

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

907 Beecher Hill Rd., Hinesburg, VT
February 16, 2023



STONE
ENVIRONMENTAL



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REVIEWED BY:

**KJM
MS**

PREPARED FOR:

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

10632 VT Route 116
Hinesburg / Vermont / 05461

SUBMITTED BY:

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

535 Stone Cutters Way
Montpelier / VT 05602
kmattice@stone-env.com
802.229.6434

Title and Approval Page

Document Title

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

February 16, 2023

Document Prepared by:

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

Document Preparer Approvals:

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

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



February 16, 2023

Signature

Date

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. The primary objective of this work was to assess groundwater and drinking water contamination related to leachate migration from the landfill. Stone has prepared this Semi-Annual Groundwater Monitoring Report on behalf of the Town of Hinesburg. Monitoring was completed in accordance with Stone's *Post Closure Plan, Town of Hinesburg, Closed Municipal Solid Waste Landfill*, dated November 18, 2021.

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

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

Groundwater, drinking water, and surface water monitoring fieldwork was completed from October 19 through December 15, 2022. Seven 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 Highway Garage. Drinking water was analyzed for VOCs and PFAS. Surface water was monitored for physiochemical parameters upstream and downstream of the landfill.

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

- Perfluoroheptanoic acid (PFHpA), perfluorohexanesulfonic acid (PFHxS), and/or perfluorooctanoic acid (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-2D, MW-3D and MW-4S. Manganese exceeded the VGES in 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.
 - Reducing conditions were present upgradient from the landfill in MW-1R, and both manganese and iron were detected, however metal concentrations increase downgradient of landfill.
 - Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<7,500 micrograms per liter [$\mu\text{g/L}$]; MW-2S) to 48,900 $\mu\text{g/L}$ (MW-3D). Sodium concentrations in groundwater ranged from 4,180 $\mu\text{g/L}$ (MW-2S) to 79,600 $\mu\text{g/L}$ (MW-3D).
 - Based on chloride and sodium concentrations, it appears that leachate is migrating from the landfill in both a southern and southeastern direction, where the bedrock aquifer southeast of the landfill has the highest concentrations of leachate indicator parameters.
 - Chemical oxygen demand (COD) in groundwater was below laboratory reporting limits for all samples.
 - 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 Drinking Water Health Advisory (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). Additionally, 56 Forest Edge Road/685 Beecher Hill Road has total regulated PFAS concentrations above the DWHA/VGES. The PFAS contamination appears to be migrating through the overburden groundwater southwest of the landfill.
 - Regulated PFAS compounds were detected in 152 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 overburden 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 had breakthrough of methylene chloride above the DWHA/VGES in the effluent during the October 2022 monitoring. An error in the replacement of the carbon filters was determined as the cause of this breakthrough to the effluent. The filters have since been replaced as of December 2022 and VOCs were not detected in the mid and effluent locations above laboratory reporting limits following filter replacement.
 - Surface water physiochemical parameters upstream and downstream of the landfill were similar, with aerobic conditions in surface water and low conductivity. Leachate does not appear to be migrating to surface water.

Based on these data, Stone makes the following recommendations:

1. Continued semi-annual monitoring of seven monitoring wells, MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D for PFAS, VOCs, total metals including arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc, chloride, sodium and COD.
2. Continued semi-annual monitoring of two surface water locations (upgradient and downgradient of the landfill) in Beecher Brook for physical and chemical field parameters including pH, specific conductance, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity.
3. 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. Installation of POET systems at the 56 Forest Edge Road and 685 Beecher Hill Road properties. It should be noted installation of POET systems occurred on January 26, 2023 at 56 Forest Edge Road and January 18, 2023 at 685 Beecher Hill Road.
 - i. Following installation, samples should be collected from the influent, mid, and effluent sample locations for PFAS analysis. Samples were collected on January 27, 2023 and data is pending. Future monitoring of the influent, mid, and effluent should occur semi-annually for PFAS and VOCs analysis. This monitoring will assist in determining carbon changeout schedules.
5. Continued operations and maintenance of the POET systems.
6. Expand the drinking water monitoring to four nearby residential properties based on distance and direction from the landfill. The drinking water samples shall be analyzed for PFAS and VOCs semi-annually. The locations are as follows:
 - i. Krista Willet at 490 North Road, located southeast of landfill,
 - ii. Robert Mello and Priscilla Reidinger at 182 Forest's Edge Road, located west of landfill,
 - iii. Tyler Eastman and Jessica Godfrey at 794 Beecher Hill Road, located south of landfill, and
 - iv. Timothy and Linda Parent at 413 North Road, located south of landfill.
7. If the preventive action level (PAL) as established by the Groundwater Protection Rule and Strategy (GWPRS) §12-602 is exceeded at any of the water supply wells, then additional drinking water locations will be evaluated to be monitored. If PFAS and VOCs are not detected above the PAL at the water supply wells for two consecutive rounds, then monitoring shall cease.

Fall 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 fall 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 closed the landfill.

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

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

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

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

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

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

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

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

Stone performed a Site Investigation in 2021 to assess groundwater and drinking water quality at the closed municipal solid waste landfill due to VOCs and PFAS contamination in nearby drinking water supply wells, including 152 Forest Edge Road and 907 Beecher Hill Road (Hinesburg Highway Garage). The Site Investigation also included the installation