:03	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/18/22 00:03	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/18/22 00:03	1
Ethylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
Hexachlorobutadiene	ND		1.00	ug/L			06/18/22 00:03	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/18/22 00:03	1
Isopropylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
4-Isopropyltoluene	ND		1.00	ug/L			06/18/22 00:03	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/18/22 00:03	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/18/22 00:03	1
Methylene Chloride	ND		2.00	ug/L			06/18/22 00:03	1
Naphthalene	ND		2.00	ug/L			06/18/22 00:03	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: EB-060922

Lab Sample ID: 620-5103-10

Date Collected: 06/09/22 17:30

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
Styrene	ND		1.00	ug/L			06/18/22 00:03	1
1,1,1,2-Tetrachloroethane	ND	*-	1.00	ug/L			06/18/22 00:03	1
1,1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/18/22 00:03	1
Tetrachloroethene	ND		1.00	ug/L			06/18/22 00:03	1
Toluene	ND		1.00	ug/L			06/18/22 00:03	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/18/22 00:03	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/18/22 00:03	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/18/22 00:03	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/18/22 00:03	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/18/22 00:03	1
Trichloroethene	ND		1.00	ug/L			06/18/22 00:03	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/18/22 00:03	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/18/22 00:03	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/18/22 00:03	1
Vinyl chloride	ND	*+	1.00	ug/L			06/18/22 00:03	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/18/22 00:03	1
o-Xylene	ND		1.00	ug/L			06/18/22 00:03	1
Tetrahydrofuran	ND		2.00	ug/L			06/18/22 00:03	1
Ethyl ether	ND		1.00	ug/L			06/18/22 00:03	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/18/22 00:03	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/18/22 00:03	1
di-Isopropyl ether	ND		1.00	ug/L			06/18/22 00:03	1
tert-Butanol	ND		10.0	ug/L			06/18/22 00:03	1
1,4-Dioxane	ND		50.0	ug/L			06/18/22 00:03	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/18/22 00:03	1
Ethanol	ND		200	ug/L			06/18/22 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		06/18/22 00:03	1
Toluene-d8 (Surr)	106		70 - 130		06/18/22 00:03	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		06/18/22 00:03	1
Dibromofluoromethane (Surr)	104		70 - 130		06/18/22 00:03	1

Method: 537 IDA - EPA 537 Isotope Dilution

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		3.08	ng/L		06/23/22 08:08	06/25/22 12:09	1
NMeFOSAA	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorobutanesulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorobutanoic acid	ND		5.13	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorodecanesulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorodecanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorododecanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluoroheptanesulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluoroheptanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorohexanesulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorohexanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorononanesulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorononanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: EB-060922

Lab Sample ID: 620-5103-10

Date Collected: 06/09/22 17:30

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorooctanesulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorooctanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluoropentanesulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluoropentanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorotetradecanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluorotridecanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
Perfluoroundecanoic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1
6:2 Fluorotelomer sulfonic acid	ND		5.13	ng/L		06/23/22 08:08	06/25/22 12:09	1
8:2 Fluorotelomer sulfonic acid	ND		3.08	ng/L		06/23/22 08:08	06/25/22 12:09	1
4:2 Fluorotelomer sulfonic acid	ND		2.05	ng/L		06/23/22 08:08	06/25/22 12:09	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	97		10 - 200	06/23/22 08:08	06/25/22 12:09	1
M2-6:2 FTS	95		17 - 200	06/23/22 08:08	06/25/22 12:09	1
M2-8:2 FTS	91		33 - 200	06/23/22 08:08	06/25/22 12:09	1
13C2 PFTeDA	93		10 - 179	06/23/22 08:08	06/25/22 12:09	1
13C3 HFPO-DA	85		17 - 185	06/23/22 08:08	06/25/22 12:09	1
13C3 PFBS	108		16 - 200	06/23/22 08:08	06/25/22 12:09	1
13C4 PFBA	96		42 - 165	06/23/22 08:08	06/25/22 12:09	1
13C4 PFHpA	99		31 - 182	06/23/22 08:08	06/25/22 12:09	1
13C5 PFPeA	106		38 - 187	06/23/22 08:08	06/25/22 12:09	1
13C8 PFOA	98		48 - 162	06/23/22 08:08	06/25/22 12:09	1
13C8 PFOS	106		51 - 159	06/23/22 08:08	06/25/22 12:09	1
d3-NMeFOSAA	89		31 - 174	06/23/22 08:08	06/25/22 12:09	1
d5-NEtFOSAA	97		29 - 195	06/23/22 08:08	06/25/22 12:09	1
d9-N-EtFOSE-M	61		10 - 177	06/23/22 08:08	06/25/22 12:09	1
13C3 PFHxS	108		28 - 188	06/23/22 08:08	06/25/22 12:09	1
13C5 PFHxA	96		24 - 179	06/23/22 08:08	06/25/22 12:09	1
13C6 PFDA	97		49 - 163	06/23/22 08:08	06/25/22 12:09	1
13C7 PFUnA	102		34 - 174	06/23/22 08:08	06/25/22 12:09	1
d3-NMePFOSA	21		10 - 155	06/23/22 08:08	06/25/22 12:09	1
d5-NEtPFOSA	21		10 - 159	06/23/22 08:08	06/25/22 12:09	1
13C8 FOSA	79		10 - 168	06/23/22 08:08	06/25/22 12:09	1
13C2-PFDoDA	99		17 - 176	06/23/22 08:08	06/25/22 12:09	1
13C9 PFNA	109		51 - 167	06/23/22 08:08	06/25/22 12:09	1

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.00400	mg/L		06/14/22 14:16	06/15/22 18:42	1
Cadmium	ND		0.00250	mg/L		06/14/22 14:16	06/15/22 18:42	1
Chromium	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:42	1
Copper	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:42	1
Iron	ND		0.0500	mg/L		06/14/22 14:16	06/15/22 18:42	1
Lead	ND		0.00750	mg/L		06/14/22 14:16	06/15/22 18:42	1
Manganese	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:42	1
Nickel	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 18:42	1
Sodium	3.61		0.750	mg/L		06/14/22 14:16	06/15/22 18:42	1
Zinc	ND		0.0250	mg/L		06/14/22 14:16	06/15/22 18:42	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: EB-060922

Lab Sample ID: 620-5103-10

Date Collected: 06/09/22 17:30

Matrix: Water

Date Received: 06/14/22 10:20

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/15/22 10:57	06/15/22 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/17/22 03:15	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: 620-5103-1

Client Sample ID: PW-060922

Lab Sample ID: 620-5103-11

Date Collected: 06/09/22 17:50

Matrix: Water

Date Received: 06/14/22 10:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
1,2,4-Trichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
1,2-Dichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
1,3-Dichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
1,4-Dichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
1-Methylnaphthalene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2,4,5-Trichlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2,4,6-Trichlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2,4-Dichlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2,4-Dimethylphenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2,4-Dinitrophenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2,4-Dinitrotoluene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2,6-Dinitrotoluene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2-Chloronaphthalene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2-Chlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2-Methylnaphthalene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2-Methylphenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2-Nitroaniline	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
2-Nitrophenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
3 & 4 Methylphenol	ND		10.0	ug/L		06/16/22 13:28	06/20/22 15:02	1
3,3'-Dichlorobenzidine	ND	*+	5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
3-Nitroaniline	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
4,6-Dinitro-2-methylphenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
4-Bromophenyl phenyl ether	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
4-Chloro-3-methylphenol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
4-Chloroaniline	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
4-Chlorophenyl phenyl ether	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
4-Nitroaniline	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
4-Nitrophenol	ND		20.0	ug/L		06/16/22 13:28	06/20/22 15:02	1
Acenaphthene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Acenaphthylene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Aniline	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Anthracene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Azobenzene/Diphenyldiazene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzidine	ND	*- *1	10.0	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzo[a]anthracene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzo[a]pyrene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzo[b]fluoranthene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzo[g,h,i]perylene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzo[k]fluoranthene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzoic acid	ND	*-	10.0	ug/L		06/16/22 13:28	06/20/22 15:02	1
Benzyl alcohol	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Bis(2-chloroethoxy)methane	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Bis(2-chloroethyl)ether	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
bis (2-chloroisopropyl) ether	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Bis(2-ethylhexyl) phthalate	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Butyl benzyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Carbazole	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Chrysene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: PW-060922

Lab Sample ID: 620-5103-11

Date Collected: 06/09/22 17:50

Matrix: Water

Date Received: 06/14/22 10:20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Dibenzofuran	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Diethyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Dimethyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Di-n-butyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Di-n-octyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Fluoranthene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Fluorene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Hexachlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Hexachlorobutadiene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Hexachlorocyclopentadiene	ND	*1	5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Hexachloroethane	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Indeno[1,2,3-cd]pyrene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Isophorone	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Naphthalene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Nitrobenzene	ND	*1	5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
N-Nitrosodimethylamine	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
N-Nitrosodi-n-propylamine	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
N-Nitrosodiphenylamine	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Pentachloronitrobenzene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Pentachlorophenol	ND		20.0	ug/L		06/16/22 13:28	06/20/22 15:02	1
Phenanthrene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Phenol	ND	*-	5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Pyrene	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1
Pyridine	ND		5.00	ug/L		06/16/22 13:28	06/20/22 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		30 - 130	06/16/22 13:28	06/20/22 15:02	1
2-Fluorophenol (Surr)	43		15 - 110	06/16/22 13:28	06/20/22 15:02	1
Nitrobenzene-d5 (Surr)	61		30 - 130	06/16/22 13:28	06/20/22 15:02	1
Phenol-d5 (Surr)	30		15 - 110	06/16/22 13:28	06/20/22 15:02	1
2,4,6-Tribromophenol (Surr)	74		15 - 110	06/16/22 13:28	06/20/22 15:02	1
Terphenyl-d14 (Surr)	68		30 - 130	06/16/22 13:28	06/20/22 15:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1221	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1232	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1242	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1248	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1254	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1260	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1262	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1
PCB-1268	ND		0.238	ug/L		06/16/22 13:46	06/16/22 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		30 - 150	06/16/22 13:46	06/16/22 19:14	1
DCB Decachlorobiphenyl (Surr)	61		30 - 150	06/16/22 13:46	06/16/22 19:14	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 56 Forest Edge

Lab Sample ID: 620-5103-12

Date Collected: 06/09/22 18:30

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 16:59	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/16/22 16:59	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 16:59	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/16/22 16:59	1
1,1-Dichloroethane	ND		0.500	ug/L			06/16/22 16:59	1
1,1-Dichloroethene	ND		0.500	ug/L			06/16/22 16:59	1
1,1-Dichloropropene	ND		0.500	ug/L			06/16/22 16:59	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/16/22 16:59	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/16/22 16:59	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/16/22 16:59	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/16/22 16:59	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/16/22 16:59	1
1,2-Dibromoethane	ND		0.500	ug/L			06/16/22 16:59	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:59	1
1,2-Dichloroethane	ND		0.500	ug/L			06/16/22 16:59	1
1,2-Dichloropropane	ND		0.500	ug/L			06/16/22 16:59	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/16/22 16:59	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:59	1
1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 16:59	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/16/22 16:59	1
2,2-Dichloropropane	ND		0.500	ug/L			06/16/22 16:59	1
2-Butanone	ND		5.00	ug/L			06/16/22 16:59	1
2-Chlorotoluene	ND		0.500	ug/L			06/16/22 16:59	1
2-Hexanone	ND		5.00	ug/L			06/16/22 16:59	1
4-Chlorotoluene	ND		0.500	ug/L			06/16/22 16:59	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/16/22 16:59	1
Acetone	ND		10.0	ug/L			06/16/22 16:59	1
Acrylonitrile	ND		10.0	ug/L			06/16/22 16:59	1
Benzene	ND		0.500	ug/L			06/16/22 16:59	1
Bromobenzene	ND		0.500	ug/L			06/16/22 16:59	1
Bromochloromethane	ND		0.500	ug/L			06/16/22 16:59	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 16:59	1
Bromoform	ND		0.500	ug/L			06/16/22 16:59	1
Bromomethane	ND		0.500	ug/L			06/16/22 16:59	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 16:59	1
Carbon tetrachloride	ND		0.500	ug/L			06/16/22 16:59	1
Chlorobenzene	ND		0.500	ug/L			06/16/22 16:59	1
Chloroethane	ND		0.500	ug/L			06/16/22 16:59	1
Chloroform	0.662		0.500	ug/L			06/16/22 16:59	1
Chloromethane	ND		0.500	ug/L			06/16/22 16:59	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 16:59	1
cis-1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 16:59	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 16:59	1
Dibromomethane	ND		0.500	ug/L			06/16/22 16:59	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/16/22 16:59	1
di-Isopropyl ether	ND		0.500	ug/L			06/16/22 16:59	1
Ethyl ether	ND		0.500	ug/L			06/16/22 16:59	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/16/22 16:59	1
Ethylbenzene	ND		0.500	ug/L			06/16/22 16:59	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 56 Forest Edge

Lab Sample ID: 620-5103-12

Date Collected: 06/09/22 18:30

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/16/22 16:59	1
Hexachlorobutadiene	ND		0.500	ug/L			06/16/22 16:59	1
Isopropylbenzene	ND		0.500	ug/L			06/16/22 16:59	1
m&p-Xylene	ND		1.00	ug/L			06/16/22 16:59	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/16/22 16:59	1
Methylene Chloride	ND		0.500	ug/L			06/16/22 16:59	1
Naphthalene	ND		0.500	ug/L			06/16/22 16:59	1
n-Butylbenzene	ND		0.500	ug/L			06/16/22 16:59	1
N-Propylbenzene	ND		0.500	ug/L			06/16/22 16:59	1
o-Xylene	ND		0.500	ug/L			06/16/22 16:59	1
p-Isopropyltoluene	ND		0.500	ug/L			06/16/22 16:59	1
sec-Butylbenzene	ND		0.500	ug/L			06/16/22 16:59	1
Styrene	ND		0.500	ug/L			06/16/22 16:59	1
t-Amyl methyl ether	ND		0.500	ug/L			06/16/22 16:59	1
t-Butyl alcohol	ND		25.0	ug/L			06/16/22 16:59	1
tert-Butylbenzene	ND		0.500	ug/L			06/16/22 16:59	1
Tetrachloroethene	ND		0.500	ug/L			06/16/22 16:59	1
Tetrahydrofuran	ND		7.00	ug/L			06/16/22 16:59	1
Toluene	ND		0.500	ug/L			06/16/22 16:59	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 16:59	1
Trichloroethene	ND		0.500	ug/L			06/16/22 16:59	1
Trichlorofluoromethane	ND		0.500	ug/L			06/16/22 16:59	1
Vinyl chloride	ND		0.500	ug/L			06/16/22 16:59	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	94		80 - 120		06/16/22 16:59	1
4-Bromofluorobenzene (Surr)	85		80 - 120		06/16/22 16:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluoroheptanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorooctanoic acid	3.35		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorononanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorodecanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorotridecanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorotetradecanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorobutanesulfonic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorohexanesulfonic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorooctanesulfonic acid	4.46		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
NEtFOSAA	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
NMeFOSAA	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluoroundecanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1
Perfluorododecanoic acid	ND		1.68	ng/L		06/21/22 16:53	06/23/22 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	97		70 - 130	06/21/22 16:53	06/23/22 11:56	1
13C2 PFHxA	95		70 - 130	06/21/22 16:53	06/23/22 11:56	1
13C3 HFPO-DA	96		70 - 130	06/21/22 16:53	06/23/22 11:56	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 56 Forest Edge

Lab Sample ID: 620-5103-12

Date Collected: 06/09/22 18:30

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	98		70 - 130	06/21/22 16:53	06/23/22 11:56	1

- 1
- 2
- 3
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- 16

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-5103-13

Date Collected: 06/07/22 08:00

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND	*+	1.00	ug/L			06/16/22 20:41	1
Acetone	ND		10.0	ug/L			06/16/22 20:41	1
Acrylonitrile	ND		0.500	ug/L			06/16/22 20:41	1
Benzene	ND	*+	1.00	ug/L			06/16/22 20:41	1
Bromobenzene	ND		1.00	ug/L			06/16/22 20:41	1
Bromochloromethane	ND	*+	1.00	ug/L			06/16/22 20:41	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 20:41	1
Bromoform	ND		1.00	ug/L			06/16/22 20:41	1
Bromomethane	ND		2.00	ug/L			06/16/22 20:41	1
2-Butanone (MEK)	ND		2.00	ug/L			06/16/22 20:41	1
n-Butylbenzene	ND		1.00	ug/L			06/16/22 20:41	1
sec-Butylbenzene	ND		1.00	ug/L			06/16/22 20:41	1
tert-Butylbenzene	ND		1.00	ug/L			06/16/22 20:41	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 20:41	1
Carbon tetrachloride	ND		1.00	ug/L			06/16/22 20:41	1
Chlorobenzene	ND	*+	1.00	ug/L			06/16/22 20:41	1
Chloroethane	ND		2.00	ug/L			06/16/22 20:41	1
Chloroform	ND		1.00	ug/L			06/16/22 20:41	1
Chloromethane	ND		2.00	ug/L			06/16/22 20:41	1
2-Chlorotoluene	ND		1.00	ug/L			06/16/22 20:41	1
4-Chlorotoluene	ND		1.00	ug/L			06/16/22 20:41	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/16/22 20:41	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 20:41	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/16/22 20:41	1
Dibromomethane	ND		1.00	ug/L			06/16/22 20:41	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/16/22 20:41	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/16/22 20:41	1
1,4-Dichlorobenzene	ND	*+	1.00	ug/L			06/16/22 20:41	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/16/22 20:41	1
1,1-Dichloroethane	ND		1.00	ug/L			06/16/22 20:41	1
1,2-Dichloroethane	ND		1.00	ug/L			06/16/22 20:41	1
1,1-Dichloroethene	ND	*+	1.00	ug/L			06/16/22 20:41	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/16/22 20:41	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/16/22 20:41	1
1,2-Dichloropropane	ND		1.00	ug/L			06/16/22 20:41	1
1,3-Dichloropropane	ND		1.00	ug/L			06/16/22 20:41	1
2,2-Dichloropropane	ND		1.00	ug/L			06/16/22 20:41	1
1,1-Dichloropropene	ND		1.00	ug/L			06/16/22 20:41	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 20:41	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 20:41	1
Ethylbenzene	ND	*+	1.00	ug/L			06/16/22 20:41	1
Hexachlorobutadiene	ND		1.00	ug/L			06/16/22 20:41	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/16/22 20:41	1
Isopropylbenzene	ND		1.00	ug/L			06/16/22 20:41	1
4-Isopropyltoluene	ND		1.00	ug/L			06/16/22 20:41	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/16/22 20:41	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/16/22 20:41	1
Methylene Chloride	ND	*+	2.00	ug/L			06/16/22 20:41	1
Naphthalene	ND		2.00	ug/L			06/16/22 20:41	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-5103-13

Date Collected: 06/07/22 08:00

Matrix: Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		1.00	ug/L			06/16/22 20:41	1
Styrene	ND		1.00	ug/L			06/16/22 20:41	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/16/22 20:41	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 20:41	1
Tetrachloroethene	ND		1.00	ug/L			06/16/22 20:41	1
Toluene	ND	*+	1.00	ug/L			06/16/22 20:41	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/16/22 20:41	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/16/22 20:41	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/16/22 20:41	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/16/22 20:41	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/16/22 20:41	1
Trichloroethene	ND		1.00	ug/L			06/16/22 20:41	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/16/22 20:41	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/16/22 20:41	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/16/22 20:41	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/16/22 20:41	1
Vinyl chloride	ND		1.00	ug/L			06/16/22 20:41	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/16/22 20:41	1
o-Xylene	ND		1.00	ug/L			06/16/22 20:41	1
Tetrahydrofuran	ND		2.00	ug/L			06/16/22 20:41	1
Ethyl ether	ND		1.00	ug/L			06/16/22 20:41	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/16/22 20:41	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/16/22 20:41	1
di-Isopropyl ether	ND		1.00	ug/L			06/16/22 20:41	1
tert-Butanol	ND		10.0	ug/L			06/16/22 20:41	1
1,4-Dioxane	ND		50.0	ug/L			06/16/22 20:41	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/16/22 20:41	1
Ethanol	ND		200	ug/L			06/16/22 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		06/16/22 20:41	1
Toluene-d8 (Surr)	99		70 - 130		06/16/22 20:41	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		06/16/22 20:41	1
Dibromofluoromethane (Surr)	101		70 - 130		06/16/22 20:41	1

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-FD

Lab Sample ID: 620-5103-14

Date Collected: 06/07/22 14:38

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 17:21	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/16/22 17:21	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 17:21	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/16/22 17:21	1
1,1-Dichloroethane	ND		0.500	ug/L			06/16/22 17:21	1
1,1-Dichloroethene	ND		0.500	ug/L			06/16/22 17:21	1
1,1-Dichloropropene	ND		0.500	ug/L			06/16/22 17:21	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/16/22 17:21	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/16/22 17:21	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/16/22 17:21	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/16/22 17:21	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/16/22 17:21	1
1,2-Dibromoethane	ND		0.500	ug/L			06/16/22 17:21	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/16/22 17:21	1
1,2-Dichloroethane	ND		0.500	ug/L			06/16/22 17:21	1
1,2-Dichloropropane	ND		0.500	ug/L			06/16/22 17:21	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/16/22 17:21	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/16/22 17:21	1
1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 17:21	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/16/22 17:21	1
2,2-Dichloropropane	ND		0.500	ug/L			06/16/22 17:21	1
2-Butanone	ND		5.00	ug/L			06/16/22 17:21	1
2-Chlorotoluene	ND		0.500	ug/L			06/16/22 17:21	1
2-Hexanone	ND		5.00	ug/L			06/16/22 17:21	1
4-Chlorotoluene	ND		0.500	ug/L			06/16/22 17:21	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/16/22 17:21	1
Acetone	ND		10.0	ug/L			06/16/22 17:21	1
Acrylonitrile	ND		10.0	ug/L			06/16/22 17:21	1
Benzene	ND		0.500	ug/L			06/16/22 17:21	1
Bromobenzene	ND		0.500	ug/L			06/16/22 17:21	1
Bromochloromethane	ND		0.500	ug/L			06/16/22 17:21	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 17:21	1
Bromoform	ND		0.500	ug/L			06/16/22 17:21	1
Bromomethane	ND		0.500	ug/L			06/16/22 17:21	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 17:21	1
Carbon tetrachloride	ND		0.500	ug/L			06/16/22 17:21	1
Chlorobenzene	ND		0.500	ug/L			06/16/22 17:21	1
Chloroethane	ND		0.500	ug/L			06/16/22 17:21	1
Chloroform	ND		0.500	ug/L			06/16/22 17:21	1
Chloromethane	ND		0.500	ug/L			06/16/22 17:21	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 17:21	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 17:21	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 17:21	1
Dibromomethane	ND		0.500	ug/L			06/16/22 17:21	1
Dichlorodifluoromethane	2.82		0.500	ug/L			06/16/22 17:21	1
di-Isopropyl ether	ND		0.500	ug/L			06/16/22 17:21	1
Ethyl ether	8.15		0.500	ug/L			06/16/22 17:21	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/16/22 17:21	1
Ethylbenzene	ND		0.500	ug/L			06/16/22 17:21	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-FD

Lab Sample ID: 620-5103-14

Date Collected: 06/07/22 14:38

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.500	ug/L			06/16/22 17:21	1
Hexachlorobutadiene	ND		0.500	ug/L			06/16/22 17:21	1
Isopropylbenzene	ND		0.500	ug/L			06/16/22 17:21	1
m&p-Xylene	ND		1.00	ug/L			06/16/22 17:21	1
Methyl tertiary butyl ether	0.909		0.500	ug/L			06/16/22 17:21	1
Methylene Chloride	ND		0.500	ug/L			06/16/22 17:21	1
Naphthalene	ND		0.500	ug/L			06/16/22 17:21	1
n-Butylbenzene	ND		0.500	ug/L			06/16/22 17:21	1
N-Propylbenzene	ND		0.500	ug/L			06/16/22 17:21	1
o-Xylene	ND		0.500	ug/L			06/16/22 17:21	1
p-Isopropyltoluene	ND		0.500	ug/L			06/16/22 17:21	1
sec-Butylbenzene	ND		0.500	ug/L			06/16/22 17:21	1
Styrene	ND		0.500	ug/L			06/16/22 17:21	1
t-Amyl methyl ether	ND		0.500	ug/L			06/16/22 17:21	1
t-Butyl alcohol	ND		25.0	ug/L			06/16/22 17:21	1
tert-Butylbenzene	ND		0.500	ug/L			06/16/22 17:21	1
Tetrachloroethene	ND		0.500	ug/L			06/16/22 17:21	1
Tetrahydrofuran	19.0		7.00	ug/L			06/16/22 17:21	1
Toluene	ND		0.500	ug/L			06/16/22 17:21	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 17:21	1
Trichloroethene	ND		0.500	ug/L			06/16/22 17:21	1
Trichlorofluoromethane	ND		0.500	ug/L			06/16/22 17:21	1
Vinyl chloride	ND		0.500	ug/L			06/16/22 17:21	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	94		80 - 120		06/16/22 17:21	1
4-Bromofluorobenzene (Surr)	86		80 - 120		06/16/22 17:21	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	15.3		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluoroheptanoic acid	9.65		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorooctanoic acid	28.5		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorononanoic acid	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorodecanoic acid	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorotridecanoic acid	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorotetradecanoic acid	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorobutanesulfonic acid	2.45		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorohexanesulfonic acid	6.58		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorooctanesulfonic acid	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
NEtFOSAA	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
NMeFOSAA	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluoroundecanoic acid	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1
Perfluorododecanoic acid	ND		1.63	ng/L		06/17/22 10:29	06/21/22 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	97		70 - 130	06/17/22 10:29	06/21/22 15:12	1
13C2 PFHxA	102		70 - 130	06/17/22 10:29	06/21/22 15:12	1
13C3 HFPO-DA	107		70 - 130	06/17/22 10:29	06/21/22 15:12	1

Eurofins New England

Client Sample Results

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

Job ID: 620-5103-1

Client Sample ID: 907 Bleacher-FD

Lab Sample ID: 620-5103-14

Date Collected: 06/07/22 14:38

Matrix: Drinking Water

Date Received: 06/14/22 10:20

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

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	95		70 - 130	06/17/22 10:29	06/21/22 15:12	1

- 1
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- 16

Surrogate Summary

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

Job ID: 620-5103-1

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCZ (80-120)	BFB (80-120)
620-5103-3	907 Bleecher-EFF	94	86
620-5103-4	907 Bleecher-MID	94	86
620-5103-5	907 Bleecher-INF	93	85
620-5103-12	56 Forest Edge	94	85
620-5103-14	907 Bleecher-FD	94	86
LCS 410-266165/4	Lab Control Sample	102	102
MB 410-266165/6	Method Blank	92	89

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (70-130)	TOL (70-130)	DCA (70-130)	DBFM (70-130)
620-5103-1	MW-1R	91	97	90	101
620-5103-6	MW-4S	91	98	87	99
620-5103-7	MW-4D	91	98	91	102
620-5103-8	MW-4D-FD	91	99	93	102
620-5103-9	MW-3D	90	97	88	99
620-5103-10	EB-060922	101	106	101	104
620-5103-13	Trip Blank	92	99	93	101
LCS 620-11999/4	Lab Control Sample	95	99	89	100
LCS 620-12053/4	Lab Control Sample	100	106	104	106
LCS 620-12054/4	Lab Control Sample	93	99	85	99
LCSD 620-11999/5	Lab Control Sample Dup	93	101	93	103
LCSD 620-12053/5	Lab Control Sample Dup	100	102	104	108
LCSD 620-12054/5	Lab Control Sample Dup	93	99	87	99
MB 620-11999/7	Method Blank	91	98	93	100
MB 620-12053/7	Method Blank	100	105	104	104
MB 620-12054/7	Method Blank	94	98	91	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (30-130)	2FP (15-110)	NBZ (30-130)	PHL (15-110)	TBP (15-110)	TPHL (30-130)
620-5103-11	PW-060922	67	43	61	30	74	68
LCS 620-11992/2-A	Lab Control Sample	80	49	78	38	93	100
LCSD 620-11992/3-A	Lab Control Sample Dup	90	57	88	41	97	103
MB 620-11992/1-A	Method Blank	85	59	82	39	83	101

Eurofins New England

Surrogate Summary

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

Job ID: 620-5103-1

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TBP = 2,4,6-Tribromophenol (Surr)
 TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (30-150)	DCB1 (30-150)
620-5103-11	PW-060922	86	61
LCS 620-11993/2-A	Lab Control Sample	77	116
LCSD 620-11993/3-A	Lab Control Sample Dup	88	125
MB 620-11993/1-A	Method Blank	81	114

Surrogate Legend

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (70-130)	PFHxA (70-130)	HFPODA (70-130)	d5NEFOS (70-130)
620-5103-2	907 Bleacher-FB	98	91	99	101
620-5103-3	907 Bleacher-EFF	106	102	103	108
620-5103-4	907 Bleacher-MID	109	106	111	109
620-5103-5	907 Bleacher-INF	98	108	114	93
620-5103-12	56 Forest Edge	97	95	96	98
620-5103-14	907 Bleacher-FD	97	102	107	95
LCS 410-266745/2-A	Lab Control Sample	99	94	95	97
LCS 410-267827/2-A	Lab Control Sample	92	100	103	99
LCSD 410-266745/3-A	Lab Control Sample Dup	97	95	99	97
MB 410-266745/1-A	Method Blank	103	96	101	101
MB 410-267827/1-A	Method Blank	101	105	108	104

Surrogate Legend

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

Isotope Dilution Summary

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

Job ID: 620-5103-1

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 (10-200)	M262FTS (17-200)	M282FTS (33-200)	PFTDA (10-179)	HFPODA (17-185)	C3PFBS (16-200)	PFBA (42-165)	C4PFHA (31-182)
620-5103-1	MW-1R	500 *5+	223 *5+	121	54	88	99	103	122
620-5103-6	MW-4S	493 *5+	379 *5+	224 *5+	28	76	178	96	107
620-5103-7	MW-4D	457 *5+	239 *5+	140	61	89	93	97	110
620-5103-8	MW-4D-FD	449 *5+	223 *5+	120	63	80	86	93	109
620-5103-9	MW-3D	384 *5+	311 *5+	174	77	84	180	83	101
620-5103-10	EB-060922	97	95	91	93	85	108	96	99
LCS 410-266861/2-A	Lab Control Sample	123	90	90	94	85	96	95	95
LCS 410-267221/2-A	Lab Control Sample	96	83	82	101	101	83	84	89
LCS 410-268456/3-A	Lab Control Sample	112	97	105	110	98	107	108	107
LCSD 410-266861/3-A	Lab Control Sample Dup	123	93	98	95	83	101	96	105
LCSD 410-267221/3-A	Lab Control Sample Dup	91	82	85	94	91	86	87	85
LCSD 410-268456/4-A	Lab Control Sample Dup	108	92	89	108	95	106	105	105
MB 410-266861/1-A	Method Blank	116	93	88	93	86	94	94	103
MB 410-267221/1-A	Method Blank	82	72	73	83	94	78	80	84
MB 410-268456/1-A	Method Blank	99	87	97	101	84	100	101	100

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFPeA (38-187)	C8PFOA (48-162)	C8PFOS (51-159)	d3NMFS (31-174)	d5NEFOS (29-195)	NEFM (10-177)	C3PFHS (28-188)	13C5PHA (24-179)
620-5103-1	MW-1R	115	115	92	105	111	65	107	125
620-5103-6	MW-4S	127	98	81	97	90	14	141	103
620-5103-7	MW-4D	111	106	91	97	96	51	98	115
620-5103-8	MW-4D-FD	101	95	91	91	94	48	92	106
620-5103-9	MW-3D	114	83	88	88	85	7 *5-	125	90
620-5103-10	EB-060922	106	98	106	89	97	61	108	96
LCS 410-266861/2-A	Lab Control Sample	96	101	95	87	99	68	97	94
LCS 410-267221/2-A	Lab Control Sample	82	88	85	90	90	68	89	90
LCS 410-268456/3-A	Lab Control Sample	111	107	110	103	109	100	115	105
LCSD 410-266861/3-A	Lab Control Sample Dup	100	99	108	107	101	79	104	99
LCSD 410-267221/3-A	Lab Control Sample Dup	85	87	87	93	98	79	90	86
LCSD 410-268456/4-A	Lab Control Sample Dup	107	101	104	114	111	97	108	105
MB 410-266861/1-A	Method Blank	99	100	95	97	99	78	101	101
MB 410-267221/1-A	Method Blank	80	83	80	83	82	67	82	81
MB 410-268456/1-A	Method Blank	107	99	101	103	102	95	104	98

		Percent Isotope Dilution Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	C6PFDA (49-163)	13C7PUA (34-174)	d3NMFS (10-155)	d5NPFSA (10-159)	PFOSA (10-168)	PFDODA (17-176)	C9PFNA (51-167)
620-5103-1	MW-1R	104	99	37	39	82	87	95
620-5103-6	MW-4S	87	84	3 *5-	2 *5-	58	68	69
620-5103-7	MW-4D	88	87	32	29	77	79	102
620-5103-8	MW-4D-FD	89	82	21	20	67	78	100
620-5103-9	MW-3D	92	82	2 *5-	2 *5-	40	84	89
620-5103-10	EB-060922	97	102	21	21	79	99	109
LCS 410-266861/2-A	Lab Control Sample	97	100	29	39	65	95	97
LCS 410-267221/2-A	Lab Control Sample	87	87	48	53	75	94	84
LCS 410-268456/3-A	Lab Control Sample	114	104	82	85	105	107	109
LCSD 410-266861/3-A	Lab Control Sample Dup	107	105	36	44	76	98	108
LCSD 410-267221/3-A	Lab Control Sample Dup	91	91	49	57	76	92	87
LCSD 410-268456/4-A	Lab Control Sample Dup	112	113	79	82	111	113	113
MB 410-266861/1-A	Method Blank	102	102	35	45	72	98	95

Isotope Dilution Summary

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

Job ID: 620-5103-1

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	C6PFDA (49-163)	13C7PUA (34-174)	d3NMFSA (10-155)	d5NPFSA (10-159)	PFOSA (10-168)	PFDODA (17-176)	C9PFNA (51-167)
MB 410-267221/1-A	Method Blank	77	79	41	48	65	79	84
MB 410-268456/1-A	Method Blank	100	101	67	73	99	103	93

Surrogate Legend

- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- PFTDA = 13C2 PFTeDA
- HFPODA = 13C3 HFPO-DA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFPeA = 13C5 PFPeA
- C8PFOA = 13C8 PFOA
- C8PFOS = 13C8 PFOS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- NEFM = d9-N-EtFOSE-M
- C3PFHS = 13C3 PFHxS
- 13C5PHA = 13C5 PFHxA
- C6PFDA = 13C6 PFDA
- 13C7PUA = 13C7 PFUnA
- d3NMFSA = d3-NMePFOSA
- d5NPFSA = d5-NEtPFOSA
- PFOSA = 13C8 FOSA
- PFDODA = 13C2-PFDODA
- C9PFNA = 13C9 PFNA

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 410-266165/6
Matrix: Drinking Water
Analysis Batch: 266165

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 10:17	1
1,1,1-Trichloroethane	ND		0.500	ug/L			06/16/22 10:17	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 10:17	1
1,1,2-Trichloroethane	ND		0.500	ug/L			06/16/22 10:17	1
1,1-Dichloroethane	ND		0.500	ug/L			06/16/22 10:17	1
1,1-Dichloroethene	ND		0.500	ug/L			06/16/22 10:17	1
1,1-Dichloropropene	ND		0.500	ug/L			06/16/22 10:17	1
1,2,3-Trichlorobenzene	ND		0.500	ug/L			06/16/22 10:17	1
1,2,3-Trichloropropane	ND		0.500	ug/L			06/16/22 10:17	1
1,2,4-Trichlorobenzene	ND		0.500	ug/L			06/16/22 10:17	1
1,2,4-Trimethylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
1,2-Dibromo-3-Chloropropane	ND		1.00	ug/L			06/16/22 10:17	1
1,2-Dibromoethane	ND		0.500	ug/L			06/16/22 10:17	1
1,2-Dichlorobenzene	ND		0.500	ug/L			06/16/22 10:17	1
1,2-Dichloroethane	ND		0.500	ug/L			06/16/22 10:17	1
1,2-Dichloropropane	ND		0.500	ug/L			06/16/22 10:17	1
1,3,5-Trimethylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
1,3-Dichlorobenzene	ND		0.500	ug/L			06/16/22 10:17	1
1,3-Dichloropropane	ND		0.500	ug/L			06/16/22 10:17	1
1,4-Dichlorobenzene	ND		0.500	ug/L			06/16/22 10:17	1
2,2-Dichloropropane	ND		0.500	ug/L			06/16/22 10:17	1
2-Butanone	ND		5.00	ug/L			06/16/22 10:17	1
2-Chlorotoluene	ND		0.500	ug/L			06/16/22 10:17	1
2-Hexanone	ND		5.00	ug/L			06/16/22 10:17	1
4-Chlorotoluene	ND		0.500	ug/L			06/16/22 10:17	1
4-Methyl-2-pentanone	ND		5.00	ug/L			06/16/22 10:17	1
Acetone	ND		10.0	ug/L			06/16/22 10:17	1
Acrylonitrile	ND		10.0	ug/L			06/16/22 10:17	1
Benzene	ND		0.500	ug/L			06/16/22 10:17	1
Bromobenzene	ND		0.500	ug/L			06/16/22 10:17	1
Bromochloromethane	ND		0.500	ug/L			06/16/22 10:17	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 10:17	1
Bromoform	ND		0.500	ug/L			06/16/22 10:17	1
Bromomethane	ND		0.500	ug/L			06/16/22 10:17	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 10:17	1
Carbon tetrachloride	ND		0.500	ug/L			06/16/22 10:17	1
Chlorobenzene	ND		0.500	ug/L			06/16/22 10:17	1
Chloroethane	ND		0.500	ug/L			06/16/22 10:17	1
Chloroform	ND		0.500	ug/L			06/16/22 10:17	1
Chloromethane	ND		0.500	ug/L			06/16/22 10:17	1
cis-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 10:17	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 10:17	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 10:17	1
Dibromomethane	ND		0.500	ug/L			06/16/22 10:17	1
Dichlorodifluoromethane	ND		0.500	ug/L			06/16/22 10:17	1
di-Isopropyl ether	ND		0.500	ug/L			06/16/22 10:17	1
Ethyl ether	ND		0.500	ug/L			06/16/22 10:17	1
Ethyl t-butyl ether	ND		0.500	ug/L			06/16/22 10:17	1

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 410-266165/6
Matrix: Drinking Water
Analysis Batch: 266165

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
Freon 113	ND		0.500	ug/L			06/16/22 10:17	1
Hexachlorobutadiene	ND		0.500	ug/L			06/16/22 10:17	1
Isopropylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
m&p-Xylene	ND		1.00	ug/L			06/16/22 10:17	1
Methyl tertiary butyl ether	ND		0.500	ug/L			06/16/22 10:17	1
Methylene Chloride	ND		0.500	ug/L			06/16/22 10:17	1
Naphthalene	ND		0.500	ug/L			06/16/22 10:17	1
n-Butylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
N-Propylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
o-Xylene	ND		0.500	ug/L			06/16/22 10:17	1
p-Isopropyltoluene	ND		0.500	ug/L			06/16/22 10:17	1
sec-Butylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
Styrene	ND		0.500	ug/L			06/16/22 10:17	1
t-Amyl methyl ether	ND		0.500	ug/L			06/16/22 10:17	1
t-Butyl alcohol	ND		25.0	ug/L			06/16/22 10:17	1
tert-Butylbenzene	ND		0.500	ug/L			06/16/22 10:17	1
Tetrachloroethene	ND		0.500	ug/L			06/16/22 10:17	1
Tetrahydrofuran	ND		7.00	ug/L			06/16/22 10:17	1
Toluene	ND		0.500	ug/L			06/16/22 10:17	1
trans-1,2-Dichloroethene	ND		0.500	ug/L			06/16/22 10:17	1
Trichloroethene	ND		0.500	ug/L			06/16/22 10:17	1
Trichlorofluoromethane	ND		0.500	ug/L			06/16/22 10:17	1
Vinyl chloride	ND		0.500	ug/L			06/16/22 10:17	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 10:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4 (Surr)	92		80 - 120		06/16/22 10:17	1
4-Bromofluorobenzene (Surr)	89		80 - 120		06/16/22 10:17	1

Lab Sample ID: LCS 410-266165/4
Matrix: Drinking Water
Analysis Batch: 266165

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.873		ug/L		97	70 - 130
1,1,1-Trichloroethane	5.00	4.564		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.611		ug/L		92	70 - 130
1,1,2-Trichloroethane	5.00	4.630		ug/L		93	70 - 130
1,1-Dichloroethane	5.00	4.084		ug/L		82	70 - 130
1,1-Dichloroethene	5.00	4.732		ug/L		95	70 - 130
1,1-Dichloropropene	5.00	4.577		ug/L		92	70 - 130
1,2,3-Trichlorobenzene	5.00	4.390		ug/L		88	70 - 130
1,2,3-Trichloropropane	5.00	4.351		ug/L		87	70 - 130
1,2,4-Trichlorobenzene	5.00	4.431		ug/L		89	70 - 130
1,2,4-Trimethylbenzene	5.00	4.670		ug/L		93	70 - 130
1,2-Dibromo-3-Chloropropane	5.00	4.463		ug/L		89	70 - 130
1,2-Dibromoethane	5.00	4.621		ug/L		92	70 - 130

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 410-266165/4
Matrix: Drinking Water
Analysis Batch: 266165

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	5.00	4.802		ug/L		96	70 - 130
1,2-Dichloroethane	5.00	4.279		ug/L		86	70 - 130
1,2-Dichloropropane	5.00	4.589		ug/L		92	70 - 130
1,3,5-Trimethylbenzene	5.00	4.601		ug/L		92	70 - 130
1,3-Dichlorobenzene	5.00	4.920		ug/L		98	70 - 130
1,3-Dichloropropane	5.00	4.391		ug/L		88	70 - 130
1,4-Dichlorobenzene	5.00	4.981		ug/L		100	70 - 130
2,2-Dichloropropane	5.00	4.698		ug/L		94	70 - 130
2-Butanone	62.5	51.72		ug/L		83	70 - 130
2-Chlorotoluene	5.00	4.731		ug/L		95	70 - 130
2-Hexanone	62.5	53.36		ug/L		85	70 - 130
4-Chlorotoluene	5.00	4.831		ug/L		97	70 - 130
4-Methyl-2-pentanone	62.5	52.83		ug/L		85	70 - 130
Acetone	62.5	48.92		ug/L		78	70 - 130
Acrylonitrile	113	88.51		ug/L		79	70 - 130
Benzene	5.00	4.669		ug/L		93	70 - 130
Bromobenzene	5.00	4.977		ug/L		100	70 - 130
Bromochloromethane	5.00	4.874		ug/L		97	70 - 130
Bromodichloromethane	5.00	4.612		ug/L		92	70 - 130
Bromoform	5.00	5.090		ug/L		102	70 - 130
Bromomethane	2.00	1.854		ug/L		93	70 - 130
Carbon disulfide	5.00	4.912		ug/L		98	70 - 130
Carbon tetrachloride	5.00	4.759		ug/L		95	70 - 130
Chlorobenzene	5.00	4.878		ug/L		98	70 - 130
Chloroethane	2.00	1.825		ug/L		91	70 - 130
Chloroform	5.00	4.582		ug/L		92	70 - 130
Chloromethane	2.00	1.826		ug/L		91	70 - 130
cis-1,2-Dichloroethene	5.00	4.708		ug/L		94	70 - 130
cis-1,3-Dichloropropene	5.00	4.240		ug/L		85	70 - 130
Dibromochloromethane	5.00	4.685		ug/L		94	70 - 130
Dibromomethane	5.00	4.670		ug/L		93	70 - 130
Dichlorodifluoromethane	2.00	1.932		ug/L		97	70 - 130
di-Isopropyl ether	5.00	4.348		ug/L		87	70 - 130
Ethyl ether	5.00	3.973		ug/L		79	70 - 130
Ethyl t-butyl ether	5.00	4.262		ug/L		85	70 - 130
Ethylbenzene	5.00	4.697		ug/L		94	70 - 130
Freon 113	5.00	4.790		ug/L		96	70 - 130
Hexachlorobutadiene	5.00	5.000		ug/L		100	70 - 130
Isopropylbenzene	5.00	4.556		ug/L		91	70 - 130
m&p-Xylene	10.0	9.661		ug/L		97	70 - 130
Methyl tertiary butyl ether	5.00	4.158		ug/L		83	70 - 130
Methylene Chloride	5.00	5.016		ug/L		100	70 - 130
Naphthalene	5.00	3.704		ug/L		74	70 - 130
n-Butylbenzene	5.00	4.623		ug/L		92	70 - 130
N-Propylbenzene	5.00	4.683		ug/L		94	70 - 130
o-Xylene	5.00	4.415		ug/L		88	70 - 130
p-Isopropyltoluene	5.00	4.728		ug/L		95	70 - 130
sec-Butylbenzene	5.00	4.785		ug/L		96	70 - 130
Styrene	5.00	4.750		ug/L		95	70 - 130

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 410-266165/4
Matrix: Drinking Water
Analysis Batch: 266165

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	4.021		ug/L		80	70 - 130
t-Butyl alcohol	50.0	42.65		ug/L		85	70 - 130
tert-Butylbenzene	5.00	4.886		ug/L		98	70 - 130
Tetrachloroethene	5.00	4.980		ug/L		100	70 - 130
Tetrahydrofuran	46.9	39.29		ug/L		84	70 - 130
Toluene	5.00	4.648		ug/L		93	70 - 130
trans-1,2-Dichloroethene	5.00	4.410		ug/L		88	70 - 130
Trichloroethene	5.00	4.456		ug/L		89	70 - 130
Trichlorofluoromethane	2.00	1.855		ug/L		93	70 - 130
Vinyl chloride	2.00	1.812		ug/L		91	70 - 130
trans-1,3-Dichloropropene	5.00	4.417		ug/L		88	70 - 130

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

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

Lab Sample ID: MB 620-11999/7
Matrix: Water
Analysis Batch: 11999

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/16/22 20:14	1
Acetone	ND		10.0	ug/L			06/16/22 20:14	1
Acrylonitrile	ND		0.500	ug/L			06/16/22 20:14	1
Benzene	ND		1.00	ug/L			06/16/22 20:14	1
Bromobenzene	ND		1.00	ug/L			06/16/22 20:14	1
Bromochloromethane	ND		1.00	ug/L			06/16/22 20:14	1
Bromodichloromethane	ND		0.500	ug/L			06/16/22 20:14	1
Bromoform	ND		1.00	ug/L			06/16/22 20:14	1
Bromomethane	ND		2.00	ug/L			06/16/22 20:14	1
2-Butanone (MEK)	ND		2.00	ug/L			06/16/22 20:14	1
n-Butylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
sec-Butylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
tert-Butylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
Carbon disulfide	ND		2.00	ug/L			06/16/22 20:14	1
Carbon tetrachloride	ND		1.00	ug/L			06/16/22 20:14	1
Chlorobenzene	ND		1.00	ug/L			06/16/22 20:14	1
Chloroethane	ND		2.00	ug/L			06/16/22 20:14	1
Chloroform	ND		1.00	ug/L			06/16/22 20:14	1
Chloromethane	ND		2.00	ug/L			06/16/22 20:14	1
2-Chlorotoluene	ND		1.00	ug/L			06/16/22 20:14	1
4-Chlorotoluene	ND		1.00	ug/L			06/16/22 20:14	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/16/22 20:14	1
Dibromochloromethane	ND		0.500	ug/L			06/16/22 20:14	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/16/22 20:14	1
Dibromomethane	ND		1.00	ug/L			06/16/22 20:14	1

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 620-11999/7
Matrix: Water
Analysis Batch: 11999

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.00	ug/L			06/16/22 20:14	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/16/22 20:14	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/16/22 20:14	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/16/22 20:14	1
1,1-Dichloroethane	ND		1.00	ug/L			06/16/22 20:14	1
1,2-Dichloroethane	ND		1.00	ug/L			06/16/22 20:14	1
1,1-Dichloroethene	ND		1.00	ug/L			06/16/22 20:14	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/16/22 20:14	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/16/22 20:14	1
1,2-Dichloropropane	ND		1.00	ug/L			06/16/22 20:14	1
1,3-Dichloropropane	ND		1.00	ug/L			06/16/22 20:14	1
2,2-Dichloropropane	ND		1.00	ug/L			06/16/22 20:14	1
1,1-Dichloropropene	ND		1.00	ug/L			06/16/22 20:14	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 20:14	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/16/22 20:14	1
Ethylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
Hexachlorobutadiene	ND		1.00	ug/L			06/16/22 20:14	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/16/22 20:14	1
Isopropylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
4-Isopropyltoluene	ND		1.00	ug/L			06/16/22 20:14	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/16/22 20:14	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/16/22 20:14	1
Methylene Chloride	ND		2.00	ug/L			06/16/22 20:14	1
Naphthalene	ND		2.00	ug/L			06/16/22 20:14	1
N-Propylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
Styrene	ND		1.00	ug/L			06/16/22 20:14	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/16/22 20:14	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/16/22 20:14	1
Tetrachloroethene	ND		1.00	ug/L			06/16/22 20:14	1
Toluene	ND		1.00	ug/L			06/16/22 20:14	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/16/22 20:14	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/16/22 20:14	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/16/22 20:14	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/16/22 20:14	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/16/22 20:14	1
Trichloroethene	ND		1.00	ug/L			06/16/22 20:14	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/16/22 20:14	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/16/22 20:14	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/16/22 20:14	1
Vinyl chloride	ND		1.00	ug/L			06/16/22 20:14	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/16/22 20:14	1
o-Xylene	ND		1.00	ug/L			06/16/22 20:14	1
Tetrahydrofuran	ND		2.00	ug/L			06/16/22 20:14	1
Ethyl ether	ND		1.00	ug/L			06/16/22 20:14	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/16/22 20:14	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/16/22 20:14	1
di-Isopropyl ether	ND		1.00	ug/L			06/16/22 20:14	1
tert-Butanol	ND		10.0	ug/L			06/16/22 20:14	1

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 620-11999/7
Matrix: Water
Analysis Batch: 11999

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		50.0	ug/L			06/16/22 20:14	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/16/22 20:14	1
Ethanol	ND		200	ug/L			06/16/22 20:14	1
MB MB								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				06/16/22 20:14	1
Toluene-d8 (Surr)	98		70 - 130				06/16/22 20:14	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130				06/16/22 20:14	1
Dibromofluoromethane (Surr)	100		70 - 130				06/16/22 20:14	1

Lab Sample ID: LCS 620-11999/4
Matrix: Water
Analysis Batch: 11999

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	24.42		ug/L		122	85 - 124
Acetone	20.0	15.15		ug/L		76	14 - 133
Acrylonitrile	20.0	19.94		ug/L		100	62 - 134
Benzene	20.0	21.04		ug/L		105	86 - 111
Bromobenzene	20.0	21.22		ug/L		106	82 - 120
Bromochloromethane	20.0	23.22		ug/L		116	83 - 123
Bromodichloromethane	20.0	20.39		ug/L		102	83 - 137
Bromoform	20.0	20.05		ug/L		100	91 - 137
Bromomethane	20.0	15.01		ug/L		75	29 - 148
2-Butanone (MEK)	20.0	16.01		ug/L		80	10 - 200
n-Butylbenzene	20.0	21.54		ug/L		108	85 - 138
sec-Butylbenzene	20.0	22.09		ug/L		110	75 - 118
tert-Butylbenzene	20.0	19.89		ug/L		99	85 - 122
Carbon disulfide	20.0	23.71		ug/L		119	69 - 150
Carbon tetrachloride	20.0	21.38		ug/L		107	84 - 123
Chlorobenzene	20.0	22.47		ug/L		112	93 - 115
Chloroethane	20.0	19.31		ug/L		97	56 - 155
Chloroform	20.0	21.15		ug/L		106	84 - 116
Chloromethane	20.0	19.50		ug/L		97	45 - 138
2-Chlorotoluene	20.0	21.32		ug/L		107	88 - 116
4-Chlorotoluene	20.0	21.35		ug/L		107	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	17.15		ug/L		86	70 - 139
Dibromochloromethane	20.0	19.67		ug/L		98	83 - 132
1,2-Dibromoethane (EDB)	20.0	20.17		ug/L		101	82 - 125
Dibromomethane	20.0	20.44		ug/L		102	80 - 125
1,2-Dichlorobenzene	20.0	21.97		ug/L		110	84 - 128
1,3-Dichlorobenzene	20.0	21.61		ug/L		108	85 - 120
1,4-Dichlorobenzene	20.0	22.40		ug/L		112	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	22.34		ug/L		112	36 - 131
1,1-Dichloroethane	20.0	20.42		ug/L		102	81 - 120
1,2-Dichloroethane	20.0	19.36		ug/L		97	82 - 116
1,1-Dichloroethene	20.0	23.14		ug/L		116	83 - 120

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 620-11999/4
Matrix: Water
Analysis Batch: 11999

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	20.0	21.19		ug/L		106	81 - 124
trans-1,2-Dichloroethene	20.0	23.31		ug/L		117	81 - 127
1,2-Dichloropropane	20.0	19.91		ug/L		100	76 - 132
1,3-Dichloropropane	20.0	20.51		ug/L		103	74 - 122
2,2-Dichloropropane	20.0	19.00		ug/L		95	77 - 130
1,1-Dichloropropene	20.0	20.95		ug/L		105	81 - 115
cis-1,3-Dichloropropene	20.0	18.91		ug/L		95	74 - 129
trans-1,3-Dichloropropene	20.0	20.02		ug/L		100	78 - 126
Ethylbenzene	20.0	22.34		ug/L		112	89 - 117
Hexachlorobutadiene	20.0	20.32		ug/L		102	77 - 118
2-Hexanone (MBK)	20.0	13.68		ug/L		68	37 - 123
Isopropylbenzene	20.0	21.58		ug/L		108	83 - 117
4-Isopropyltoluene	20.0	21.26		ug/L		106	83 - 124
Methyl tert-butyl ether	20.0	19.00		ug/L		95	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	14.02		ug/L		70	59 - 118
Methylene Chloride	20.0	22.71		ug/L		114	75 - 121
Naphthalene	20.0	18.55		ug/L		93	67 - 123
N-Propylbenzene	20.0	21.60		ug/L		108	84 - 128
Styrene	20.0	20.74		ug/L		104	78 - 127
1,1,1,2-Tetrachloroethane	20.0	22.05		ug/L		110	91 - 118
1,1,2,2-Tetrachloroethane	20.0	22.04		ug/L		110	77 - 129
Tetrachloroethene	20.0	21.19		ug/L		106	85 - 116
Toluene	20.0	21.27		ug/L		106	88 - 109
1,2,3-Trichlorobenzene	20.0	20.54		ug/L		103	67 - 134
1,2,4-Trichlorobenzene	20.0	19.85		ug/L		99	78 - 133
1,3,5-Trichlorobenzene	20.0	21.53		ug/L		108	77 - 127
1,1,1-Trichloroethane	20.0	21.27		ug/L		106	83 - 124
1,1,2-Trichloroethane	20.0	22.65		ug/L		113	84 - 132
Trichloroethene	20.0	21.66		ug/L		108	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	23.31		ug/L		117	82 - 126
1,2,3-Trichloropropane	20.0	21.10		ug/L		105	77 - 124
1,2,4-Trimethylbenzene	20.0	21.04		ug/L		105	89 - 126
1,3,5-Trimethylbenzene	20.0	21.13		ug/L		106	89 - 125
Vinyl chloride	20.0	19.83		ug/L		99	62 - 130
m-Xylene & p-Xylene	20.0	20.84		ug/L		104	85 - 123
o-Xylene	20.0	20.40		ug/L		102	85 - 119
Tetrahydrofuran	20.0	15.51		ug/L		78	60 - 133
Ethyl ether	20.0	20.08		ug/L		100	69 - 122
Tert-amyl methyl ether	20.0	18.15		ug/L		91	50 - 140
Ethyl tert-butyl ether	20.0	17.35		ug/L		87	60 - 131
di-Isopropyl ether	20.0	16.42		ug/L		82	67 - 125
tert-Butanol	200	160.6		ug/L		80	50 - 169
1,4-Dioxane	200	153.0		ug/L		76	28 - 150
trans-1,4-Dichloro-2-butene	20.0	15.96		ug/L		80	48 - 153
Ethanol	400	442.7		ug/L		111	47 - 170

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 620-11999/4
Matrix: Water
Analysis Batch: 11999

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
Toluene-d8 (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130

Lab Sample ID: LCSD 620-11999/5
Matrix: Water
Analysis Batch: 11999

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	25.52	*+	ug/L		128	85 - 124	4	20
Acetone	20.0	15.89		ug/L		79	14 - 133	5	20
Acrylonitrile	20.0	20.88		ug/L		104	62 - 134	5	20
Benzene	20.0	22.93	*+	ug/L		115	86 - 111	9	20
Bromobenzene	20.0	22.41		ug/L		112	82 - 120	5	20
Bromochloromethane	20.0	25.97	*+	ug/L		130	83 - 123	11	20
Bromodichloromethane	20.0	21.91		ug/L		110	83 - 137	7	20
Bromoform	20.0	21.36		ug/L		107	91 - 137	6	20
Bromomethane	20.0	16.20		ug/L		81	29 - 148	8	20
2-Butanone (MEK)	20.0	17.71		ug/L		89	10 - 200	10	20
n-Butylbenzene	20.0	22.86		ug/L		114	85 - 138	6	20
sec-Butylbenzene	20.0	22.81		ug/L		114	75 - 118	3	20
tert-Butylbenzene	20.0	21.13		ug/L		106	85 - 122	6	20
Carbon disulfide	20.0	25.49		ug/L		127	69 - 150	7	20
Carbon tetrachloride	20.0	22.83		ug/L		114	84 - 123	7	20
Chlorobenzene	20.0	23.66	*+	ug/L		118	93 - 115	5	20
Chloroethane	20.0	20.80		ug/L		104	56 - 155	7	20
Chloroform	20.0	22.90		ug/L		114	84 - 116	8	20
Chloromethane	20.0	21.17		ug/L		106	45 - 138	8	20
2-Chlorotoluene	20.0	22.11		ug/L		111	88 - 116	4	20
4-Chlorotoluene	20.0	22.56		ug/L		113	81 - 128	5	20
1,2-Dibromo-3-Chloropropane	20.0	17.96		ug/L		90	70 - 139	5	20
Dibromochloromethane	20.0	21.41		ug/L		107	83 - 132	8	20
1,2-Dibromoethane (EDB)	20.0	21.98		ug/L		110	82 - 125	9	20
Dibromomethane	20.0	22.12		ug/L		111	80 - 125	8	20
1,2-Dichlorobenzene	20.0	23.74		ug/L		119	84 - 128	8	20
1,3-Dichlorobenzene	20.0	23.12		ug/L		116	85 - 120	7	20
1,4-Dichlorobenzene	20.0	23.96	*+	ug/L		120	86 - 116	7	20
Dichlorodifluoromethane (Freon 12)	20.0	23.99		ug/L		120	36 - 131	7	20
1,1-Dichloroethane	20.0	22.06		ug/L		110	81 - 120	8	20
1,2-Dichloroethane	20.0	20.49		ug/L		102	82 - 116	6	20
1,1-Dichloroethene	20.0	24.69	*+	ug/L		123	83 - 120	6	20
cis-1,2-Dichloroethene	20.0	23.38		ug/L		117	81 - 124	10	20
trans-1,2-Dichloroethene	20.0	25.27		ug/L		126	81 - 127	8	20
1,2-Dichloropropane	20.0	21.86		ug/L		109	76 - 132	9	20
1,3-Dichloropropane	20.0	22.31		ug/L		112	74 - 122	8	20
2,2-Dichloropropane	20.0	20.52		ug/L		103	77 - 130	8	20

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 620-11999/5
Matrix: Water
Analysis Batch: 11999

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	22.70		ug/L		114	81 - 115	8	20
cis-1,3-Dichloropropene	20.0	20.48		ug/L		102	74 - 129	8	20
trans-1,3-Dichloropropene	20.0	21.43		ug/L		107	78 - 126	7	20
Ethylbenzene	20.0	23.55	*+	ug/L		118	89 - 117	5	20
Hexachlorobutadiene	20.0	21.53		ug/L		108	77 - 118	6	20
2-Hexanone (MBK)	20.0	14.55		ug/L		73	37 - 123	6	20
Isopropylbenzene	20.0	22.72		ug/L		114	83 - 117	5	20
4-Isopropyltoluene	20.0	22.45		ug/L		112	83 - 124	5	20
Methyl tert-butyl ether	20.0	20.65		ug/L		103	70 - 126	8	20
4-Methyl-2-pentanone (MIBK)	20.0	14.90		ug/L		75	59 - 118	6	20
Methylene Chloride	20.0	24.83	*+	ug/L		124	75 - 121	9	20
Naphthalene	20.0	19.63		ug/L		98	67 - 123	6	20
N-Propylbenzene	20.0	22.41		ug/L		112	84 - 128	4	20
Styrene	20.0	21.77		ug/L		109	78 - 127	5	20
1,1,1,2-Tetrachloroethane	20.0	23.49		ug/L		117	91 - 118	6	20
1,1,2,2-Tetrachloroethane	20.0	22.99		ug/L		115	77 - 129	4	20
Tetrachloroethene	20.0	22.73		ug/L		114	85 - 116	7	20
Toluene	20.0	22.91	*+	ug/L		115	88 - 109	7	20
1,2,3-Trichlorobenzene	20.0	21.78		ug/L		109	67 - 134	6	20
1,2,4-Trichlorobenzene	20.0	21.38		ug/L		107	78 - 133	7	20
1,3,5-Trichlorobenzene	20.0	22.85		ug/L		114	77 - 127	6	20
1,1,1-Trichloroethane	20.0	22.67		ug/L		113	83 - 124	6	20
1,1,2-Trichloroethane	20.0	24.70		ug/L		124	84 - 132	9	20
Trichloroethene	20.0	23.11		ug/L		116	74 - 118	6	20
Trichlorofluoromethane (Freon 11)	20.0	25.12		ug/L		126	82 - 126	7	20
1,2,3-Trichloropropane	20.0	22.65		ug/L		113	77 - 124	7	20
1,2,4-Trimethylbenzene	20.0	22.09		ug/L		110	89 - 126	5	20
1,3,5-Trimethylbenzene	20.0	22.16		ug/L		111	89 - 125	5	20
Vinyl chloride	20.0	21.16		ug/L		106	62 - 130	6	20
m-Xylene & p-Xylene	20.0	22.04		ug/L		110	85 - 123	6	20
o-Xylene	20.0	21.42		ug/L		107	85 - 119	5	20
Tetrahydrofuran	20.0	16.51		ug/L		83	60 - 133	6	20
Ethyl ether	20.0	22.20		ug/L		111	69 - 122	10	20
Tert-amyl methyl ether	20.0	20.32		ug/L		102	50 - 140	11	20
Ethyl tert-butyl ether	20.0	19.31		ug/L		97	60 - 131	11	20
di-Isopropyl ether	20.0	18.22		ug/L		91	67 - 125	10	20
tert-Butanol	200	167.6		ug/L		84	50 - 169	4	20
1,4-Dioxane	200	169.9		ug/L		85	28 - 150	10	20
trans-1,4-Dichloro-2-butene	20.0	17.18		ug/L		86	48 - 153	7	20
Ethanol	400	463.4		ug/L		116	47 - 170	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Toluene-d8 (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 620-12053/7
Matrix: Water
Analysis Batch: 12053

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/17/22 21:00	1
Acetone	ND		10.0	ug/L			06/17/22 21:00	1
Acrylonitrile	ND		0.500	ug/L			06/17/22 21:00	1
Benzene	ND		1.00	ug/L			06/17/22 21:00	1
Bromobenzene	ND		1.00	ug/L			06/17/22 21:00	1
Bromochloromethane	ND		1.00	ug/L			06/17/22 21:00	1
Bromodichloromethane	ND		0.500	ug/L			06/17/22 21:00	1
Bromoform	ND		1.00	ug/L			06/17/22 21:00	1
Bromomethane	ND		2.00	ug/L			06/17/22 21:00	1
2-Butanone (MEK)	ND		2.00	ug/L			06/17/22 21:00	1
n-Butylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
sec-Butylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
tert-Butylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
Carbon disulfide	ND		2.00	ug/L			06/17/22 21:00	1
Carbon tetrachloride	ND		1.00	ug/L			06/17/22 21:00	1
Chlorobenzene	ND		1.00	ug/L			06/17/22 21:00	1
Chloroethane	ND		2.00	ug/L			06/17/22 21:00	1
Chloroform	ND		1.00	ug/L			06/17/22 21:00	1
Chloromethane	ND		2.00	ug/L			06/17/22 21:00	1
2-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:00	1
4-Chlorotoluene	ND		1.00	ug/L			06/17/22 21:00	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/17/22 21:00	1
Dibromochloromethane	ND		0.500	ug/L			06/17/22 21:00	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/17/22 21:00	1
Dibromomethane	ND		1.00	ug/L			06/17/22 21:00	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:00	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:00	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/17/22 21:00	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/17/22 21:00	1
1,1-Dichloroethane	ND		1.00	ug/L			06/17/22 21:00	1
1,2-Dichloroethane	ND		1.00	ug/L			06/17/22 21:00	1
1,1-Dichloroethene	ND		1.00	ug/L			06/17/22 21:00	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:00	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 21:00	1
1,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:00	1
1,3-Dichloropropane	ND		1.00	ug/L			06/17/22 21:00	1
2,2-Dichloropropane	ND		1.00	ug/L			06/17/22 21:00	1
1,1-Dichloropropene	ND		1.00	ug/L			06/17/22 21:00	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:00	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 21:00	1
Ethylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
Hexachlorobutadiene	ND		1.00	ug/L			06/17/22 21:00	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/17/22 21:00	1
Isopropylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
4-Isopropyltoluene	ND		1.00	ug/L			06/17/22 21:00	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:00	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/17/22 21:00	1
Methylene Chloride	ND		2.00	ug/L			06/17/22 21:00	1

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 620-12053/7
Matrix: Water
Analysis Batch: 12053

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.00	ug/L			06/17/22 21:00	1
N-Propylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
Styrene	ND		1.00	ug/L			06/17/22 21:00	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/17/22 21:00	1
1,1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/17/22 21:00	1
Tetrachloroethene	ND		1.00	ug/L			06/17/22 21:00	1
Toluene	ND		1.00	ug/L			06/17/22 21:00	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:00	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:00	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/17/22 21:00	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/17/22 21:00	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/17/22 21:00	1
Trichloroethene	ND		1.00	ug/L			06/17/22 21:00	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/17/22 21:00	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/17/22 21:00	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/17/22 21:00	1
Vinyl chloride	ND		1.00	ug/L			06/17/22 21:00	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/17/22 21:00	1
o-Xylene	ND		1.00	ug/L			06/17/22 21:00	1
Tetrahydrofuran	ND		2.00	ug/L			06/17/22 21:00	1
Ethyl ether	ND		1.00	ug/L			06/17/22 21:00	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/17/22 21:00	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/17/22 21:00	1
di-Isopropyl ether	ND		1.00	ug/L			06/17/22 21:00	1
tert-Butanol	ND		10.0	ug/L			06/17/22 21:00	1
1,4-Dioxane	ND		50.0	ug/L			06/17/22 21:00	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/17/22 21:00	1
Ethanol	ND		200	ug/L			06/17/22 21:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		06/17/22 21:00	1
Toluene-d8 (Surr)	105		70 - 130		06/17/22 21:00	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		06/17/22 21:00	1
Dibromofluoromethane (Surr)	104		70 - 130		06/17/22 21:00	1

Lab Sample ID: LCS 620-12053/4
Matrix: Water
Analysis Batch: 12053

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	22.31		ug/L		112	85 - 124
Acetone	20.0	14.68		ug/L		73	14 - 133
Acrylonitrile	20.0	17.35		ug/L		87	62 - 134
Benzene	20.0	19.63		ug/L		98	86 - 111
Bromobenzene	20.0	19.76		ug/L		99	82 - 120
Bromochloromethane	20.0	20.26		ug/L		101	83 - 123
Bromodichloromethane	20.0	18.53		ug/L		93	83 - 137

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 620-12053/4
Matrix: Water
Analysis Batch: 12053

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	14.58	*-	ug/L		73	91 - 137
Bromomethane	20.0	32.02	*+	ug/L		160	29 - 148
2-Butanone (MEK)	20.0	15.30		ug/L		76	10 - 200
n-Butylbenzene	20.0	19.47		ug/L		97	85 - 138
sec-Butylbenzene	20.0	20.12		ug/L		101	75 - 118
tert-Butylbenzene	20.0	20.67		ug/L		103	85 - 122
Carbon disulfide	20.0	19.49		ug/L		97	69 - 150
Carbon tetrachloride	20.0	19.99		ug/L		100	84 - 123
Chlorobenzene	20.0	19.79		ug/L		99	93 - 115
Chloroethane	20.0	25.93		ug/L		130	56 - 155
Chloroform	20.0	21.48		ug/L		107	84 - 116
Chloromethane	20.0	23.30		ug/L		116	45 - 138
2-Chlorotoluene	20.0	19.76		ug/L		99	88 - 116
4-Chlorotoluene	20.0	19.26		ug/L		96	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	14.67		ug/L		73	70 - 139
Dibromochloromethane	20.0	18.26		ug/L		91	83 - 132
1,2-Dibromoethane (EDB)	20.0	20.44		ug/L		102	82 - 125
Dibromomethane	20.0	18.48		ug/L		92	80 - 125
1,2-Dichlorobenzene	20.0	18.93		ug/L		95	84 - 128
1,3-Dichlorobenzene	20.0	20.46		ug/L		102	85 - 120
1,4-Dichlorobenzene	20.0	19.62		ug/L		98	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	24.45		ug/L		122	36 - 131
1,1-Dichloroethane	20.0	20.24		ug/L		101	81 - 120
1,2-Dichloroethane	20.0	21.24		ug/L		106	82 - 116
1,1-Dichloroethene	20.0	20.93		ug/L		105	83 - 120
cis-1,2-Dichloroethene	20.0	20.37		ug/L		102	81 - 124
trans-1,2-Dichloroethene	20.0	20.79		ug/L		104	81 - 127
1,2-Dichloropropane	20.0	18.13		ug/L		91	76 - 132
1,3-Dichloropropane	20.0	20.41		ug/L		102	74 - 122
2,2-Dichloropropane	20.0	19.06		ug/L		95	77 - 130
1,1-Dichloropropene	20.0	20.30		ug/L		101	81 - 115
cis-1,3-Dichloropropene	20.0	17.75		ug/L		89	74 - 129
trans-1,3-Dichloropropene	20.0	17.62		ug/L		88	78 - 126
Ethylbenzene	20.0	18.94		ug/L		95	89 - 117
Hexachlorobutadiene	20.0	19.08		ug/L		95	77 - 118
2-Hexanone (MBK)	20.0	13.06		ug/L		65	37 - 123
Isopropylbenzene	20.0	19.64		ug/L		98	83 - 117
4-Isopropyltoluene	20.0	18.51		ug/L		93	83 - 124
Methyl tert-butyl ether	20.0	17.49		ug/L		87	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	14.04		ug/L		70	59 - 118
Methylene Chloride	20.0	20.69		ug/L		103	75 - 121
Naphthalene	20.0	18.20		ug/L		91	67 - 123
N-Propylbenzene	20.0	19.60		ug/L		98	84 - 128
Styrene	20.0	18.08		ug/L		90	78 - 127
1,1,1,2-Tetrachloroethane	20.0	17.53	*-	ug/L		88	91 - 118
1,1,1,2,2-Tetrachloroethane	20.0	18.97		ug/L		95	77 - 129
Tetrachloroethene	20.0	21.35		ug/L		107	85 - 116
Toluene	20.0	20.28		ug/L		101	88 - 109

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 620-12053/4
Matrix: Water
Analysis Batch: 12053

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	20.0	19.80		ug/L		99	67 - 134
1,2,4-Trichlorobenzene	20.0	20.70		ug/L		103	78 - 133
1,3,5-Trichlorobenzene	20.0	19.97		ug/L		100	77 - 127
1,1,1-Trichloroethane	20.0	20.77		ug/L		104	83 - 124
1,1,2-Trichloroethane	20.0	20.31		ug/L		102	84 - 132
Trichloroethene	20.0	21.38		ug/L		107	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	23.47		ug/L		117	82 - 126
1,2,3-Trichloropropane	20.0	18.38		ug/L		92	77 - 124
1,2,4-Trimethylbenzene	20.0	19.17		ug/L		96	89 - 126
1,3,5-Trimethylbenzene	20.0	18.93		ug/L		95	89 - 125
Vinyl chloride	20.0	26.27	*+	ug/L		131	62 - 130
m-Xylene & p-Xylene	20.0	18.89		ug/L		94	85 - 123
o-Xylene	20.0	19.51		ug/L		98	85 - 119
Tetrahydrofuran	20.0	16.08		ug/L		80	60 - 133
Ethyl ether	20.0	18.44		ug/L		92	69 - 122
Tert-amyl methyl ether	20.0	16.99		ug/L		85	50 - 140
Ethyl tert-butyl ether	20.0	16.85		ug/L		84	60 - 131
di-Isopropyl ether	20.0	16.87		ug/L		84	67 - 125
tert-Butanol	200	176.5		ug/L		88	50 - 169
1,4-Dioxane	200	181.0		ug/L		90	28 - 150
trans-1,4-Dichloro-2-butene	20.0	17.79		ug/L		89	48 - 153
Ethanol	400	363.7		ug/L		91	47 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130

Lab Sample ID: LCSD 620-12053/5
Matrix: Water
Analysis Batch: 12053

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	21.34		ug/L		107	85 - 124	4	20
Acetone	20.0	16.48		ug/L		82	14 - 133	12	20
Acrylonitrile	20.0	17.57		ug/L		88	62 - 134	1	20
Benzene	20.0	18.99		ug/L		95	86 - 111	3	20
Bromobenzene	20.0	19.62		ug/L		98	82 - 120	1	20
Bromochloromethane	20.0	20.36		ug/L		102	83 - 123	1	20
Bromodichloromethane	20.0	19.15		ug/L		96	83 - 137	3	20
Bromoform	20.0	14.86	*-	ug/L		74	91 - 137	2	20
Bromomethane	20.0	29.87	*+	ug/L		149	29 - 148	7	20
2-Butanone (MEK)	20.0	14.91		ug/L		75	10 - 200	3	20
n-Butylbenzene	20.0	19.42		ug/L		97	85 - 138	0	20
sec-Butylbenzene	20.0	19.94		ug/L		100	75 - 118	1	20
tert-Butylbenzene	20.0	19.85		ug/L		99	85 - 122	4	20

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 620-12053/5
Matrix: Water
Analysis Batch: 12053

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	18.89		ug/L		94	69 - 150	3	20
Carbon tetrachloride	20.0	19.31		ug/L		97	84 - 123	3	20
Chlorobenzene	20.0	19.48		ug/L		97	93 - 115	2	20
Chloroethane	20.0	24.84		ug/L		124	56 - 155	4	20
Chloroform	20.0	21.04		ug/L		105	84 - 116	2	20
Chloromethane	20.0	23.60		ug/L		118	45 - 138	1	20
2-Chlorotoluene	20.0	19.64		ug/L		98	88 - 116	1	20
4-Chlorotoluene	20.0	19.39		ug/L		97	81 - 128	1	20
1,2-Dibromo-3-Chloropropane	20.0	14.69		ug/L		73	70 - 139	0	20
Dibromochloromethane	20.0	17.70		ug/L		89	83 - 132	3	20
1,2-Dibromoethane (EDB)	20.0	19.48		ug/L		97	82 - 125	5	20
Dibromomethane	20.0	20.41		ug/L		102	80 - 125	10	20
1,2-Dichlorobenzene	20.0	19.07		ug/L		95	84 - 128	1	20
1,3-Dichlorobenzene	20.0	20.35		ug/L		102	85 - 120	1	20
1,4-Dichlorobenzene	20.0	19.52		ug/L		98	86 - 116	1	20
Dichlorodifluoromethane (Freon 12)	20.0	23.34		ug/L		117	36 - 131	5	20
1,1-Dichloroethane	20.0	19.39		ug/L		97	81 - 120	4	20
1,2-Dichloroethane	20.0	21.25		ug/L		106	82 - 116	0	20
1,1-Dichloroethene	20.0	20.04		ug/L		100	83 - 120	4	20
cis-1,2-Dichloroethene	20.0	20.12		ug/L		101	81 - 124	1	20
trans-1,2-Dichloroethene	20.0	20.45		ug/L		102	81 - 127	2	20
1,2-Dichloropropane	20.0	18.45		ug/L		92	76 - 132	2	20
1,3-Dichloropropane	20.0	19.71		ug/L		99	74 - 122	3	20
2,2-Dichloropropane	20.0	18.31		ug/L		92	77 - 130	4	20
1,1-Dichloropropene	20.0	19.63		ug/L		98	81 - 115	3	20
cis-1,3-Dichloropropene	20.0	17.03		ug/L		85	74 - 129	4	20
trans-1,3-Dichloropropene	20.0	17.25		ug/L		86	78 - 126	2	20
Ethylbenzene	20.0	18.87		ug/L		94	89 - 117	0	20
Hexachlorobutadiene	20.0	19.23		ug/L		96	77 - 118	1	20
2-Hexanone (MBK)	20.0	13.80		ug/L		69	37 - 123	6	20
Isopropylbenzene	20.0	19.55		ug/L		98	83 - 117	0	20
4-Isopropyltoluene	20.0	18.41		ug/L		92	83 - 124	1	20
Methyl tert-butyl ether	20.0	17.60		ug/L		88	70 - 126	1	20
4-Methyl-2-pentanone (MIBK)	20.0	13.95		ug/L		70	59 - 118	1	20
Methylene Chloride	20.0	20.36		ug/L		102	75 - 121	2	20
Naphthalene	20.0	18.26		ug/L		91	67 - 123	0	20
N-Propylbenzene	20.0	19.58		ug/L		98	84 - 128	0	20
Styrene	20.0	18.12		ug/L		91	78 - 127	0	20
1,1,1,2-Tetrachloroethane	20.0	17.60	*	ug/L		88	91 - 118	0	20
1,1,2,2-Tetrachloroethane	20.0	18.76		ug/L		94	77 - 129	1	20
Tetrachloroethene	20.0	20.63		ug/L		103	85 - 116	3	20
Toluene	20.0	19.45		ug/L		97	88 - 109	4	20
1,2,3-Trichlorobenzene	20.0	19.61		ug/L		98	67 - 134	1	20
1,2,4-Trichlorobenzene	20.0	20.59		ug/L		103	78 - 133	1	20
1,3,5-Trichlorobenzene	20.0	19.92		ug/L		100	77 - 127	0	20
1,1,1-Trichloroethane	20.0	20.07		ug/L		100	83 - 124	3	20
1,1,2-Trichloroethane	20.0	19.81		ug/L		99	84 - 132	2	20
Trichloroethene	20.0	20.32		ug/L		102	74 - 118	5	20

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 620-12053/5
Matrix: Water
Analysis Batch: 12053

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	22.40		ug/L		112	82 - 126	5	20
1,2,3-Trichloropropane	20.0	18.11		ug/L		91	77 - 124	1	20
1,2,4-Trimethylbenzene	20.0	19.28		ug/L		96	89 - 126	1	20
1,3,5-Trimethylbenzene	20.0	18.91		ug/L		95	89 - 125	0	20
Vinyl chloride	20.0	27.16	*+	ug/L		136	62 - 130	3	20
m-Xylene & p-Xylene	20.0	18.68		ug/L		93	85 - 123	1	20
o-Xylene	20.0	19.23		ug/L		96	85 - 119	1	20
Tetrahydrofuran	20.0	16.05		ug/L		80	60 - 133	0	20
Ethyl ether	20.0	18.58		ug/L		93	69 - 122	1	20
Tert-amyl methyl ether	20.0	17.87		ug/L		89	50 - 140	5	20
Ethyl tert-butyl ether	20.0	17.40		ug/L		87	60 - 131	3	20
di-Isopropyl ether	20.0	16.63		ug/L		83	67 - 125	1	20
tert-Butanol	200	163.3		ug/L		82	50 - 169	8	20
1,4-Dioxane	200	178.5		ug/L		89	28 - 150	1	20
trans-1,4-Dichloro-2-butene	20.0	17.02		ug/L		85	48 - 153	4	20
Ethanol	400	378.4		ug/L		95	47 - 170	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Lab Sample ID: MB 620-12054/7
Matrix: Water
Analysis Batch: 12054

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		1.00	ug/L			06/17/22 19:42	1
Acetone	ND		10.0	ug/L			06/17/22 19:42	1
Acrylonitrile	ND		0.500	ug/L			06/17/22 19:42	1
Benzene	ND		1.00	ug/L			06/17/22 19:42	1
Bromobenzene	ND		1.00	ug/L			06/17/22 19:42	1
Bromochloromethane	ND		1.00	ug/L			06/17/22 19:42	1
Bromodichloromethane	ND		0.500	ug/L			06/17/22 19:42	1
Bromoform	ND		1.00	ug/L			06/17/22 19:42	1
Bromomethane	ND		2.00	ug/L			06/17/22 19:42	1
2-Butanone (MEK)	ND		2.00	ug/L			06/17/22 19:42	1
n-Butylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
sec-Butylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
tert-Butylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
Carbon disulfide	ND		2.00	ug/L			06/17/22 19:42	1
Carbon tetrachloride	ND		1.00	ug/L			06/17/22 19:42	1
Chlorobenzene	ND		1.00	ug/L			06/17/22 19:42	1
Chloroethane	ND		2.00	ug/L			06/17/22 19:42	1
Chloroform	ND		1.00	ug/L			06/17/22 19:42	1
Chloromethane	ND		2.00	ug/L			06/17/22 19:42	1

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 620-12054/7
Matrix: Water
Analysis Batch: 12054

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		1.00	ug/L			06/17/22 19:42	1
4-Chlorotoluene	ND		1.00	ug/L			06/17/22 19:42	1
1,2-Dibromo-3-Chloropropane	ND		2.00	ug/L			06/17/22 19:42	1
Dibromochloromethane	ND		0.500	ug/L			06/17/22 19:42	1
1,2-Dibromoethane (EDB)	ND		0.500	ug/L			06/17/22 19:42	1
Dibromomethane	ND		1.00	ug/L			06/17/22 19:42	1
1,2-Dichlorobenzene	ND		1.00	ug/L			06/17/22 19:42	1
1,3-Dichlorobenzene	ND		1.00	ug/L			06/17/22 19:42	1
1,4-Dichlorobenzene	ND		1.00	ug/L			06/17/22 19:42	1
Dichlorodifluoromethane (Freon 12)	ND		2.00	ug/L			06/17/22 19:42	1
1,1-Dichloroethane	ND		1.00	ug/L			06/17/22 19:42	1
1,2-Dichloroethane	ND		1.00	ug/L			06/17/22 19:42	1
1,1-Dichloroethene	ND		1.00	ug/L			06/17/22 19:42	1
cis-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 19:42	1
trans-1,2-Dichloroethene	ND		1.00	ug/L			06/17/22 19:42	1
1,2-Dichloropropane	ND		1.00	ug/L			06/17/22 19:42	1
1,3-Dichloropropane	ND		1.00	ug/L			06/17/22 19:42	1
2,2-Dichloropropane	ND		1.00	ug/L			06/17/22 19:42	1
1,1-Dichloropropene	ND		1.00	ug/L			06/17/22 19:42	1
cis-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 19:42	1
trans-1,3-Dichloropropene	ND		0.500	ug/L			06/17/22 19:42	1
Ethylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
Hexachlorobutadiene	ND		1.00	ug/L			06/17/22 19:42	1
2-Hexanone (MBK)	ND		2.00	ug/L			06/17/22 19:42	1
Isopropylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
4-Isopropyltoluene	ND		1.00	ug/L			06/17/22 19:42	1
Methyl tert-butyl ether	ND		1.00	ug/L			06/17/22 19:42	1
4-Methyl-2-pentanone (MIBK)	ND		2.00	ug/L			06/17/22 19:42	1
Methylene Chloride	ND		2.00	ug/L			06/17/22 19:42	1
Naphthalene	ND		2.00	ug/L			06/17/22 19:42	1
N-Propylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
Styrene	ND		1.00	ug/L			06/17/22 19:42	1
1,1,1,2-Tetrachloroethane	ND		1.00	ug/L			06/17/22 19:42	1
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L			06/17/22 19:42	1
Tetrachloroethene	ND		1.00	ug/L			06/17/22 19:42	1
Toluene	ND		1.00	ug/L			06/17/22 19:42	1
1,2,3-Trichlorobenzene	ND		1.00	ug/L			06/17/22 19:42	1
1,2,4-Trichlorobenzene	ND		1.00	ug/L			06/17/22 19:42	1
1,3,5-Trichlorobenzene	ND		1.00	ug/L			06/17/22 19:42	1
1,1,1-Trichloroethane	ND		1.00	ug/L			06/17/22 19:42	1
1,1,2-Trichloroethane	ND		1.00	ug/L			06/17/22 19:42	1
Trichloroethene	ND		1.00	ug/L			06/17/22 19:42	1
Trichlorofluoromethane (Freon 11)	ND		1.00	ug/L			06/17/22 19:42	1
1,2,3-Trichloropropane	ND		1.00	ug/L			06/17/22 19:42	1
1,2,4-Trimethylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
1,3,5-Trimethylbenzene	ND		1.00	ug/L			06/17/22 19:42	1
Vinyl chloride	ND		1.00	ug/L			06/17/22 19:42	1
m-Xylene & p-Xylene	ND		1.00	ug/L			06/17/22 19:42	1
o-Xylene	ND		1.00	ug/L			06/17/22 19:42	1

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 620-12054/7
Matrix: Water
Analysis Batch: 12054

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	ND		2.00	ug/L			06/17/22 19:42	1
Ethyl ether	ND		1.00	ug/L			06/17/22 19:42	1
Tert-amyl methyl ether	ND		1.00	ug/L			06/17/22 19:42	1
Ethyl tert-butyl ether	ND		1.00	ug/L			06/17/22 19:42	1
di-Isopropyl ether	ND		1.00	ug/L			06/17/22 19:42	1
tert-Butanol	ND		10.0	ug/L			06/17/22 19:42	1
1,4-Dioxane	ND		50.0	ug/L			06/17/22 19:42	1
trans-1,4-Dichloro-2-butene	ND		5.00	ug/L			06/17/22 19:42	1
Ethanol	ND		200	ug/L			06/17/22 19:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		06/17/22 19:42	1
Toluene-d8 (Surr)	98		70 - 130		06/17/22 19:42	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		06/17/22 19:42	1
Dibromofluoromethane (Surr)	100		70 - 130		06/17/22 19:42	1

Lab Sample ID: LCS 620-12054/4
Matrix: Water
Analysis Batch: 12054

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	24.32		ug/L		122	85 - 124
Acetone	20.0	14.02		ug/L		70	14 - 133
Acrylonitrile	20.0	19.03		ug/L		95	62 - 134
Benzene	20.0	21.67		ug/L		108	86 - 111
Bromobenzene	20.0	21.28		ug/L		106	82 - 120
Bromochloromethane	20.0	23.89		ug/L		119	83 - 123
Bromodichloromethane	20.0	20.43		ug/L		102	83 - 137
Bromoform	20.0	19.98		ug/L		100	91 - 137
Bromomethane	20.0	15.36		ug/L		77	29 - 148
2-Butanone (MEK)	20.0	15.69		ug/L		78	10 - 200
n-Butylbenzene	20.0	22.73		ug/L		114	85 - 138
sec-Butylbenzene	20.0	22.09		ug/L		110	75 - 118
tert-Butylbenzene	20.0	20.04		ug/L		100	85 - 122
Carbon disulfide	20.0	23.27		ug/L		116	69 - 150
Carbon tetrachloride	20.0	21.28		ug/L		106	84 - 123
Chlorobenzene	20.0	22.82		ug/L		114	93 - 115
Chloroethane	20.0	18.53		ug/L		93	56 - 155
Chloroform	20.0	21.41		ug/L		107	84 - 116
Chloromethane	20.0	18.67		ug/L		93	45 - 138
2-Chlorotoluene	20.0	21.47		ug/L		107	88 - 116
4-Chlorotoluene	20.0	21.36		ug/L		107	81 - 128
1,2-Dibromo-3-Chloropropane	20.0	18.21		ug/L		91	70 - 139
Dibromochloromethane	20.0	19.71		ug/L		99	83 - 132
1,2-Dibromoethane (EDB)	20.0	20.36		ug/L		102	82 - 125
Dibromomethane	20.0	20.44		ug/L		102	80 - 125
1,2-Dichlorobenzene	20.0	22.58		ug/L		113	84 - 128
1,3-Dichlorobenzene	20.0	21.36		ug/L		107	85 - 120

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 620-12054/4
Matrix: Water
Analysis Batch: 12054

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	20.0	23.11		ug/L		116	86 - 116
Dichlorodifluoromethane (Freon 12)	20.0	20.98		ug/L		105	36 - 131
1,1-Dichloroethane	20.0	20.65		ug/L		103	81 - 120
1,2-Dichloroethane	20.0	18.71		ug/L		94	82 - 116
1,1-Dichloroethene	20.0	23.52		ug/L		118	83 - 120
cis-1,2-Dichloroethene	20.0	22.09		ug/L		110	81 - 124
trans-1,2-Dichloroethene	20.0	23.59		ug/L		118	81 - 127
1,2-Dichloropropane	20.0	20.85		ug/L		104	76 - 132
1,3-Dichloropropane	20.0	20.77		ug/L		104	74 - 122
2,2-Dichloropropane	20.0	19.84		ug/L		99	77 - 130
1,1-Dichloropropene	20.0	21.83		ug/L		109	81 - 115
cis-1,3-Dichloropropene	20.0	19.86		ug/L		99	74 - 129
trans-1,3-Dichloropropene	20.0	20.42		ug/L		102	78 - 126
Ethylbenzene	20.0	22.71		ug/L		114	89 - 117
Hexachlorobutadiene	20.0	20.74		ug/L		104	77 - 118
2-Hexanone (MBK)	20.0	13.42		ug/L		67	37 - 123
Isopropylbenzene	20.0	22.04		ug/L		110	83 - 117
4-Isopropyltoluene	20.0	22.40		ug/L		112	83 - 124
Methyl tert-butyl ether	20.0	19.76		ug/L		99	70 - 126
4-Methyl-2-pentanone (MIBK)	20.0	13.76		ug/L		69	59 - 118
Methylene Chloride	20.0	22.52		ug/L		113	75 - 121
Naphthalene	20.0	19.53		ug/L		98	67 - 123
N-Propylbenzene	20.0	21.67		ug/L		108	84 - 128
Styrene	20.0	21.27		ug/L		106	78 - 127
1,1,1,2-Tetrachloroethane	20.0	22.07		ug/L		110	91 - 118
1,1,1,2,2-Tetrachloroethane	20.0	21.24		ug/L		106	77 - 129
Tetrachloroethene	20.0	21.48		ug/L		107	85 - 116
Toluene	20.0	21.84		ug/L		109	88 - 109
1,2,3-Trichlorobenzene	20.0	21.16		ug/L		106	67 - 134
1,2,4-Trichlorobenzene	20.0	19.83		ug/L		99	78 - 133
1,3,5-Trichlorobenzene	20.0	21.95		ug/L		110	77 - 127
1,1,1-Trichloroethane	20.0	21.26		ug/L		106	83 - 124
1,1,2-Trichloroethane	20.0	22.96		ug/L		115	84 - 132
Trichloroethene	20.0	22.24		ug/L		111	74 - 118
Trichlorofluoromethane (Freon 11)	20.0	22.70		ug/L		114	82 - 126
1,2,3-Trichloropropane	20.0	20.45		ug/L		102	77 - 124
1,2,4-Trimethylbenzene	20.0	20.98		ug/L		105	89 - 126
1,3,5-Trimethylbenzene	20.0	21.09		ug/L		105	89 - 125
Vinyl chloride	20.0	19.29		ug/L		96	62 - 130
m-Xylene & p-Xylene	20.0	21.28		ug/L		106	85 - 123
o-Xylene	20.0	20.91		ug/L		105	85 - 119
Tetrahydrofuran	20.0	15.06		ug/L		75	60 - 133
Ethyl ether	20.0	19.91		ug/L		100	69 - 122
Tert-amyl methyl ether	20.0	19.36		ug/L		97	50 - 140
Ethyl tert-butyl ether	20.0	18.38		ug/L		92	60 - 131
di-Isopropyl ether	20.0	17.12		ug/L		86	67 - 125
tert-Butanol	200	161.0		ug/L		81	50 - 169

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 620-12054/4
Matrix: Water
Analysis Batch: 12054

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	200	172.1		ug/L		86	28 - 150
trans-1,4-Dichloro-2-butene	20.0	15.79		ug/L		79	48 - 153
Ethanol	400	379.1		ug/L		95	47 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Toluene-d8 (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	85		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Lab Sample ID: LCSD 620-12054/5
Matrix: Water
Analysis Batch: 12054

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	24.10		ug/L		121	85 - 124	1	20
Acetone	20.0	14.12		ug/L		71	14 - 133	1	20
Acrylonitrile	20.0	19.04		ug/L		95	62 - 134	0	20
Benzene	20.0	21.87		ug/L		109	86 - 111	1	20
Bromobenzene	20.0	21.26		ug/L		106	82 - 120	0	20
Bromochloromethane	20.0	24.28		ug/L		121	83 - 123	2	20
Bromodichloromethane	20.0	20.86		ug/L		104	83 - 137	2	20
Bromoform	20.0	19.84		ug/L		99	91 - 137	1	20
Bromomethane	20.0	16.15		ug/L		81	29 - 148	5	20
2-Butanone (MEK)	20.0	15.83		ug/L		79	10 - 200	1	20
n-Butylbenzene	20.0	22.29		ug/L		111	85 - 138	2	20
sec-Butylbenzene	20.0	21.62		ug/L		108	75 - 118	2	20
tert-Butylbenzene	20.0	20.04		ug/L		100	85 - 122	0	20
Carbon disulfide	20.0	23.54		ug/L		118	69 - 150	1	20
Carbon tetrachloride	20.0	21.36		ug/L		107	84 - 123	0	20
Chlorobenzene	20.0	22.71		ug/L		114	93 - 115	0	20
Chloroethane	20.0	18.86		ug/L		94	56 - 155	2	20
Chloroform	20.0	21.09		ug/L		105	84 - 116	1	20
Chloromethane	20.0	18.70		ug/L		94	45 - 138	0	20
2-Chlorotoluene	20.0	21.35		ug/L		107	88 - 116	1	20
4-Chlorotoluene	20.0	21.20		ug/L		106	81 - 128	1	20
1,2-Dibromo-3-Chloropropane	20.0	17.44		ug/L		87	70 - 139	4	20
Dibromochloromethane	20.0	19.98		ug/L		100	83 - 132	1	20
1,2-Dibromoethane (EDB)	20.0	20.74		ug/L		104	82 - 125	2	20
Dibromomethane	20.0	20.90		ug/L		105	80 - 125	2	20
1,2-Dichlorobenzene	20.0	22.25		ug/L		111	84 - 128	1	20
1,3-Dichlorobenzene	20.0	21.17		ug/L		106	85 - 120	1	20
1,4-Dichlorobenzene	20.0	22.44		ug/L		112	86 - 116	3	20
Dichlorodifluoromethane (Freon 12)	20.0	20.82		ug/L		104	36 - 131	1	20
1,1-Dichloroethane	20.0	20.79		ug/L		104	81 - 120	1	20
1,2-Dichloroethane	20.0	18.86		ug/L		94	82 - 116	1	20
1,1-Dichloroethene	20.0	23.17		ug/L		116	83 - 120	2	20

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 620-12054/5
Matrix: Water
Analysis Batch: 12054

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
cis-1,2-Dichloroethene	20.0	22.54		ug/L		113	81 - 124	2	20
trans-1,2-Dichloroethene	20.0	23.63		ug/L		118	81 - 127	0	20
1,2-Dichloropropane	20.0	20.67		ug/L		103	76 - 132	1	20
1,3-Dichloropropane	20.0	20.97		ug/L		105	74 - 122	1	20
2,2-Dichloropropane	20.0	19.63		ug/L		98	77 - 130	1	20
1,1-Dichloropropene	20.0	22.08		ug/L		110	81 - 115	1	20
cis-1,3-Dichloropropene	20.0	20.10		ug/L		101	74 - 129	1	20
trans-1,3-Dichloropropene	20.0	20.49		ug/L		102	78 - 126	0	20
Ethylbenzene	20.0	22.75		ug/L		114	89 - 117	0	20
Hexachlorobutadiene	20.0	19.92		ug/L		100	77 - 118	4	20
2-Hexanone (MBK)	20.0	13.63		ug/L		68	37 - 123	2	20
Isopropylbenzene	20.0	21.81		ug/L		109	83 - 117	1	20
4-Isopropyltoluene	20.0	22.13		ug/L		111	83 - 124	1	20
Methyl tert-butyl ether	20.0	19.89		ug/L		99	70 - 126	1	20
4-Methyl-2-pentanone (MIBK)	20.0	13.57		ug/L		68	59 - 118	1	20
Methylene Chloride	20.0	22.75		ug/L		114	75 - 121	1	20
Naphthalene	20.0	18.90		ug/L		94	67 - 123	3	20
N-Propylbenzene	20.0	21.67		ug/L		108	84 - 128	0	20
Styrene	20.0	21.15		ug/L		106	78 - 127	1	20
1,1,1,2-Tetrachloroethane	20.0	22.13		ug/L		111	91 - 118	0	20
1,1,2,2-Tetrachloroethane	20.0	21.23		ug/L		106	77 - 129	0	20
Tetrachloroethene	20.0	21.75		ug/L		109	85 - 116	1	20
Toluene	20.0	21.30		ug/L		106	88 - 109	3	20
1,2,3-Trichlorobenzene	20.0	20.52		ug/L		103	67 - 134	3	20
1,2,4-Trichlorobenzene	20.0	19.71		ug/L		99	78 - 133	1	20
1,3,5-Trichlorobenzene	20.0	21.57		ug/L		108	77 - 127	2	20
1,1,1-Trichloroethane	20.0	21.31		ug/L		107	83 - 124	0	20
1,1,2-Trichloroethane	20.0	23.26		ug/L		116	84 - 132	1	20
Trichloroethene	20.0	21.85		ug/L		109	74 - 118	2	20
Trichlorofluoromethane (Freon 11)	20.0	22.41		ug/L		112	82 - 126	1	20
1,2,3-Trichloropropane	20.0	20.34		ug/L		102	77 - 124	1	20
1,2,4-Trimethylbenzene	20.0	20.89		ug/L		104	89 - 126	0	20
1,3,5-Trimethylbenzene	20.0	21.07		ug/L		105	89 - 125	0	20
Vinyl chloride	20.0	19.66		ug/L		98	62 - 130	2	20
m-Xylene & p-Xylene	20.0	21.47		ug/L		107	85 - 123	1	20
o-Xylene	20.0	20.72		ug/L		104	85 - 119	1	20
Tetrahydrofuran	20.0	14.88		ug/L		74	60 - 133	1	20
Ethyl ether	20.0	20.34		ug/L		102	69 - 122	2	20
Tert-amyl methyl ether	20.0	19.54		ug/L		98	50 - 140	1	20
Ethyl tert-butyl ether	20.0	18.48		ug/L		92	60 - 131	1	20
di-Isopropyl ether	20.0	17.12		ug/L		86	67 - 125	0	20
tert-Butanol	200	163.9		ug/L		82	50 - 169	2	20
1,4-Dioxane	200	165.0		ug/L		83	28 - 150	4	20
trans-1,4-Dichloro-2-butene	20.0	14.92		ug/L		75	48 - 153	6	20
Ethanol	400	360.8		ug/L		90	47 - 170	5	20

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 620-12054/5
Matrix: Water
Analysis Batch: 12054

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

<i>Surrogate</i>	<i>LCS D %Recovery</i>	<i>LCS D Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	93		70 - 130
Toluene-d8 (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	87		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 620-11992/1-A
Matrix: Water
Analysis Batch: 11959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11992

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2,4,5-Tetrachlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
1,2,4-Trichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
1,2-Dichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
1,3-Dichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
1,4-Dichlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
1-Methylnaphthalene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2,4,5-Trichlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2,4,6-Trichlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2,4-Dichlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2,4-Dimethylphenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2,4-Dinitrophenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2,4-Dinitrotoluene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2,6-Dinitrotoluene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2-Chloronaphthalene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2-Chlorophenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2-Methylnaphthalene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2-Methylphenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2-Nitroaniline	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
2-Nitrophenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
3 & 4 Methylphenol	ND		10.0	ug/L		06/16/22 13:28	06/16/22 18:07	1
3,3'-Dichlorobenzidine	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
3-Nitroaniline	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
4,6-Dinitro-2-methylphenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
4-Bromophenyl phenyl ether	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
4-Chloro-3-methylphenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
4-Chloroaniline	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
4-Chlorophenyl phenyl ether	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
4-Nitroaniline	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
4-Nitrophenol	ND		20.0	ug/L		06/16/22 13:28	06/16/22 18:07	1
Acenaphthene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Acenaphthylene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Aniline	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Anthracene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Azobenzene/Diphenyldiazene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Benzidine	ND		10.0	ug/L		06/16/22 13:28	06/16/22 18:07	1
Benzo[a]anthracene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Benzo[a]pyrene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1

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QC Sample Results

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

Job ID: 620-5103-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 620-11992/1-A
Matrix: Water
Analysis Batch: 11959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11992

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Benzo[g,h,i]perylene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Benzo[k]fluoranthene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Benzoic acid	ND		10.0	ug/L		06/16/22 13:28	06/16/22 18:07	1
Benzyl alcohol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Bis(2-chloroethoxy)methane	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Bis(2-chloroethyl)ether	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
bis (2-chloroisopropyl) ether	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Bis(2-ethylhexyl) phthalate	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Butyl benzyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Carbazole	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Chrysene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Dibenz(a,h)anthracene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Dibenzofuran	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Diethyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Dimethyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Di-n-butyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Di-n-octyl phthalate	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Fluoranthene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Fluorene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Hexachlorobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Hexachlorobutadiene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Hexachlorocyclopentadiene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Hexachloroethane	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Indeno[1,2,3-cd]pyrene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Isophorone	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Naphthalene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Nitrobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
N-Nitrosodimethylamine	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
N-Nitrosodi-n-propylamine	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
N-Nitrosodiphenylamine	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Pentachloronitrobenzene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Pentachlorophenol	ND		20.0	ug/L		06/16/22 13:28	06/16/22 18:07	1
Phenanthrene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Phenol	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Pyrene	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1
Pyridine	ND		5.00	ug/L		06/16/22 13:28	06/16/22 18:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		30 - 130	06/16/22 13:28	06/16/22 18:07	1
2-Fluorophenol (Surr)	59		15 - 110	06/16/22 13:28	06/16/22 18:07	1
Nitrobenzene-d5 (Surr)	82		30 - 130	06/16/22 13:28	06/16/22 18:07	1
Phenol-d5 (Surr)	39		15 - 110	06/16/22 13:28	06/16/22 18:07	1
2,4,6-Tribromophenol (Surr)	83		15 - 110	06/16/22 13:28	06/16/22 18:07	1
Terphenyl-d14 (Surr)	101		30 - 130	06/16/22 13:28	06/16/22 18:07	1

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 620-11992/2-A
Matrix: Water
Analysis Batch: 11959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11992

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	50.0	40.21		ug/L		80	40 - 140
1,2,4-Trichlorobenzene	50.0	36.56		ug/L		73	40 - 140
1,2-Dichlorobenzene	50.0	35.78		ug/L		72	40 - 140
1,3-Dichlorobenzene	50.0	33.66		ug/L		67	40 - 140
1,4-Dichlorobenzene	50.0	35.66		ug/L		71	40 - 140
1-Methylnaphthalene	50.0	41.13		ug/L		82	40 - 140
2,4,5-Trichlorophenol	50.0	42.16		ug/L		84	30 - 130
2,4,6-Trichlorophenol	50.0	41.14		ug/L		82	30 - 130
2,4-Dichlorophenol	50.0	37.07		ug/L		74	30 - 130
2,4-Dimethylphenol	50.0	34.32		ug/L		69	30 - 130
2,4-Dinitrophenol	50.0	27.10		ug/L		54	30 - 130
2,4-Dinitrotoluene	50.0	47.85		ug/L		96	40 - 140
2,6-Dinitrotoluene	50.0	47.30		ug/L		95	40 - 140
2-Chloronaphthalene	50.0	43.36		ug/L		87	40 - 140
2-Chlorophenol	50.0	32.81		ug/L		66	30 - 130
2-Methylnaphthalene	50.0	39.97		ug/L		80	40 - 140
2-Methylphenol	50.0	31.37		ug/L		63	30 - 130
2-Nitroaniline	50.0	42.99		ug/L		86	40 - 140
2-Nitrophenol	50.0	36.54		ug/L		73	30 - 130
3 & 4 Methylphenol	50.0	29.93		ug/L		60	30 - 130
3,3'-Dichlorobenzidine	50.0	104.6	E *+	ug/L		209	40 - 140
3-Nitroaniline	50.0	37.93		ug/L		76	40 - 140
4,6-Dinitro-2-methylphenol	50.0	37.42		ug/L		75	30 - 130
4-Bromophenyl phenyl ether	50.0	48.22		ug/L		96	40 - 140
4-Chloro-3-methylphenol	50.0	39.60		ug/L		79	30 - 130
4-Chloroaniline	50.0	27.62		ug/L		55	40 - 140
4-Chlorophenyl phenyl ether	50.0	50.64		ug/L		101	40 - 140
4-Nitroaniline	50.0	53.84		ug/L		108	40 - 140
4-Nitrophenol	50.0	29.85		ug/L		60	30 - 130
Acenaphthene	50.0	41.85		ug/L		84	40 - 140
Acenaphthylene	50.0	42.97		ug/L		86	40 - 140
Aniline	50.0	20.15		ug/L		40	40 - 140
Anthracene	50.0	49.39		ug/L		99	40 - 140
Azobenzene/Diphenyldiazene	50.0	46.73		ug/L		93	40 - 140
Benzidine	50.0	13.58	*-	ug/L		27	40 - 140
Benzo[a]anthracene	50.0	53.84		ug/L		108	40 - 140
Benzo[a]pyrene	50.0	50.06		ug/L		100	40 - 140
Benzo[b]fluoranthene	50.0	51.26		ug/L		103	40 - 140
Benzo[g,h,i]perylene	50.0	53.29		ug/L		107	40 - 140
Benzo[k]fluoranthene	50.0	58.69		ug/L		117	40 - 140
Benzoic acid	50.0	12.29	*-	ug/L		25	30 - 130
Benzyl alcohol	50.0	26.47		ug/L		53	40 - 140
Bis(2-chloroethoxy)methane	50.0	38.19		ug/L		76	40 - 140
Bis(2-chloroethyl)ether	50.0	42.25		ug/L		85	40 - 140
bis (2-chloroisopropyl) ether	50.0	41.95		ug/L		84	40 - 140
Bis(2-ethylhexyl) phthalate	50.0	50.85		ug/L		102	40 - 140
Butyl benzyl phthalate	50.0	50.82		ug/L		102	40 - 140
Carbazole	50.0	50.90		ug/L		102	40 - 140

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 620-11992/2-A
Matrix: Water
Analysis Batch: 11959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11992

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	50.0	51.83		ug/L		104	40 - 140
Dibenz(a,h)anthracene	50.0	52.04		ug/L		104	40 - 140
Dibenzofuran	50.0	44.24		ug/L		88	40 - 140
Diethyl phthalate	50.0	47.22		ug/L		94	40 - 140
Dimethyl phthalate	50.0	42.09		ug/L		84	40 - 140
Di-n-butyl phthalate	50.0	49.73		ug/L		99	40 - 140
Di-n-octyl phthalate	50.0	51.81		ug/L		104	40 - 140
Fluoranthene	50.0	52.06		ug/L		104	40 - 140
Fluorene	50.0	47.83		ug/L		96	40 - 140
Hexachlorobenzene	50.0	46.76		ug/L		94	40 - 140
Hexachlorobutadiene	50.0	34.27		ug/L		69	40 - 140
Hexachlorocyclopentadiene	50.0	23.09		ug/L		46	40 - 140
Hexachloroethane	50.0	36.78		ug/L		74	40 - 140
Indeno[1,2,3-cd]pyrene	50.0	52.63		ug/L		105	40 - 140
Isophorone	50.0	35.37		ug/L		71	40 - 140
Naphthalene	50.0	38.15		ug/L		76	40 - 140
Nitrobenzene	50.0	42.75		ug/L		85	40 - 140
N-Nitrosodimethylamine	50.0	23.57		ug/L		47	40 - 140
N-Nitrosodi-n-propylamine	50.0	40.42		ug/L		81	40 - 140
N-Nitrosodiphenylamine	50.0	48.20		ug/L		96	40 - 140
Pentachloronitrobenzene	50.0	52.71		ug/L		105	40 - 140
Pentachlorophenol	50.0	26.48		ug/L		53	30 - 130
Phenanthrene	50.0	48.01		ug/L		96	40 - 140
Phenol	50.0	16.30	*	ug/L		33	40 - 140
Pyrene	50.0	48.33		ug/L		97	40 - 140
Pyridine	50.0	22.67		ug/L		45	40 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	80		30 - 130
2-Fluorophenol (Surr)	49		15 - 110
Nitrobenzene-d5 (Surr)	78		30 - 130
Phenol-d5 (Surr)	38		15 - 110
2,4,6-Tribromophenol (Surr)	93		15 - 110
Terphenyl-d14 (Surr)	100		30 - 130

Lab Sample ID: LCSD 620-11992/3-A
Matrix: Water
Analysis Batch: 11959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11992

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	50.0	45.51		ug/L		91	40 - 140	12	20
1,2,4-Trichlorobenzene	50.0	42.02		ug/L		84	40 - 140	14	20
1,2-Dichlorobenzene	50.0	40.36		ug/L		81	40 - 140	12	20
1,3-Dichlorobenzene	50.0	38.53		ug/L		77	40 - 140	13	20
1,4-Dichlorobenzene	50.0	39.47		ug/L		79	40 - 140	10	20
1-Methylnaphthalene	50.0	46.45		ug/L		93	40 - 140	12	20
2,4,5-Trichlorophenol	50.0	44.33		ug/L		89	30 - 130	5	20
2,4,6-Trichlorophenol	50.0	45.69		ug/L		91	30 - 130	10	20

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 620-11992/3-A
Matrix: Water
Analysis Batch: 11959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11992

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
2,4-Dichlorophenol	50.0	42.07		ug/L		84	30 - 130	13	20
2,4-Dimethylphenol	50.0	38.75		ug/L		78	30 - 130	12	20
2,4-Dinitrophenol	50.0	32.21		ug/L		64	30 - 130	17	20
2,4-Dinitrotoluene	50.0	49.33		ug/L		99	40 - 140	3	20
2,6-Dinitrotoluene	50.0	49.63		ug/L		99	40 - 140	5	20
2-Chloronaphthalene	50.0	47.96		ug/L		96	40 - 140	10	20
2-Chlorophenol	50.0	37.58		ug/L		75	30 - 130	14	20
2-Methylnaphthalene	50.0	45.11		ug/L		90	40 - 140	12	20
2-Methylphenol	50.0	35.44		ug/L		71	30 - 130	12	20
2-Nitroaniline	50.0	46.39		ug/L		93	40 - 140	8	20
2-Nitrophenol	50.0	42.05		ug/L		84	30 - 130	14	20
3 & 4 Methylphenol	50.0	33.69		ug/L		67	30 - 130	12	20
3,3'-Dichlorobenzidine	50.0	NQ	E	ug/L		NaN	40 - 140	NaN	20
3-Nitroaniline	50.0	39.82		ug/L		80	40 - 140	5	20
4,6-Dinitro-2-methylphenol	50.0	41.21		ug/L		82	30 - 130	10	20
4-Bromophenyl phenyl ether	50.0	50.38		ug/L		101	40 - 140	4	20
4-Chloro-3-methylphenol	50.0	43.25		ug/L		87	30 - 130	9	20
4-Chloroaniline	50.0	30.26		ug/L		61	40 - 140	9	20
4-Chlorophenyl phenyl ether	50.0	52.14		ug/L		104	40 - 140	3	20
4-Nitroaniline	50.0	55.52		ug/L		111	40 - 140	3	20
4-Nitrophenol	50.0	29.81		ug/L		60	30 - 130	0	20
Acenaphthene	50.0	45.85		ug/L		92	40 - 140	9	20
Acenaphthylene	50.0	47.18		ug/L		94	40 - 140	9	20
Aniline	50.0	22.87		ug/L		46	40 - 140	13	20
Anthracene	50.0	51.14		ug/L		102	40 - 140	3	20
Azobenzene/Diphenyldiazene	50.0	48.92		ug/L		98	40 - 140	5	20
Benzidine	50.0	18.80	*- *1	ug/L		38	40 - 140	32	20
Benzo[a]anthracene	50.0	55.26		ug/L		111	40 - 140	3	20
Benzo[a]pyrene	50.0	52.14		ug/L		104	40 - 140	4	20
Benzo[b]fluoranthene	50.0	56.06		ug/L		112	40 - 140	9	20
Benzo[g,h,i]perylene	50.0	55.20		ug/L		110	40 - 140	4	20
Benzo[k]fluoranthene	50.0	53.29		ug/L		107	40 - 140	10	20
Benzoic acid	50.0	13.67	*-	ug/L		27	30 - 130	11	20
Benzyl alcohol	50.0	30.22		ug/L		60	40 - 140	13	20
Bis(2-chloroethoxy)methane	50.0	43.55		ug/L		87	40 - 140	13	20
Bis(2-chloroethyl)ether	50.0	49.16		ug/L		98	40 - 140	15	20
bis (2-chloroisopropyl) ether	50.0	47.04		ug/L		94	40 - 140	11	20
Bis(2-ethylhexyl) phthalate	50.0	52.79		ug/L		106	40 - 140	4	20
Butyl benzyl phthalate	50.0	52.80		ug/L		106	40 - 140	4	20
Carbazole	50.0	51.79		ug/L		104	40 - 140	2	20
Chrysene	50.0	53.71		ug/L		107	40 - 140	4	20
Dibenz(a,h)anthracene	50.0	53.89		ug/L		108	40 - 140	3	20
Dibenzofuran	50.0	48.19		ug/L		96	40 - 140	9	20
Diethyl phthalate	50.0	48.82		ug/L		98	40 - 140	3	20
Dimethyl phthalate	50.0	43.56		ug/L		87	40 - 140	3	20
Di-n-butyl phthalate	50.0	50.78		ug/L		102	40 - 140	2	20
Di-n-octyl phthalate	50.0	53.97		ug/L		108	40 - 140	4	20
Fluoranthene	50.0	53.90		ug/L		108	40 - 140	3	20
Fluorene	50.0	49.68		ug/L		99	40 - 140	4	20

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QC Sample Results

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

Job ID: 620-5103-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 620-11992/3-A
Matrix: Water
Analysis Batch: 11959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11992

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Hexachlorobenzene	50.0	47.82		ug/L		96	40 - 140	2	20	
Hexachlorobutadiene	50.0	38.93		ug/L		78	40 - 140	13	20	
Hexachlorocyclopentadiene	50.0	30.91	*1	ug/L		62	40 - 140	29	20	
Hexachloroethane	50.0	41.37		ug/L		83	40 - 140	12	20	
Indeno[1,2,3-cd]pyrene	50.0	54.83		ug/L		110	40 - 140	4	20	
Isophorone	50.0	39.95		ug/L		80	40 - 140	12	20	
Naphthalene	50.0	43.12		ug/L		86	40 - 140	12	20	
Nitrobenzene	50.0	52.60	*1	ug/L		105	40 - 140	21	20	
N-Nitrosodimethylamine	50.0	26.04		ug/L		52	40 - 140	10	20	
N-Nitrosodi-n-propylamine	50.0	45.75		ug/L		91	40 - 140	12	20	
N-Nitrosodiphenylamine	50.0	49.86		ug/L		100	40 - 140	3	20	
Pentachloronitrobenzene	50.0	54.61		ug/L		109	40 - 140	4	20	
Pentachlorophenol	50.0	28.03		ug/L		56	30 - 130	6	20	
Phenanthrene	50.0	49.19		ug/L		98	40 - 140	2	20	
Phenol	50.0	17.94	*-	ug/L		36	40 - 140	10	20	
Pyrene	50.0	50.38		ug/L		101	40 - 140	4	20	
Pyridine	50.0	27.68		ug/L		55	40 - 140	20	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	90		30 - 130
2-Fluorophenol (Surr)	57		15 - 110
Nitrobenzene-d5 (Surr)	88		30 - 130
Phenol-d5 (Surr)	41		15 - 110
2,4,6-Tribromophenol (Surr)	97		15 - 110
Terphenyl-d14 (Surr)	103		30 - 130

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 620-11993/1-A
Matrix: Water
Analysis Batch: 11979

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11993

Analyte	MB		RL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier								
PCB-1016	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1221	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1232	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1242	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1248	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1254	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1260	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1262	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1
PCB-1268	ND		0.250	ug/L		06/16/22 13:46	06/16/22 18:22			1

Surrogate	MB		Limits	Prepared		Analyzed		Dil Fac
	%Recovery	Qualifier						
Tetrachloro-m-xylene	81		30 - 150	06/16/22 13:46	06/16/22 18:22			1
DCB Decachlorobiphenyl (Surr)	114		30 - 150	06/16/22 13:46	06/16/22 18:22			1

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QC Sample Results

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

Job ID: 620-5103-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 620-11993/2-A
Matrix: Water
Analysis Batch: 11979

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11993

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
PCB-1016	2.50	2.276		ug/L		91	40 - 132	
PCB-1260	2.50	2.791		ug/L		112	44 - 140	
LCS LCS								
Surrogate	%Recovery	Qualifier	Limits					
Tetrachloro-m-xylene	77		30 - 150					
DCB Decachlorobiphenyl (Surr)	116		30 - 150					

Lab Sample ID: LCSD 620-11993/3-A
Matrix: Water
Analysis Batch: 11979

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11993

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
PCB-1016	2.50	2.476		ug/L		99	40 - 132	8	20	
PCB-1260	2.50	2.984		ug/L		119	44 - 140	7	20	
LCSD LCSD										
Surrogate	%Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	88		30 - 150							
DCB Decachlorobiphenyl (Surr)	125		30 - 150							

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

Lab Sample ID: MB 410-270935/5
Matrix: Water
Analysis Batch: 270935

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

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	ND		0.400	mg/L			06/30/22 02:49	1

Lab Sample ID: LCS 410-270935/3
Matrix: Water
Analysis Batch: 270935

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	2.907		mg/L		97	90 - 110	

Lab Sample ID: LCSD 410-270935/4
Matrix: Water
Analysis Batch: 270935

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Chloride	3.00	2.897		mg/L		97	90 - 110	0	20	

Lab Sample ID: 620-5103-1 MS
Matrix: Water
Analysis Batch: 270935

Client Sample ID: MW-1R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	ND		10.0	10.74		mg/L		107	90 - 110	

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: 620-5103-1 DU
 Matrix: Water
 Analysis Batch: 270935

Client Sample ID: MW-1R
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	ND		ND		mg/L		NC	15

Lab Sample ID: MB 410-270964/5
 Matrix: Water
 Analysis Batch: 270964

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.400	mg/L			06/29/22 16:04	1

Lab Sample ID: LCS 410-270964/3
 Matrix: Water
 Analysis Batch: 270964

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	2.903		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-270964/4
 Matrix: Water
 Analysis Batch: 270964

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	2.951		mg/L		98	90 - 110	2	20

Lab Sample ID: 620-5103-7 MS
 Matrix: Water
 Analysis Batch: 270964

Client Sample ID: MW-4D
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.11		10.0	11.56		mg/L		95	90 - 110

Lab Sample ID: 620-5103-7 DU
 Matrix: Water
 Analysis Batch: 270964

Client Sample ID: MW-4D
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	2.11		2.144		mg/L		2	15

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-266861/1-A
 Matrix: Water
 Analysis Batch: 268222

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 266861

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		3.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
NMeFOSAA	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorobutanoic acid	ND		5.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 410-266861/1-A
Matrix: Water
Analysis Batch: 268222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 266861

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorohexanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorononanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluoropentanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
6:2 Fluorotelomer sulfonic acid	ND		5.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
8:2 Fluorotelomer sulfonic acid	ND		3.00	ng/L		06/17/22 15:17	06/23/22 06:17	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/17/22 15:17	06/23/22 06:17	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	116		10 - 200	06/17/22 15:17	06/23/22 06:17	1
M2-6:2 FTS	93		17 - 200	06/17/22 15:17	06/23/22 06:17	1
M2-8:2 FTS	88		33 - 200	06/17/22 15:17	06/23/22 06:17	1
13C2 PFTeDA	93		10 - 179	06/17/22 15:17	06/23/22 06:17	1
13C3 HFPO-DA	86		17 - 185	06/17/22 15:17	06/23/22 06:17	1
13C3 PFBS	94		16 - 200	06/17/22 15:17	06/23/22 06:17	1
13C4 PFBA	94		42 - 165	06/17/22 15:17	06/23/22 06:17	1
13C4 PFHpA	103		31 - 182	06/17/22 15:17	06/23/22 06:17	1
13C5 PFPeA	99		38 - 187	06/17/22 15:17	06/23/22 06:17	1
13C8 PFOA	100		48 - 162	06/17/22 15:17	06/23/22 06:17	1
13C8 PFOS	95		51 - 159	06/17/22 15:17	06/23/22 06:17	1
d3-NMeFOSAA	97		31 - 174	06/17/22 15:17	06/23/22 06:17	1
d5-NEtFOSAA	99		29 - 195	06/17/22 15:17	06/23/22 06:17	1
d9-N-EtFOSE-M	78		10 - 177	06/17/22 15:17	06/23/22 06:17	1
13C3 PFHxS	101		28 - 188	06/17/22 15:17	06/23/22 06:17	1
13C5 PFHxA	101		24 - 179	06/17/22 15:17	06/23/22 06:17	1
13C6 PFDA	102		49 - 163	06/17/22 15:17	06/23/22 06:17	1
13C7 PFUnA	102		34 - 174	06/17/22 15:17	06/23/22 06:17	1
d3-NMePFOSA	35		10 - 155	06/17/22 15:17	06/23/22 06:17	1
d5-NEtPFOSA	45		10 - 159	06/17/22 15:17	06/23/22 06:17	1
13C8 FOSA	72		10 - 168	06/17/22 15:17	06/23/22 06:17	1
13C2-PFDoDA	98		17 - 176	06/17/22 15:17	06/23/22 06:17	1
13C9 PFNA	95		51 - 167	06/17/22 15:17	06/23/22 06:17	1

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 410-266861/2-A
Matrix: Water
Analysis Batch: 268222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 266861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
NEtFOSAA	25.6	21.37		ng/L		83	55 - 134
NMeFOSAA	25.6	24.41		ng/L		95	59 - 140
Perfluorobutanesulfonic acid	22.7	20.69		ng/L		91	53 - 138
Perfluorobutanoic acid	25.6	22.28		ng/L		87	59 - 136
Perfluorodecanesulfonic acid	24.7	18.71		ng/L		76	55 - 137
Perfluorodecanoic acid	25.6	22.44		ng/L		88	56 - 138
Perfluorododecanoic acid	25.6	20.63		ng/L		81	59 - 143
Perfluoroheptanesulfonic acid	24.4	19.94		ng/L		82	56 - 140
Perfluoroheptanoic acid	25.6	24.06		ng/L		94	59 - 145
Perfluorohexanesulfonic acid	23.3	19.99		ng/L		86	58 - 134
Perfluorohexanoic acid	25.6	24.35		ng/L		95	58 - 139
Perfluorononanesulfonic acid	24.6	18.43		ng/L		75	59 - 136
Perfluorononanoic acid	25.6	22.36		ng/L		87	61 - 139
Perfluorooctanesulfonamide	25.6	23.42		ng/L		92	43 - 167
Perfluorooctanesulfonic acid	23.7	21.48		ng/L		91	45 - 150
Perfluorooctanoic acid	25.6	23.24		ng/L		91	51 - 145
Perfluoropentanesulfonic acid	24.0	21.67		ng/L		90	55 - 140
Perfluoropentanoic acid	25.6	21.35		ng/L		83	57 - 141
Perfluorotetradecanoic acid	25.6	24.34		ng/L		95	62 - 139
Perfluorotridecanoic acid	25.6	21.36		ng/L		83	58 - 146
Perfluoroundecanoic acid	25.6	22.52		ng/L		88	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	22.10		ng/L		91	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	20.94		ng/L		85	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	17.24		ng/L		72	55 - 139

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	123		10 - 200
M2-6:2 FTS	90		17 - 200
M2-8:2 FTS	90		33 - 200
13C2 PFTeDA	94		10 - 179
13C3 HFPO-DA	85		17 - 185
13C3 PFBS	96		16 - 200
13C4 PFBA	95		42 - 165
13C4 PFHpA	95		31 - 182
13C5 PFPeA	96		38 - 187
13C8 PFOA	101		48 - 162
13C8 PFOS	95		51 - 159
d3-NMeFOSAA	87		31 - 174
d5-NEtFOSAA	99		29 - 195
d9-N-EtFOSE-M	68		10 - 177
13C3 PFHxS	97		28 - 188
13C5 PFHxA	94		24 - 179
13C6 PFDA	97		49 - 163
13C7 PFUnA	100		34 - 174
d3-NMePFOSA	29		10 - 155
d5-NEtPFOSA	39		10 - 159
13C8 FOSA	65		10 - 168
13C2-PFDoDA	95		17 - 176

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 410-266861/2-A
Matrix: Water
Analysis Batch: 268222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 266861

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
13C9 PFNA	97		51 - 167

Lab Sample ID: LCSD 410-266861/3-A
Matrix: Water
Analysis Batch: 268222

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 266861

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD Result</i>	<i>LCSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
NEtFOSAA	25.6	23.36		ng/L		91	55 - 134	9	30
NMeFOSAA	25.6	20.89		ng/L		82	59 - 140	16	30
Perfluorobutanesulfonic acid	22.7	20.89		ng/L		92	53 - 138	1	30
Perfluorobutanoic acid	25.6	22.70		ng/L		89	59 - 136	2	30
Perfluorodecanesulfonic acid	24.7	18.60		ng/L		75	55 - 137	1	30
Perfluorodecanoic acid	25.6	21.67		ng/L		85	56 - 138	3	30
Perfluorododecanoic acid	25.6	20.17		ng/L		79	59 - 143	2	30
Perfluoroheptanesulfonic acid	24.4	19.98		ng/L		82	56 - 140	0	30
Perfluoroheptanoic acid	25.6	22.78		ng/L		89	59 - 145	5	30
Perfluorohexanesulfonic acid	23.3	20.19		ng/L		86	58 - 134	1	30
Perfluorohexanoic acid	25.6	24.39		ng/L		95	58 - 139	0	30
Perfluorononanesulfonic acid	24.6	18.57		ng/L		76	59 - 136	1	30
Perfluorononanoic acid	25.6	23.05		ng/L		90	61 - 139	3	30
Perfluorooctanesulfonamide	25.6	22.52		ng/L		88	43 - 167	4	30
Perfluorooctanesulfonic acid	23.7	21.98		ng/L		93	45 - 150	2	30
Perfluorooctanoic acid	25.6	24.48		ng/L		96	51 - 145	5	30
Perfluoropentanesulfonic acid	24.0	20.73		ng/L		86	55 - 140	4	30
Perfluoropentanoic acid	25.6	21.67		ng/L		85	57 - 141	1	30
Perfluorotetradecanoic acid	25.6	24.88		ng/L		97	62 - 139	2	30
Perfluorotridecanoic acid	25.6	24.32		ng/L		95	58 - 146	13	30
Perfluoroundecanoic acid	25.6	21.98		ng/L		86	60 - 141	2	30
6:2 Fluorotelomer sulfonic acid	24.3	21.53		ng/L		89	28 - 173	3	30
8:2 Fluorotelomer sulfonic acid	24.5	21.92		ng/L		89	55 - 138	5	30
4:2 Fluorotelomer sulfonic acid	23.9	20.80		ng/L		87	55 - 139	19	30

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
M2-4:2 FTS	123		10 - 200
M2-6:2 FTS	93		17 - 200
M2-8:2 FTS	98		33 - 200
13C2 PFTeDA	95		10 - 179
13C3 HFPO-DA	83		17 - 185
13C3 PFBS	101		16 - 200
13C4 PFBA	96		42 - 165
13C4 PFHpA	105		31 - 182
13C5 PFPeA	100		38 - 187
13C8 PFOA	99		48 - 162
13C8 PFOS	108		51 - 159
d3-NMeFOSAA	107		31 - 174
d5-NEtFOSAA	101		29 - 195
d9-N-EtFOSE-M	79		10 - 177
13C3 PFHxS	104		28 - 188
13C5 PFHxA	99		24 - 179

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 410-266861/3-A
Matrix: Water
Analysis Batch: 268222

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 266861

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C6 PFDA	107		49 - 163
13C7 PFUnA	105		34 - 174
d3-NMePFOSA	36		10 - 155
d5-NEtPFOSA	44		10 - 159
13C8 FOSA	76		10 - 168
13C2-PFDoDA	98		17 - 176
13C9 PFNA	108		51 - 167

Lab Sample ID: MB 410-267221/1-A
Matrix: Water
Analysis Batch: 268501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267221

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
NEtFOSAA	ND		3.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
NMeFOSAA	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorobutanoic acid	ND		5.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorohexanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorononanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluoropentanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
6:2 Fluorotelomer sulfonic acid	ND		5.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
8:2 Fluorotelomer sulfonic acid	ND		3.00	ng/L		06/20/22 08:46	06/23/22 15:58	1
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/20/22 08:46	06/23/22 15:58	1

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
M2-4:2 FTS	82		10 - 200	06/20/22 08:46	06/23/22 15:58	1
M2-6:2 FTS	72		17 - 200	06/20/22 08:46	06/23/22 15:58	1
M2-8:2 FTS	73		33 - 200	06/20/22 08:46	06/23/22 15:58	1
13C2 PFTeDA	83		10 - 179	06/20/22 08:46	06/23/22 15:58	1
13C3 HFPO-DA	94		17 - 185	06/20/22 08:46	06/23/22 15:58	1
13C3 PFBS	78		16 - 200	06/20/22 08:46	06/23/22 15:58	1
13C4 PFBA	80		42 - 165	06/20/22 08:46	06/23/22 15:58	1
13C4 PFHpA	84		31 - 182	06/20/22 08:46	06/23/22 15:58	1
13C5 PFPeA	80		38 - 187	06/20/22 08:46	06/23/22 15:58	1
13C8 PFOA	83		48 - 162	06/20/22 08:46	06/23/22 15:58	1

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 410-267221/1-A
Matrix: Water
Analysis Batch: 268501

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267221

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C8 PFOS	80		51 - 159	06/20/22 08:46	06/23/22 15:58	1
d3-NMeFOSAA	83		31 - 174	06/20/22 08:46	06/23/22 15:58	1
d5-NEtFOSAA	82		29 - 195	06/20/22 08:46	06/23/22 15:58	1
d9-N-EtFOSE-M	67		10 - 177	06/20/22 08:46	06/23/22 15:58	1
13C3 PFHxS	82		28 - 188	06/20/22 08:46	06/23/22 15:58	1
13C5 PFHxA	81		24 - 179	06/20/22 08:46	06/23/22 15:58	1
13C6 PFDA	77		49 - 163	06/20/22 08:46	06/23/22 15:58	1
13C7 PFUnA	79		34 - 174	06/20/22 08:46	06/23/22 15:58	1
d3-NMePFOSA	41		10 - 155	06/20/22 08:46	06/23/22 15:58	1
d5-NEtPFOSA	48		10 - 159	06/20/22 08:46	06/23/22 15:58	1
13C8 FOSA	65		10 - 168	06/20/22 08:46	06/23/22 15:58	1
13C2-PFDODA	79		17 - 176	06/20/22 08:46	06/23/22 15:58	1
13C9 PFNA	84		51 - 167	06/20/22 08:46	06/23/22 15:58	1

Lab Sample ID: LCS 410-267221/2-A
Matrix: Water
Analysis Batch: 268501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 267221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
NEtFOSAA	25.6	30.29		ng/L		118	55 - 134
NMeFOSAA	25.6	29.59		ng/L		116	59 - 140
Perfluorobutanesulfonic acid	22.7	25.21		ng/L		111	53 - 138
Perfluorobutanoic acid	25.6	26.68		ng/L		104	59 - 136
Perfluorodecanesulfonic acid	24.7	24.04		ng/L		97	55 - 137
Perfluorodecanoic acid	25.6	29.21		ng/L		114	56 - 138
Perfluorododecanoic acid	25.6	25.87		ng/L		101	59 - 143
Perfluoroheptanesulfonic acid	24.4	24.60		ng/L		101	56 - 140
Perfluoroheptanoic acid	25.6	28.24		ng/L		110	59 - 145
Perfluorohexanesulfonic acid	23.3	24.74		ng/L		106	58 - 134
Perfluorohexanoic acid	25.6	28.03		ng/L		110	58 - 139
Perfluorononanesulfonic acid	24.6	23.41		ng/L		95	59 - 136
Perfluorononanoic acid	25.6	28.34		ng/L		111	61 - 139
Perfluorooctanesulfonamide	25.6	26.15		ng/L		102	43 - 167
Perfluorooctanesulfonic acid	23.7	26.27		ng/L		111	45 - 150
Perfluorooctanoic acid	25.6	28.40		ng/L		111	51 - 145
Perfluoropentanesulfonic acid	24.0	25.20		ng/L		105	55 - 140
Perfluoropentanoic acid	25.6	26.08		ng/L		102	57 - 141
Perfluorotetradecanoic acid	25.6	26.97		ng/L		105	62 - 139
Perfluorotridecanoic acid	25.6	25.37		ng/L		99	58 - 146
Perfluoroundecanoic acid	25.6	28.47		ng/L		111	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	27.27		ng/L		112	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	26.84		ng/L		109	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	23.03		ng/L		96	55 - 139

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	96		10 - 200
M2-6:2 FTS	83		17 - 200
M2-8:2 FTS	82		33 - 200
13C2 PFTeDA	101		10 - 179

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 410-267221/2-A
Matrix: Water
Analysis Batch: 268501

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 267221

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
13C3 HFPO-DA	101		17 - 185
13C3 PFBS	83		16 - 200
13C4 PFBA	84		42 - 165
13C4 PFHpA	89		31 - 182
13C5 PFPeA	82		38 - 187
13C8 PFOA	88		48 - 162
13C8 PFOS	85		51 - 159
d3-NMeFOSAA	90		31 - 174
d5-NEtFOSAA	90		29 - 195
d9-N-EtFOSE-M	68		10 - 177
13C3 PFHxS	89		28 - 188
13C5 PFHxA	90		24 - 179
13C6 PFDA	87		49 - 163
13C7 PFUnA	87		34 - 174
d3-NMePFOSA	48		10 - 155
d5-NEtPFOSA	53		10 - 159
13C8 FOSA	75		10 - 168
13C2-PFDoDA	94		17 - 176
13C9 PFNA	84		51 - 167

Lab Sample ID: LCSD 410-267221/3-A
Matrix: Water
Analysis Batch: 268501

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 267221

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD Result</i>	<i>LCSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
NEtFOSAA	25.6	29.57		ng/L		115	55 - 134	2	30
NMeFOSAA	25.6	29.90		ng/L		117	59 - 140	1	30
Perfluorobutanesulfonic acid	22.7	24.75		ng/L		109	53 - 138	2	30
Perfluorobutanoic acid	25.6	26.26		ng/L		103	59 - 136	2	30
Perfluorodecanesulfonic acid	24.7	23.56		ng/L		95	55 - 137	2	30
Perfluorodecanoic acid	25.6	28.43		ng/L		111	56 - 138	3	30
Perfluorododecanoic acid	25.6	25.60		ng/L		100	59 - 143	1	30
Perfluoroheptanesulfonic acid	24.4	24.38		ng/L		100	56 - 140	1	30
Perfluoroheptanoic acid	25.6	27.80		ng/L		109	59 - 145	2	30
Perfluorohexanesulfonic acid	23.3	24.25		ng/L		104	58 - 134	2	30
Perfluorohexanoic acid	25.6	27.99		ng/L		109	58 - 139	0	30
Perfluorononanesulfonic acid	24.6	23.48		ng/L		96	59 - 136	0	30
Perfluorononanoic acid	25.6	27.40		ng/L		107	61 - 139	3	30
Perfluorooctanesulfonamide	25.6	27.11		ng/L		106	43 - 167	4	30
Perfluorooctanesulfonic acid	23.7	25.36		ng/L		107	45 - 150	4	30
Perfluorooctanoic acid	25.6	27.61		ng/L		108	51 - 145	3	30
Perfluoropentanesulfonic acid	24.0	25.46		ng/L		106	55 - 140	1	30
Perfluoropentanoic acid	25.6	24.99		ng/L		98	57 - 141	4	30
Perfluorotetradecanoic acid	25.6	28.10		ng/L		110	62 - 139	4	30
Perfluorotridecanoic acid	25.6	25.89		ng/L		101	58 - 146	2	30
Perfluoroundecanoic acid	25.6	29.26		ng/L		114	60 - 141	3	30
6:2 Fluorotelomer sulfonic acid	24.3	27.98		ng/L		115	28 - 173	3	30
8:2 Fluorotelomer sulfonic acid	24.5	25.59		ng/L		104	55 - 138	5	30
4:2 Fluorotelomer sulfonic acid	23.9	24.08		ng/L		101	55 - 139	4	30

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	91		10 - 200
M2-6:2 FTS	82		17 - 200
M2-8:2 FTS	85		33 - 200
13C2 PFTeDA	94		10 - 179
13C3 HFPO-DA	91		17 - 185
13C3 PFBS	86		16 - 200
13C4 PFBA	87		42 - 165
13C4 PFHpA	85		31 - 182
13C5 PFPeA	85		38 - 187
13C8 PFOA	87		48 - 162
13C8 PFOS	87		51 - 159
d3-NMeFOSAA	93		31 - 174
d5-NEtFOSAA	98		29 - 195
d9-N-EtFOSE-M	79		10 - 177
13C3 PFHxS	90		28 - 188
13C5 PFHxA	86		24 - 179
13C6 PFDA	91		49 - 163
13C7 PFUnA	91		34 - 174
d3-NMePFOSA	49		10 - 155
d5-NEtPFOSA	57		10 - 159
13C8 FOSA	76		10 - 168
13C2-PFDoDA	92		17 - 176
13C9 PFNA	87		51 - 167

Lab Sample ID: MB 410-268456/1-A
Matrix: Water
Analysis Batch: 269114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 268456

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
NEtFOSAA	ND		3.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
NMeFOSAA	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorobutanoic acid	ND		5.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorodecanesulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluoroheptanesulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorohexanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorononanesulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorononanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorooctanesulfonamide	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluoropentanesulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluoropentanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
6:2 Fluorotelomer sulfonic acid	ND		5.00	ng/L		06/23/22 08:08	06/25/22 07:53	1
8:2 Fluorotelomer sulfonic acid	ND		3.00	ng/L		06/23/22 08:08	06/25/22 07:53	1

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 410-268456/1-A
Matrix: Water
Analysis Batch: 269114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 268456

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 Fluorotelomer sulfonic acid	ND		2.00	ng/L		06/23/22 08:08	06/25/22 07:53	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	99		10 - 200			06/23/22 08:08	06/25/22 07:53	1
M2-6:2 FTS	87		17 - 200			06/23/22 08:08	06/25/22 07:53	1
M2-8:2 FTS	97		33 - 200			06/23/22 08:08	06/25/22 07:53	1
13C2 PFTeDA	101		10 - 179			06/23/22 08:08	06/25/22 07:53	1
13C3 HFPO-DA	84		17 - 185			06/23/22 08:08	06/25/22 07:53	1
13C3 PFBS	100		16 - 200			06/23/22 08:08	06/25/22 07:53	1
13C4 PFBA	101		42 - 165			06/23/22 08:08	06/25/22 07:53	1
13C4 PFHpA	100		31 - 182			06/23/22 08:08	06/25/22 07:53	1
13C5 PFPeA	107		38 - 187			06/23/22 08:08	06/25/22 07:53	1
13C8 PFOA	99		48 - 162			06/23/22 08:08	06/25/22 07:53	1
13C8 PFOS	101		51 - 159			06/23/22 08:08	06/25/22 07:53	1
d3-NMeFOSAA	103		31 - 174			06/23/22 08:08	06/25/22 07:53	1
d5-NEtFOSAA	102		29 - 195			06/23/22 08:08	06/25/22 07:53	1
d9-N-EtFOSE-M	95		10 - 177			06/23/22 08:08	06/25/22 07:53	1
13C3 PFHxS	104		28 - 188			06/23/22 08:08	06/25/22 07:53	1
13C5 PFHxA	98		24 - 179			06/23/22 08:08	06/25/22 07:53	1
13C6 PFDA	100		49 - 163			06/23/22 08:08	06/25/22 07:53	1
13C7 PFUnA	101		34 - 174			06/23/22 08:08	06/25/22 07:53	1
d3-NMePFOSA	67		10 - 155			06/23/22 08:08	06/25/22 07:53	1
d5-NEtPFOSA	73		10 - 159			06/23/22 08:08	06/25/22 07:53	1
13C8 FOSA	99		10 - 168			06/23/22 08:08	06/25/22 07:53	1
13C2-PFDoDA	103		17 - 176			06/23/22 08:08	06/25/22 07:53	1
13C9 PFNA	93		51 - 167			06/23/22 08:08	06/25/22 07:53	1

Lab Sample ID: LCS 410-268456/3-A
Matrix: Water
Analysis Batch: 269114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 268456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
NEtFOSAA	25.6	23.86		ng/L		93	55 - 134
NMeFOSAA	25.6	22.42		ng/L		88	59 - 140
Perfluorobutanesulfonic acid	22.7	21.92		ng/L		97	53 - 138
Perfluorobutanoic acid	25.6	22.64		ng/L		88	59 - 136
Perfluorodecanesulfonic acid	24.7	18.88		ng/L		76	55 - 137
Perfluorodecanoic acid	25.6	23.84		ng/L		93	56 - 138
Perfluorododecanoic acid	25.6	23.75		ng/L		93	59 - 143
Perfluoroheptanesulfonic acid	24.4	21.36		ng/L		88	56 - 140
Perfluoroheptanoic acid	25.6	24.40		ng/L		95	59 - 145
Perfluorohexanesulfonic acid	23.3	21.31		ng/L		91	58 - 134
Perfluorohexanoic acid	25.6	23.76		ng/L		93	58 - 139
Perfluorononanesulfonic acid	24.6	19.49		ng/L		79	59 - 136
Perfluorononanoic acid	25.6	23.57		ng/L		92	61 - 139
Perfluorooctanesulfonamide	25.6	24.24		ng/L		95	43 - 167
Perfluorooctanesulfonic acid	23.7	21.97		ng/L		93	45 - 150
Perfluorooctanoic acid	25.6	26.81		ng/L		105	51 - 145
Perfluoropentanesulfonic acid	24.0	24.60		ng/L		102	55 - 140

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCS 410-268456/3-A
Matrix: Water
Analysis Batch: 269114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 268456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid	25.6	22.52		ng/L		88	57 - 141
Perfluorotetradecanoic acid	25.6	23.78		ng/L		93	62 - 139
Perfluorotridecanoic acid	25.6	23.10		ng/L		90	58 - 146
Perfluoroundecanoic acid	25.6	26.37		ng/L		103	60 - 141
6:2 Fluorotelomer sulfonic acid	24.3	23.10		ng/L		95	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	20.57		ng/L		84	55 - 138
4:2 Fluorotelomer sulfonic acid	23.9	21.08		ng/L		88	55 - 139

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	112		10 - 200
M2-6:2 FTS	97		17 - 200
M2-8:2 FTS	105		33 - 200
13C2 PFTeDA	110		10 - 179
13C3 HFPO-DA	98		17 - 185
13C3 PFBS	107		16 - 200
13C4 PFBA	108		42 - 165
13C4 PFHpA	107		31 - 182
13C5 PFPeA	111		38 - 187
13C8 PFOA	107		48 - 162
13C8 PFOS	110		51 - 159
d3-NMeFOSAA	103		31 - 174
d5-NEtFOSAA	109		29 - 195
d9-N-EtFOSE-M	100		10 - 177
13C3 PFHxS	115		28 - 188
13C5 PFHxA	105		24 - 179
13C6 PFDA	114		49 - 163
13C7 PFUnA	104		34 - 174
d3-NMePFOSA	82		10 - 155
d5-NEtPFOSA	85		10 - 159
13C8 FOSA	105		10 - 168
13C2-PFDoDA	107		17 - 176
13C9 PFNA	109		51 - 167

Lab Sample ID: LCSD 410-268456/4-A
Matrix: Water
Analysis Batch: 269114

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 268456

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA	25.6	24.63		ng/L		96	55 - 134	3	30
NMeFOSAA	25.6	23.18		ng/L		91	59 - 140	3	30
Perfluorobutanesulfonic acid	22.7	22.20		ng/L		98	53 - 138	1	30
Perfluorobutanoic acid	25.6	23.39		ng/L		91	59 - 136	3	30
Perfluorodecanesulfonic acid	24.7	19.84		ng/L		80	55 - 137	5	30
Perfluorodecanoic acid	25.6	24.48		ng/L		96	56 - 138	3	30
Perfluorododecanoic acid	25.6	21.42		ng/L		84	59 - 143	10	30
Perfluoroheptanesulfonic acid	24.4	22.74		ng/L		93	56 - 140	6	30
Perfluoroheptanoic acid	25.6	23.48		ng/L		92	59 - 145	4	30
Perfluorohexanesulfonic acid	23.3	21.77		ng/L		93	58 - 134	2	30
Perfluorohexanoic acid	25.6	25.45		ng/L		99	58 - 139	7	30

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 410-268456/4-A
Matrix: Water
Analysis Batch: 269114

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 268456

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanesulfonic acid	24.6	20.64		ng/L		84	59 - 136	6	30
Perfluorononanoic acid	25.6	22.80		ng/L		89	61 - 139	3	30
Perfluorooctanesulfonamide	25.6	22.64		ng/L		88	43 - 167	7	30
Perfluorooctanesulfonic acid	23.7	22.56		ng/L		95	45 - 150	3	30
Perfluorooctanoic acid	25.6	26.24		ng/L		102	51 - 145	2	30
Perfluoropentanesulfonic acid	24.0	24.50		ng/L		102	55 - 140	0	30
Perfluoropentanoic acid	25.6	23.69		ng/L		93	57 - 141	5	30
Perfluorotetradecanoic acid	25.6	26.30		ng/L		103	62 - 139	10	30
Perfluorotridecanoic acid	25.6	22.86		ng/L		89	58 - 146	1	30
Perfluoroundecanoic acid	25.6	24.14		ng/L		94	60 - 141	9	30
6:2 Fluorotelomer sulfonic acid	24.3	24.95		ng/L		103	28 - 173	8	30
8:2 Fluorotelomer sulfonic acid	24.5	26.47		ng/L		108	55 - 138	25	30
4:2 Fluorotelomer sulfonic acid	23.9	21.72		ng/L		91	55 - 139	3	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
M2-4:2 FTS	108		10 - 200
M2-6:2 FTS	92		17 - 200
M2-8:2 FTS	89		33 - 200
13C2 PFTeDA	108		10 - 179
13C3 HFPO-DA	95		17 - 185
13C3 PFBS	106		16 - 200
13C4 PFBA	105		42 - 165
13C4 PFHpA	105		31 - 182
13C5 PFPeA	107		38 - 187
13C8 PFOA	101		48 - 162
13C8 PFOS	104		51 - 159
d3-NMeFOSAA	114		31 - 174
d5-NEtFOSAA	111		29 - 195
d9-N-EtFOSE-M	97		10 - 177
13C3 PFHxS	108		28 - 188
13C5 PFHxA	105		24 - 179
13C6 PFDA	112		49 - 163
13C7 PFUnA	113		34 - 174
d3-NMePFOSA	79		10 - 155
d5-NEtPFOSA	82		10 - 159
13C8 FOSA	111		10 - 168
13C2-PFDoDA	113		17 - 176
13C9 PFNA	113		51 - 167

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

Lab Sample ID: MB 410-266745/1-A
Matrix: Drinking Water
Analysis Batch: 267638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 266745

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluoroheptanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorooctanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 410-266745/1-A
Matrix: Drinking Water
Analysis Batch: 267638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 266745

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorodecanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorotridecanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
NEtFOSAA	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
NMeFOSAA	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluoroundecanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1
Perfluorododecanoic acid	ND		2.00	ng/L		06/17/22 10:29	06/21/22 09:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	103		70 - 130	06/17/22 10:29	06/21/22 09:01	1
13C2 PFHxA	96		70 - 130	06/17/22 10:29	06/21/22 09:01	1
13C3 HFPO-DA	101		70 - 130	06/17/22 10:29	06/21/22 09:01	1
d5-NEtFOSAA	101		70 - 130	06/17/22 10:29	06/21/22 09:01	1

Lab Sample ID: LCS 410-266745/2-A
Matrix: Drinking Water
Analysis Batch: 267638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 266745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	20.5	19.42		ng/L		95	70 - 130
Perfluoroheptanoic acid	20.5	19.25		ng/L		94	70 - 130
Perfluorooctanoic acid	20.5	20.38		ng/L		99	70 - 130
Perfluorononanoic acid	20.5	19.17		ng/L		94	70 - 130
Perfluorodecanoic acid	20.5	20.77		ng/L		101	70 - 130
Perfluorotridecanoic acid	20.5	20.98		ng/L		102	70 - 130
Perfluorotetradecanoic acid	20.5	20.40		ng/L		100	70 - 130
Perfluorobutanesulfonic acid	18.1	17.71		ng/L		98	70 - 130
Perfluorohexanesulfonic acid	18.7	17.78		ng/L		95	70 - 130
Perfluorooctanesulfonic acid	19.0	18.37		ng/L		97	70 - 130
NEtFOSAA	20.5	20.08		ng/L		98	70 - 130
NMeFOSAA	20.5	19.18		ng/L		94	70 - 130
Perfluoroundecanoic acid	20.5	22.19		ng/L		108	70 - 130
Perfluorododecanoic acid	20.5	22.12		ng/L		108	70 - 130
HFPODA	20.5	20.49		ng/L		100	70 - 130
9CI-PF3ONS	19.0	17.80		ng/L		93	70 - 130
11CI-PF3OUdS	19.0	18.13		ng/L		95	70 - 130
DONA	19.4	18.94		ng/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	99		70 - 130
13C2 PFHxA	94		70 - 130
13C3 HFPO-DA	95		70 - 130
d5-NEtFOSAA	97		70 - 130

QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: LCSD 410-266745/3-A
Matrix: Drinking Water
Analysis Batch: 267638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 266745

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	20.5	19.72		ng/L		96	70 - 130	2	30	
Perfluoroheptanoic acid	20.5	19.49		ng/L		95	70 - 130	1	30	
Perfluorooctanoic acid	20.5	20.14		ng/L		98	70 - 130	1	30	
Perfluorononanoic acid	20.5	18.89		ng/L		92	70 - 130	1	30	
Perfluorodecanoic acid	20.5	19.92		ng/L		97	70 - 130	4	30	
Perfluorotridecanoic acid	20.5	19.87		ng/L		97	70 - 130	5	30	
Perfluorotetradecanoic acid	20.5	18.97		ng/L		93	70 - 130	7	30	
Perfluorobutanesulfonic acid	18.1	17.97		ng/L		99	70 - 130	1	30	
Perfluorohexanesulfonic acid	18.7	18.08		ng/L		97	70 - 130	2	30	
Perfluorooctanesulfonic acid	19.0	18.20		ng/L		96	70 - 130	1	30	
NEtFOSAA	20.5	19.34		ng/L		94	70 - 130	4	30	
NMeFOSAA	20.5	19.62		ng/L		96	70 - 130	2	30	
Perfluoroundecanoic acid	20.5	20.63		ng/L		101	70 - 130	7	30	
Perfluorododecanoic acid	20.5	20.86		ng/L		102	70 - 130	6	30	
HFPODA	20.5	20.75		ng/L		101	70 - 130	1	30	
9CI-PF3ONS	19.0	17.62		ng/L		93	70 - 130	1	30	
11CI-PF3OUdS	19.0	18.03		ng/L		95	70 - 130	1	30	
DONA	19.4	18.81		ng/L		97	70 - 130	1	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	97		70 - 130
13C2 PFHxA	95		70 - 130
13C3 HFPO-DA	99		70 - 130
d5-NEtFOSAA	97		70 - 130

Lab Sample ID: MB 410-267827/1-A
Matrix: Drinking Water
Analysis Batch: 268583

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267827

Analyte	MB		RL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier								
Perfluorohexanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluoroheptanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorooctanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorononanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorodecanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorotridecanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorotetradecanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorobutanesulfonic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorohexanesulfonic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorooctanesulfonic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
NEtFOSAA	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
NMeFOSAA	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluoroundecanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	
Perfluorododecanoic acid	ND		2.00	ng/L		06/21/22 16:53	06/23/22 10:32		1	

Surrogate	MB		Limits	Prepared		Analyzed		Dil Fac
	%Recovery	Qualifier						
13C2 PFDA	101		70 - 130	06/21/22 16:53	06/23/22 10:32		1	
13C2 PFHxA	105		70 - 130	06/21/22 16:53	06/23/22 10:32		1	

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QC Sample Results

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

Job ID: 620-5103-1

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

Lab Sample ID: MB 410-267827/1-A
Matrix: Drinking Water
Analysis Batch: 268583

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 267827

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 HFPO-DA	108		70 - 130	06/21/22 16:53	06/23/22 10:32	1
d5-NEtFOSAA	104		70 - 130	06/21/22 16:53	06/23/22 10:32	1

Lab Sample ID: LCS 410-267827/2-A
Matrix: Drinking Water
Analysis Batch: 268583

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 267827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid	80.0	78.95		ng/L		99	70 - 130
Perfluorooctanoic acid	80.0	79.30		ng/L		99	70 - 130
Perfluorononanoic acid	80.0	74.69		ng/L		93	70 - 130
Perfluorodecanoic acid	80.0	75.44		ng/L		94	70 - 130
Perfluorotridecanoic acid	80.0	77.05		ng/L		96	70 - 130
Perfluorotetradecanoic acid	80.0	72.35		ng/L		90	70 - 130
Perfluorobutanesulfonic acid	70.8	68.99		ng/L		97	70 - 130
Perfluorohexanesulfonic acid	73.0	75.36	E	ng/L		103	70 - 130
Perfluorooctanesulfonic acid	74.0	73.75		ng/L		100	70 - 130
NEtFOSAA	80.0	81.06	E	ng/L		101	70 - 130
NMeFOSAA	80.0	81.03	E	ng/L		101	70 - 130
Perfluoroundecanoic acid	80.0	76.93		ng/L		96	70 - 130
Perfluorododecanoic acid	80.0	79.42		ng/L		99	70 - 130
HFPODA	80.0	84.54	E	ng/L		106	70 - 130
9CI-PF3ONS	74.4	71.27		ng/L		96	70 - 130
11CI-PF3OUdS	74.4	71.01		ng/L		95	70 - 130
DONA	75.6	72.68		ng/L		96	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	92		70 - 130
13C2 PFHxA	100		70 - 130
13C3 HFPO-DA	103		70 - 130
d5-NEtFOSAA	99		70 - 130

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-11872/1-A
Matrix: Water
Analysis Batch: 11914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11872

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Arsenic	ND		0.00400	mg/L		06/14/22 14:16	06/15/22 15:25	1
Cadmium	ND		0.00250	mg/L		06/14/22 14:16	06/15/22 15:25	1
Chromium	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 15:25	1
Copper	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 15:25	1
Iron	ND		0.0500	mg/L		06/14/22 14:16	06/15/22 15:25	1
Lead	ND		0.00750	mg/L		06/14/22 14:16	06/15/22 15:25	1
Manganese	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 15:25	1
Nickel	ND		0.00500	mg/L		06/14/22 14:16	06/15/22 15:25	1

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QC Sample Results

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

Job ID: 620-5103-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 620-11872/1-A
Matrix: Water
Analysis Batch: 11914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11872

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	ND		0.750	mg/L		06/14/22 14:16	06/15/22 15:25	1
Zinc	ND		0.0250	mg/L		06/14/22 14:16	06/15/22 15:25	1

Lab Sample ID: LCS 620-11872/2-A
Matrix: Water
Analysis Batch: 11914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.50	2.522		mg/L		101	85 - 115
Cadmium	2.50	2.524		mg/L		101	85 - 115
Chromium	2.50	2.511		mg/L		100	85 - 115
Copper	2.50	2.526		mg/L		101	85 - 115
Iron	2.50	2.625		mg/L		105	85 - 115
Lead	2.50	2.401		mg/L		96	85 - 115
Manganese	2.50	2.620		mg/L		105	85 - 115
Nickel	2.50	2.532		mg/L		101	85 - 115
Sodium	12.5	12.57		mg/L		101	85 - 115
Zinc	2.50	2.494		mg/L		100	85 - 115

Lab Sample ID: LCSD 620-11872/3-A
Matrix: Water
Analysis Batch: 11914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11872

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Arsenic	2.50	2.562		mg/L		102	85 - 115	2	20
Cadmium	2.50	2.550		mg/L		102	85 - 115	1	20
Chromium	2.50	2.539		mg/L		102	85 - 115	1	20
Copper	2.50	2.563		mg/L		103	85 - 115	1	20
Iron	2.50	2.661		mg/L		106	85 - 115	1	20
Lead	2.50	2.448		mg/L		98	85 - 115	2	20
Manganese	2.50	2.633		mg/L		105	85 - 115	1	20
Nickel	2.50	2.554		mg/L		102	85 - 115	1	20
Sodium	12.5	12.76		mg/L		102	85 - 115	2	20
Zinc	2.50	2.534		mg/L		101	85 - 115	2	20

Lab Sample ID: 620-5103-1 MS
Matrix: Water
Analysis Batch: 11914

Client Sample ID: MW-1R
Prep Type: Total/NA
Prep Batch: 11872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00710		2.50	2.529		mg/L		101	75 - 125
Cadmium	ND		2.50	2.455		mg/L		98	75 - 125
Chromium	0.0158		2.50	2.468		mg/L		98	75 - 125
Copper	0.0135		2.50	2.539		mg/L		101	75 - 125
Iron	11.8		2.50	15.14	4	mg/L		134	75 - 125
Lead	0.0104		2.50	2.341		mg/L		93	75 - 125
Manganese	0.308		2.50	2.867		mg/L		102	75 - 125
Nickel	0.0107		2.50	2.438		mg/L		97	75 - 125
Sodium	3.64		12.5	17.34		mg/L		110	75 - 125

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 620-5103-1 MS
Matrix: Water
Analysis Batch: 11914

Client Sample ID: MW-1R
Prep Type: Total/NA
Prep Batch: 11872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.0369		2.50	2.479		mg/L		98	75 - 125

Lab Sample ID: 620-5103-1 MSD
Matrix: Water
Analysis Batch: 11914

Client Sample ID: MW-1R
Prep Type: Total/NA
Prep Batch: 11872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00710		2.50	2.468		mg/L		98	75 - 125	2	20
Cadmium	ND		2.50	2.394		mg/L		96	75 - 125	3	20
Chromium	0.0158		2.50	2.419		mg/L		96	75 - 125	2	20
Copper	0.0135		2.50	2.473		mg/L		98	75 - 125	3	20
Iron	11.8		2.50	14.60	4	mg/L		113	75 - 125	4	20
Lead	0.0104		2.50	2.281		mg/L		91	75 - 125	3	20
Manganese	0.308		2.50	2.790		mg/L		99	75 - 125	3	20
Nickel	0.0107		2.50	2.381		mg/L		95	75 - 125	2	20
Sodium	3.64		12.5	17.13		mg/L		108	75 - 125	1	20
Zinc	0.0369		2.50	2.413		mg/L		95	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 620-11923/1-A
Matrix: Water
Analysis Batch: 11951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11923

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	mg/L		06/15/22 10:57	06/15/22 14:50	1

Lab Sample ID: LCS 620-11923/2-A
Matrix: Water
Analysis Batch: 11951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.004642		mg/L		93	85 - 115

Lab Sample ID: LCSD 620-11923/3-A
Matrix: Water
Analysis Batch: 11951

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 11923

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00500	0.004755		mg/L		95	85 - 115	2	20

Lab Sample ID: 620-5103-1 MS
Matrix: Water
Analysis Batch: 11951

Client Sample ID: MW-1R
Prep Type: Total/NA
Prep Batch: 11923

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00500	0.004636		mg/L		93	80 - 120

Eurofins New England

QC Sample Results

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

Job ID: 620-5103-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 620-5103-1 MSD
 Matrix: Water
 Analysis Batch: 11951

Client Sample ID: MW-1R
 Prep Type: Total/NA
 Prep Batch: 11923

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00500	0.004721		mg/L		94	80 - 120	2	20

Lab Sample ID: 620-5103-1 DU
 Matrix: Water
 Analysis Batch: 11951

Client Sample ID: MW-1R
 Prep Type: Total/NA
 Prep Batch: 11923

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	ND		ND		mg/L		NC	20

Method: 410.4 - COD

Lab Sample ID: MB 410-266551/4
 Matrix: Water
 Analysis Batch: 266551

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75.0	mg/L			06/17/22 03:15	1

Lab Sample ID: LCS 410-266551/5
 Matrix: Water
 Analysis Batch: 266551

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	505.8		mg/L		101	94 - 110

QC Association Summary

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

Job ID: 620-5103-1

GC/MS VOA

Analysis Batch: 11999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-13	Trip Blank	Total/NA	Water	8260C	
MB 620-11999/7	Method Blank	Total/NA	Water	8260C	
LCS 620-11999/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-11999/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 12053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-10	EB-060922	Total/NA	Water	8260C	
MB 620-12053/7	Method Blank	Total/NA	Water	8260C	
LCS 620-12053/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-12053/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 12054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	8260C	
620-5103-6	MW-4S	Total/NA	Water	8260C	
620-5103-7	MW-4D	Total/NA	Water	8260C	
620-5103-8	MW-4D-FD	Total/NA	Water	8260C	
620-5103-9	MW-3D	Total/NA	Water	8260C	
MB 620-12054/7	Method Blank	Total/NA	Water	8260C	
LCS 620-12054/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 620-12054/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 266165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-3	907 Bleacher-EFF	Total/NA	Drinking Water	524.2	
620-5103-4	907 Bleacher-MID	Total/NA	Drinking Water	524.2	
620-5103-5	907 Bleacher-INF	Total/NA	Drinking Water	524.2	
620-5103-12	56 Forest Edge	Total/NA	Drinking Water	524.2	
620-5103-14	907 Bleacher-FD	Total/NA	Drinking Water	524.2	
MB 410-266165/6	Method Blank	Total/NA	Drinking Water	524.2	
LCS 410-266165/4	Lab Control Sample	Total/NA	Drinking Water	524.2	

GC/MS Semi VOA

Analysis Batch: 11959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-11992/1-A	Method Blank	Total/NA	Water	8270D	11992
LCS 620-11992/2-A	Lab Control Sample	Total/NA	Water	8270D	11992
LCSD 620-11992/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	11992

Prep Batch: 11992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-11	PW-060922	Total/NA	Water	3510C	
MB 620-11992/1-A	Method Blank	Total/NA	Water	3510C	
LCS 620-11992/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 620-11992/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 12100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-11	PW-060922	Total/NA	Water	8270D	11992

Eurofins New England

QC Association Summary

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

Job ID: 620-5103-1

GC Semi VOA

Analysis Batch: 11979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-11	PW-060922	Total/NA	Water	8082A	11993
MB 620-11993/1-A	Method Blank	Total/NA	Water	8082A	11993
LCS 620-11993/2-A	Lab Control Sample	Total/NA	Water	8082A	11993
LCSD 620-11993/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	11993

Prep Batch: 11993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-11	PW-060922	Total/NA	Water	3510C	
MB 620-11993/1-A	Method Blank	Total/NA	Water	3510C	
LCS 620-11993/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 620-11993/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

HPLC/IC

Analysis Batch: 270935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	EPA 300.0 R2.1	
MB 410-270935/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-270935/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-270935/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
620-5103-1 MS	MW-1R	Total/NA	Water	EPA 300.0 R2.1	
620-5103-1 DU	MW-1R	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 270964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-6	MW-4S	Total/NA	Water	EPA 300.0 R2.1	
620-5103-7	MW-4D	Total/NA	Water	EPA 300.0 R2.1	
620-5103-9	MW-3D	Total/NA	Water	EPA 300.0 R2.1	
MB 410-270964/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-270964/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-270964/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
620-5103-7 MS	MW-4D	Total/NA	Water	EPA 300.0 R2.1	
620-5103-7 DU	MW-4D	Total/NA	Water	EPA 300.0 R2.1	

LCMS

Prep Batch: 266745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-2	907 Bleacher-FB	Total/NA	Drinking Water	537.1 DW Prep	
620-5103-3	907 Bleacher-EFF	Total/NA	Drinking Water	537.1 DW Prep	
620-5103-4	907 Bleacher-MID	Total/NA	Drinking Water	537.1 DW Prep	
620-5103-5	907 Bleacher-INF	Total/NA	Drinking Water	537.1 DW Prep	
620-5103-14	907 Bleacher-FD	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-266745/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-266745/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	
LCSD 410-266745/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	537.1 DW Prep	

Prep Batch: 266861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	537 IDA	
620-5103-6	MW-4S	Total/NA	Water	537 IDA	
620-5103-7	MW-4D	Total/NA	Water	537 IDA	

Eurofins New England

QC Association Summary

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

Job ID: 620-5103-1

LCMS (Continued)

Prep Batch: 266861 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-8	MW-4D-FD	Total/NA	Water	537 IDA	
MB 410-266861/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-266861/2-A	Lab Control Sample	Total/NA	Water	537 IDA	
LCSD 410-266861/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	

Prep Batch: 267221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-9	MW-3D	Total/NA	Water	537 IDA	
MB 410-267221/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-267221/2-A	Lab Control Sample	Total/NA	Water	537 IDA	
LCSD 410-267221/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	

Analysis Batch: 267638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-2	907 Bleacher-FB	Total/NA	Drinking Water	EPA 537.1	266745
620-5103-3	907 Bleacher-EFF	Total/NA	Drinking Water	EPA 537.1	266745
620-5103-4	907 Bleacher-MID	Total/NA	Drinking Water	EPA 537.1	266745
620-5103-5	907 Bleacher-INF	Total/NA	Drinking Water	EPA 537.1	266745
620-5103-14	907 Bleacher-FD	Total/NA	Drinking Water	EPA 537.1	266745
MB 410-266745/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	266745
LCS 410-266745/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	266745
LCSD 410-266745/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	266745

Prep Batch: 267827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-12	56 Forest Edge	Total/NA	Drinking Water	537.1 DW Prep	
MB 410-267827/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW Prep	
LCS 410-267827/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW Prep	

Analysis Batch: 268222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	537 IDA	266861
620-5103-6	MW-4S	Total/NA	Water	537 IDA	266861
620-5103-7	MW-4D	Total/NA	Water	537 IDA	266861
620-5103-8	MW-4D-FD	Total/NA	Water	537 IDA	266861
MB 410-266861/1-A	Method Blank	Total/NA	Water	537 IDA	266861
LCS 410-266861/2-A	Lab Control Sample	Total/NA	Water	537 IDA	266861
LCSD 410-266861/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	266861

Prep Batch: 268456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-10	EB-060922	Total/NA	Water	537 IDA	
MB 410-268456/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-268456/3-A	Lab Control Sample	Total/NA	Water	537 IDA	
LCSD 410-268456/4-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	

Analysis Batch: 268501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-9	MW-3D	Total/NA	Water	537 IDA	267221
MB 410-267221/1-A	Method Blank	Total/NA	Water	537 IDA	267221
LCS 410-267221/2-A	Lab Control Sample	Total/NA	Water	537 IDA	267221

Eurofins New England

QC Association Summary

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

Job ID: 620-5103-1

LCMS (Continued)

Analysis Batch: 268501 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-267221/3-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	267221

Analysis Batch: 268583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-12	56 Forest Edge	Total/NA	Drinking Water	EPA 537.1	267827
MB 410-267827/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	267827
LCS 410-267827/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1	267827

Prep Batch: 268968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-6 - RE	MW-4S	Total/NA	Water	537 IDA	
620-5103-9 - RE	MW-3D	Total/NA	Water	537 IDA	
MB 410-268968/1-A	Method Blank	Total/NA	Water	537 IDA	
LCS 410-268968/2-A	Lab Control Sample	Total/NA	Water	537 IDA	

Analysis Batch: 269114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-10	EB-060922	Total/NA	Water	537 IDA	268456
MB 410-268456/1-A	Method Blank	Total/NA	Water	537 IDA	268456
LCS 410-268456/3-A	Lab Control Sample	Total/NA	Water	537 IDA	268456
LCSD 410-268456/4-A	Lab Control Sample Dup	Total/NA	Water	537 IDA	268456

Analysis Batch: 270423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-6 - RE	MW-4S	Total/NA	Water	537 IDA	268968
620-5103-9 - RE	MW-3D	Total/NA	Water	537 IDA	268968
MB 410-268968/1-A	Method Blank	Total/NA	Water	537 IDA	268968
LCS 410-268968/2-A	Lab Control Sample	Total/NA	Water	537 IDA	268968

Metals

Prep Batch: 11872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	3005A	
620-5103-6	MW-4S	Total/NA	Water	3005A	
620-5103-7	MW-4D	Total/NA	Water	3005A	
620-5103-8	MW-4D-FD	Total/NA	Water	3005A	
620-5103-9	MW-3D	Total/NA	Water	3005A	
620-5103-10	EB-060922	Total/NA	Water	3005A	
MB 620-11872/1-A	Method Blank	Total/NA	Water	3005A	
LCS 620-11872/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 620-11872/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
620-5103-1 MS	MW-1R	Total/NA	Water	3005A	
620-5103-1 MSD	MW-1R	Total/NA	Water	3005A	

Analysis Batch: 11914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	6010D	11872
620-5103-6	MW-4S	Total/NA	Water	6010D	11872
620-5103-7	MW-4D	Total/NA	Water	6010D	11872
620-5103-8	MW-4D-FD	Total/NA	Water	6010D	11872

Eurofins New England

QC Association Summary

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

Job ID: 620-5103-1

Metals (Continued)

Analysis Batch: 11914 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-9	MW-3D	Total/NA	Water	6010D	11872
620-5103-10	EB-060922	Total/NA	Water	6010D	11872
MB 620-11872/1-A	Method Blank	Total/NA	Water	6010D	11872
LCS 620-11872/2-A	Lab Control Sample	Total/NA	Water	6010D	11872
LCSD 620-11872/3-A	Lab Control Sample Dup	Total/NA	Water	6010D	11872
620-5103-1 MS	MW-1R	Total/NA	Water	6010D	11872
620-5103-1 MSD	MW-1R	Total/NA	Water	6010D	11872

Prep Batch: 11923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	7470A	
620-5103-6	MW-4S	Total/NA	Water	7470A	
620-5103-7	MW-4D	Total/NA	Water	7470A	
620-5103-8	MW-4D-FD	Total/NA	Water	7470A	
620-5103-9	MW-3D	Total/NA	Water	7470A	
620-5103-10	EB-060922	Total/NA	Water	7470A	
MB 620-11923/1-A	Method Blank	Total/NA	Water	7470A	
LCS 620-11923/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 620-11923/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
620-5103-1 MS	MW-1R	Total/NA	Water	7470A	
620-5103-1 MSD	MW-1R	Total/NA	Water	7470A	
620-5103-1 DU	MW-1R	Total/NA	Water	7470A	

Analysis Batch: 11951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	7470A	11923
620-5103-6	MW-4S	Total/NA	Water	7470A	11923
620-5103-7	MW-4D	Total/NA	Water	7470A	11923
620-5103-8	MW-4D-FD	Total/NA	Water	7470A	11923
620-5103-9	MW-3D	Total/NA	Water	7470A	11923
620-5103-10	EB-060922	Total/NA	Water	7470A	11923
MB 620-11923/1-A	Method Blank	Total/NA	Water	7470A	11923
LCS 620-11923/2-A	Lab Control Sample	Total/NA	Water	7470A	11923
LCSD 620-11923/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	11923
620-5103-1 MS	MW-1R	Total/NA	Water	7470A	11923
620-5103-1 MSD	MW-1R	Total/NA	Water	7470A	11923
620-5103-1 DU	MW-1R	Total/NA	Water	7470A	11923

General Chemistry

Analysis Batch: 266551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-5103-1	MW-1R	Total/NA	Water	410.4	
620-5103-6	MW-4S	Total/NA	Water	410.4	
620-5103-7	MW-4D	Total/NA	Water	410.4	
620-5103-8	MW-4D-FD	Total/NA	Water	410.4	
620-5103-9	MW-3D	Total/NA	Water	410.4	
620-5103-10	EB-060922	Total/NA	Water	410.4	
MB 410-266551/4	Method Blank	Total/NA	Water	410.4	
LCS 410-266551/5	Lab Control Sample	Total/NA	Water	410.4	

Eurofins New England

Lab Chronicle

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

Job ID: 620-5103-1

Client Sample ID: MW-1R

Date Collected: 06/07/22 11:35

Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	12054	06/17/22 20:37	CLR	ENE
Total/NA	Analysis	EPA 300.0 R2.1		5	270935	06/30/22 05:58	L4QM	ELLE
Total/NA	Prep	537 IDA			266861	06/17/22 15:17	JU9U	ELLE
Total/NA	Analysis	537 IDA		1	268222	06/23/22 06:50	QD9Y	ELLE
Total/NA	Prep	3005A			11872	06/14/22 14:16	CEV	ENE
Total/NA	Analysis	6010D		1	11914	06/15/22 17:36	CEV	ENE
Total/NA	Prep	7470A			11923	06/15/22 10:57	CAJ	ENE
Total/NA	Analysis	7470A		1	11951	06/15/22 14:55	CAJ	ENE
Total/NA	Analysis	410.4		1	266551	06/17/22 03:15	USAE	ELLE

Client Sample ID: 907 Bleacher-FB

Date Collected: 06/07/22 14:28

Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-2

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW Prep			266745	06/17/22 10:29	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	267638	06/21/22 14:26	DCS9	ELLE

Client Sample ID: 907 Bleacher-EFF

Date Collected: 06/07/22 14:30

Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	266165	06/16/22 15:52	UJML	ELLE
Total/NA	Prep	537.1 DW Prep			266745	06/17/22 10:29	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	267638	06/21/22 14:38	DCS9	ELLE

Client Sample ID: 907 Bleacher-MID

Date Collected: 06/07/22 14:34

Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-4

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	266165	06/16/22 16:15	UJML	ELLE
Total/NA	Prep	537.1 DW Prep			266745	06/17/22 10:29	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	267638	06/21/22 14:49	DCS9	ELLE

Client Sample ID: 907 Bleacher-INF

Date Collected: 06/07/22 14:38

Date Received: 06/14/22 10:20

Lab Sample ID: 620-5103-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	266165	06/16/22 16:37	UJML	ELLE
Total/NA	Prep	537.1 DW Prep			266745	06/17/22 10:29	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	267638	06/21/22 15:01	DCS9	ELLE

Lab Chronicle

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

Job ID: 620-5103-1

Client Sample ID: MW-4S

Lab Sample ID: 620-5103-6

Date Collected: 06/07/22 15:45

Matrix: Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	12054	06/17/22 21:04	CLR	ENE
Total/NA	Analysis	EPA 300.0 R2.1		5	270964	06/29/22 21:58	W5UX	ELLE
Total/NA	Prep	537 IDA			266861	06/17/22 15:17	JU9U	ELLE
Total/NA	Analysis	537 IDA		1	268222	06/23/22 07:02	QD9Y	ELLE
Total/NA	Prep	537 IDA	RE		268968	06/24/22 08:53	PMS9	ELLE
Total/NA	Analysis	537 IDA	RE	1	270423	06/29/22 00:08	MT26	ELLE
Total/NA	Prep	3005A			11872	06/14/22 14:16	CEV	ENE
Total/NA	Analysis	6010D		1	11914	06/15/22 17:58	CEV	ENE
Total/NA	Prep	7470A			11923	06/15/22 10:57	CAJ	ENE
Total/NA	Analysis	7470A		1	11951	06/15/22 15:09	CAJ	ENE
Total/NA	Analysis	410.4		1	266551	06/17/22 03:15	USAE	ELLE

Client Sample ID: MW-4D

Lab Sample ID: 620-5103-7

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	12054	06/17/22 21:31	CLR	ENE
Total/NA	Analysis	EPA 300.0 R2.1		5	270964	06/29/22 22:06	W5UX	ELLE
Total/NA	Prep	537 IDA			266861	06/17/22 15:17	JU9U	ELLE
Total/NA	Analysis	537 IDA		1	268222	06/23/22 07:13	QD9Y	ELLE
Total/NA	Prep	3005A			11872	06/14/22 14:16	CEV	ENE
Total/NA	Analysis	6010D		1	11914	06/15/22 18:20	CEV	ENE
Total/NA	Prep	7470A			11923	06/15/22 10:57	CAJ	ENE
Total/NA	Analysis	7470A		1	11951	06/15/22 15:10	CAJ	ENE
Total/NA	Analysis	410.4		2.5	266551	06/17/22 03:15	USAE	ELLE

Client Sample ID: MW-4D-FD

Lab Sample ID: 620-5103-8

Date Collected: 06/07/22 17:25

Matrix: Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	12054	06/17/22 21:57	CLR	ENE
Total/NA	Prep	537 IDA			266861	06/17/22 15:17	JU9U	ELLE
Total/NA	Analysis	537 IDA		1	268222	06/23/22 07:24	QD9Y	ELLE
Total/NA	Prep	3005A			11872	06/14/22 14:16	CEV	ENE
Total/NA	Analysis	6010D		1	11914	06/15/22 18:27	CEV	ENE
Total/NA	Prep	7470A			11923	06/15/22 10:57	CAJ	ENE
Total/NA	Analysis	7470A		1	11951	06/15/22 15:12	CAJ	ENE
Total/NA	Analysis	410.4		2.5	266551	06/17/22 03:15	USAE	ELLE

Lab Chronicle

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

Job ID: 620-5103-1

Client Sample ID: MW-3D

Lab Sample ID: 620-5103-9

Date Collected: 06/09/22 16:20

Matrix: Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	12054	06/17/22 22:24	CLR	ENE
Total/NA	Analysis	EPA 300.0 R2.1		50	270964	06/29/22 21:33	W5UX	ELLE
Total/NA	Prep	537 IDA			267221	06/20/22 08:46	PMS9	ELLE
Total/NA	Analysis	537 IDA		1	268501	06/23/22 19:18	PY4D	ELLE
Total/NA	Prep	537 IDA	RE		268968	06/24/22 08:53	PMS9	ELLE
Total/NA	Analysis	537 IDA	RE	1	270423	06/29/22 00:19	MT26	ELLE
Total/NA	Prep	3005A			11872	06/14/22 14:16	CEV	ENE
Total/NA	Analysis	6010D		1	11914	06/15/22 18:34	CEV	ENE
Total/NA	Prep	7470A			11923	06/15/22 10:57	CAJ	ENE
Total/NA	Analysis	7470A		1	11951	06/15/22 15:14	CAJ	ENE
Total/NA	Analysis	410.4		1	266551	06/17/22 03:15	USAE	ELLE

Client Sample ID: EB-060922

Lab Sample ID: 620-5103-10

Date Collected: 06/09/22 17:30

Matrix: Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	12053	06/18/22 00:03	CLR	ENE
Total/NA	Prep	537 IDA			268456	06/23/22 08:08	S7AC	ELLE
Total/NA	Analysis	537 IDA		1	269114	06/25/22 12:09	MT26	ELLE
Total/NA	Prep	3005A			11872	06/14/22 14:16	CEV	ENE
Total/NA	Analysis	6010D		1	11914	06/15/22 18:42	CEV	ENE
Total/NA	Prep	7470A			11923	06/15/22 10:57	CAJ	ENE
Total/NA	Analysis	7470A		1	11951	06/15/22 15:16	CAJ	ENE
Total/NA	Analysis	410.4		1	266551	06/17/22 03:15	USAE	ELLE

Client Sample ID: PW-060922

Lab Sample ID: 620-5103-11

Date Collected: 06/09/22 17:50

Matrix: Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			11992	06/16/22 13:28	PRB	ENE
Total/NA	Analysis	8270D		1	12100	06/20/22 15:02	JS	ENE
Total/NA	Prep	3510C			11993	06/16/22 13:46	PRB	ENE
Total/NA	Analysis	8082A		1	11979	06/16/22 19:14	SFL	ENE

Client Sample ID: 56 Forest Edge

Lab Sample ID: 620-5103-12

Date Collected: 06/09/22 18:30

Matrix: Drinking Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	266165	06/16/22 16:59	UJML	ELLE
Total/NA	Prep	537.1 DW Prep			267827	06/21/22 16:53	QLP7	ELLE
Total/NA	Analysis	EPA 537.1		1	268583	06/23/22 11:56	DCS9	ELLE

Eurofins New England

Lab Chronicle

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

Job ID: 620-5103-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-5103-13

Date Collected: 06/07/22 08:00

Matrix: Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	11999	06/16/22 20:41	CLR	ENE

Client Sample ID: 907 Bleacher-FD

Lab Sample ID: 620-5103-14

Date Collected: 06/07/22 14:38

Matrix: Drinking Water

Date Received: 06/14/22 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	266165	06/16/22 17:21	UJML	ELLE
Total/NA	Prep	537.1 DW Prep			266745	06/17/22 10:29	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	267638	06/21/22 15:12	DCS9	ELLE

Laboratory References:

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

ENE = Eurofins New England, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018



Accreditation/Certification Summary

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

Job ID: 620-5103-1

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
A2LA	Dept. of Defense ELAP	<cert No.>	02-28-23
Connecticut	State	PH-0722	06-30-22
Maine	State	RI00100	04-17-23
Massachusetts	State	M-RI907	06-30-22
New Hampshire	NELAP	2240	08-03-22
New Jersey	NELAP	RI008	06-30-22
New York	NELAP	11393	04-01-23
Rhode Island	State	LAI00368	12-30-22
USDA	US Federal Programs	P330-20-00109	04-15-23

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	10-28-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
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	537 IDA	Water	4:2 Fluorotelomer sulfonic acid
537 IDA	537 IDA	Water	6:2 Fluorotelomer sulfonic acid
537 IDA	537 IDA	Water	8:2 Fluorotelomer sulfonic acid
537 IDA	537 IDA	Water	NETFOSAA
537 IDA	537 IDA	Water	NMeFOSAA
537 IDA	537 IDA	Water	Perfluorobutanesulfonic acid
537 IDA	537 IDA	Water	Perfluorobutanoic acid
537 IDA	537 IDA	Water	Perfluorodecanesulfonic acid
537 IDA	537 IDA	Water	Perfluorodecanoic acid
537 IDA	537 IDA	Water	Perfluorododecanoic acid
537 IDA	537 IDA	Water	Perfluoroheptanesulfonic acid
537 IDA	537 IDA	Water	Perfluoroheptanoic acid
537 IDA	537 IDA	Water	Perfluorohexanesulfonic acid
537 IDA	537 IDA	Water	Perfluorohexanoic acid

Eurofins New England

Accreditation/Certification Summary

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

Job ID: 620-5103-1

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	537 IDA	Water	Perfluorononanesulfonic acid
537 IDA	537 IDA	Water	Perfluorononanoic acid
537 IDA	537 IDA	Water	Perfluorooctanesulfonamide
537 IDA	537 IDA	Water	Perfluorooctanesulfonic acid
537 IDA	537 IDA	Water	Perfluorooctanoic acid
537 IDA	537 IDA	Water	Perfluoropentanesulfonic acid
537 IDA	537 IDA	Water	Perfluoropentanoic acid
537 IDA	537 IDA	Water	Perfluorotetradecanoic acid
537 IDA	537 IDA	Water	Perfluorotridecanoic acid
537 IDA	537 IDA	Water	Perfluoroundecanoic acid



Method Summary

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

Job ID: 620-5103-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	ELLE
8260C	Volatile Organic Compounds by GC/MS	SW846	ENE
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	ENE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ENE
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	ENE
7470A	Mercury (CVAA)	SW846	ENE
410.4	COD	MCAWW	ELLE
3005A	Preparation, Total Metals	SW846	ENE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ENE
5030C	Purge and Trap	SW846	ENE
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE
7470A	Preparation, Mercury	SW846	ENE

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.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

ENE = Eurofins New England, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Sample Summary

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

Job ID: 620-5103-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-5103-1	MW-1R	Water	06/07/22 11:35	06/14/22 10:20
620-5103-2	907 Bleecher-FB	Drinking Water	06/07/22 14:28	06/14/22 10:20
620-5103-3	907 Bleecher-EFF	Drinking Water	06/07/22 14:30	06/14/22 10:20
620-5103-4	907 Bleecher-MID	Drinking Water	06/07/22 14:34	06/14/22 10:20
620-5103-5	907 Bleecher-INF	Drinking Water	06/07/22 14:38	06/14/22 10:20
620-5103-6	MW-4S	Water	06/07/22 15:45	06/14/22 10:20
620-5103-7	MW-4D	Water	06/07/22 17:25	06/14/22 10:20
620-5103-8	MW-4D-FD	Water	06/07/22 17:25	06/14/22 10:20
620-5103-9	MW-3D	Water	06/09/22 16:20	06/14/22 10:20
620-5103-10	EB-060922	Water	06/09/22 17:30	06/14/22 10:20
620-5103-11	PW-060922	Water	06/09/22 17:50	06/14/22 10:20
620-5103-12	56 Forest Edge	Drinking Water	06/09/22 18:30	06/14/22 10:20
620-5103-13	Trip Blank	Water	06/07/22 08:00	06/14/22 10:20
620-5103-14	907 Bleecher-FD	Drinking Water	06/07/22 14:38	06/14/22 10:20





620-5103 Chain of Custody

S103

CHAIN OF CUSTODY RECORD

Instrument Testing
New England

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

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

Report To: Stone Environmental
535 Stone Cutters Way
Montpelier VT
802.229.6437
Katrina Mathie

Invoice To: Stone accounting
PO No. 2021205
Quote # _____

Project No: 2021205
Site Name: Hinesburg VT
Location: Hinesburg, VT
Sampler(s): KJM
State: VT

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₃ 9=Deionized Water 10=H₂PO₄
11=Trizma 12=NONE
X1= _____ X2= _____ X3= _____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SC=Soil Gas
Matrix: _____ Type: _____

QA/QC Reporting Notes:
*additional charges may apply
MA DEP MCP CAM Report? Yes No
CT DPH RCP Report? Standard No QC
DQA* ASP A* ASP B* NO Full* Tier IV*
Other: _____
State-specific reporting standards: _____

Lab ID:	Sample ID:	Date:	Time:	Matrix:	Containers			Check if chlorinated	Temp °C	Time:	Date:	Received by:
					# of Amber Glass	# of Clear Glass	# of Plastic					
01	MW-1R	6/7/22	1135	GW	3	5	5		0.6	10:30	6/10/22	vital delivery
02	907 Beecher-FB		1428	DN		1	1		0.4			Feo Ex
03	907 Beecher-EFF		1430	G		2	2					Nick Adams
04	907 Beecher-MID		1434	G		2	2					
05	907 Beecher-INF		1438	G		2	2					
06	MW-4S		1545	GW	3	5	5					
07	MW-4D		1725	G	3	5	5					
08	MW-4D-FD		1725	G	3	4	4					
09	MW-3D	6/9/22	1020	G	3	5	5					
10	EB-060922		1730	G	3	5	5					

List Preservative Code below:
2 11 4 3 12 2 11
Analysis
VCS 8260 X
PFS 53710 X
Metals 6010/7471 X
Cd X
Chloride Sodium X
VCS 5242 X
PFS 53710 MAD X

Relinquished by: Katrina Mathie
TRABUS
Received by: vital delivery
Feo Ex
Nick Adams
E-mail to: kmathie@stone-env.com
E-mail to: kmathie@stone-env.com
Condition upon receipt: Present Intact Broken
 Ambient Iced Refrigerated VOA Frozen Soil Jar Frozen

5103



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.

Report To: Stone Environmental
535 Stone Cutters Way
Montpelier VT
05602
Telephone #: 802-229-6435
Project Mgr: Katrina Maltrice

Invoice To: Stone Accounting
Project No: 20211205
Site Name: Hinesburg UF
Location: Hinesburg State: VT
Sampler(s): KJM

PO No: 20241203 Quote #: _____
11= _____ 12= _____
F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₂PO₄

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= _____
C=Compsite
G= Grab

List Preservative Code below:
Analysis
Containers
of VOA Vials
of Amber Glass
of Clear Glass
of Plastic
Temp °C
Date
Time
Received by:
Relinquished by:

Lab ID	Sample ID	Date	Time	Matrix	Type	Temp °C	Date	Time	Received by	Relinquished by
11	PW-060922	6/9/22	1750	GW	G	Observed 0.6	6/10/22	10:30	Vital delivery	Maltrice
12	S6ForestEdge	J	1830	GDW	3	Conversion Factor 0.4			Fed Ex	
13	Tr.p Blank	6/7/22	0800	GW	2	Compost 1.0	6/14/22	10:20	North Bath	
						IR ID#				

QA/QC Reporting Notes:
* additional changes may apply
MA DEP MCP CAM Report? Yes No
CT DPH RCP Report? Standard No QC
DQA* ASP A* ASP B*
 NI Reduced* NI Full*
 Tier II* Tier IV*
Other _____
State-specific reporting standards.

Check if chlorinated:

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

EDD format: Equis EF
E-mail to: maltrice@stone-env.com

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



- 1
- 2
- 3
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- 10
- 11
- 12
- 13
- 14
- 15
- 16

Part# 159489-434 NTW EXP 12/22
 Part # 159489-434 NTW EXP 12/22 **

ORIGIN ID:BTVA (802) 660-1890
 SAMPLE RECEIVING
 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

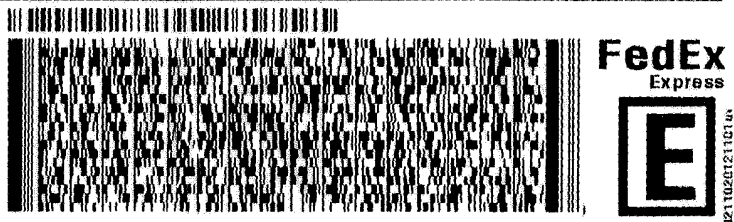
SHIP DATE: 13JUN22
 ACTWGT: 38.00 LB MAN
 CAD: 000890364/CAFE3512
 DIMS: 24x14x16 IN

BILL RECIPIENT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

INVT: REF: DEPT:
 PO:

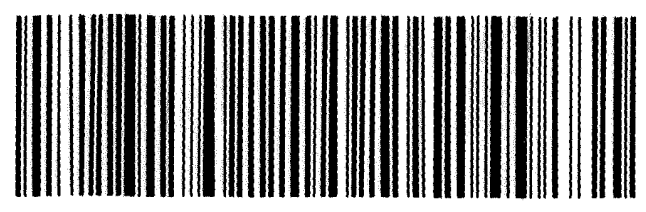


1 of 2
 TRK# 5849 1881 8463
 0201
 ## MASTER ##

TUE - 14 JUN 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852-
RI-US PVD



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Part # 159489-424 MW/EXP 12/22 **

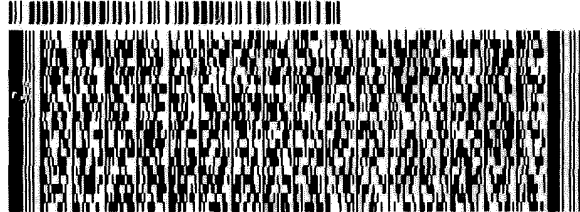
ORIGIN ID:BTVA (802) 860-1990
 SAMPLE RECEIVING
 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 13JUN22
 ACTWT: 38.00 LB MAN
 CAD: 000890364/CAFE3512
 DIMS: 24x14x18 IN
 BILL RECIPIENT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

INU: REF: DEPT:
 PO:

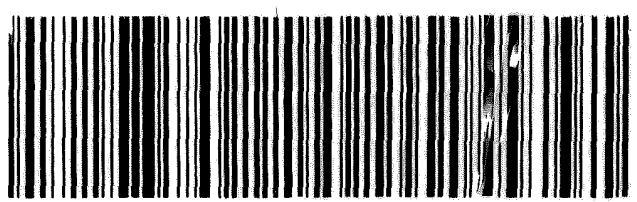


2 of 2
 MPS# 5849 1881 8474
 (0263)
 Mstr# 5849 1881 8463

TUE - 14 JUN 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
RI - US PVD



Eurofins New England

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

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler:		Lab PM Huntley, Agnes R		Carrier Tracking No(s):		COC No: 620-4589.1																					
Client Contact: Shipping/Receiving		Phone:		E-Mail: Agnes.Huntley@et.eurofinsus.com		State of Origin: Vermont		Page: Page 1 of 2																					
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Vermont				Job #: 620-5103-1																					
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email:		Due Date Requested: 6/22/2022 TAT Requested (days):		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)																			
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:		Project #: 62000809 SSOW#																											
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=organic, BT=Trace, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA3535_PFC PFAS list of 24	410-4	300_ORGFM_28Dy (MOD) Copy Analytes	537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18	524.2_Preserved/ (MOD) Regulated + THM's	Total Number of containers	Special Instructions/Note:															
MW-1R (620-5103-1)		6/7/22	11:35 Eastern	Water		X	X	X					4																
907 Bleacher-FB (620-5103-2)		6/7/22	14:28 Eastern	Drinking Water							X		1	VT VGES/MCL															
907 Bleacher-EFF (620-5103-3)		6/7/22	14:30 Eastern	Drinking Water							X	X	2	VT VGES/MCL															
907 Bleacher-MID (620-5103-4)		6/7/22	14:34 Eastern	Drinking Water							X	X	2	VT VGES/MCL															
907 Bleacher-INF (620-5103-5)		6/7/22	14:38 Eastern	Drinking Water							X	X	2	VT VGES/MCL															
MW-4S (620-5103-6)		6/7/22	15:45 Eastern	Water		X	X	X					4																
MW-4D (620-5103-7)		6/7/22	17:25 Eastern	Water		X	X	X					4																
MW-4D-FD (620-5103-8)		6/7/22	17:25 Eastern	Water		X	X						3																
MW-3D (620-5103-9)		6/9/22	16:20 Eastern	Water		X	X	X					4																
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.																													
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																			
Unconfirmed										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																			
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2					Special Instructions/QC Requirements:																			
Empty Kit Relinquished by:					Date:					Time:					Method of Shipment:														
Relinquished by: <i>[Signature]</i>					Date/Time: 18:16 6/14/22					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: 6/15/22 1039					Company: <i>[Signature]</i>				
Custody Seals Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					Custody Seal No.:					Cooler Temperature(s) °C and Other Remarks: 0.4																			

Eurofins New England

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

Chain of Custody Record



Client Information (Sub Contract Lab)				Sampler:	Lab PM: Huntley, Agnes R	Carrier Tracking No(s):	COC No: 620-4589.2								
Client Contact: Shipping/Receiving				Phone:	E-Mail: Agnes.Huntley@et.eurofinsus.com	State of Origin: Vermont	Page: Page 2 of 2								
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): State - Vermont			Job #: 620-5103-1								
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email:		Due Date Requested: 6/22/2022 TAT Requested (days):		Analysis Requested				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Y - Trizma Z - other (specify)							
Project Name: Town of Hinesburg Landfill - Hinesburg, Site:		Project #: 62000809 SSOW#:													
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/J3535_PFC PFAS list of 24	410.4	300_ORGFM_2BD/ (MOD) Copy Analytes	537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 18	524.2_Preserved/ (MOD) Regulated + THM's	Total Number of Containers	Special Instructions/Note:	
EB-060922 (620-5103-10)		6/9/22	17:30 Eastern		Water		X	X	X				4		
56 Forest Edge (620-5103-12)		6/9/22	18:30 Eastern		Drinking Water					X	X		1	VT VGES/MCL	
907 Bleacher-FD (620-5103-14)		6/7/22	14:38 Eastern		Drinking Water					X	X		2	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 out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.															
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2			Special Instructions/QC Requirements:						
Empty Kit Relinquished by:				Date:	Time:	Method of Shipment:									
Relinquished by:				Date/Time: 6/14/22 18:16	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: 6/17/22 10:39	Company:					
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: 0.4										

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-5103-1

Login Number: 5103

List Source: Eurofins New England

List Number: 1

Creator: Makhoul, Elie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	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: 620-5103-1

Login Number: 5103

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 06/15/22 12:44 AM

Creator: Metzger, Katherine A

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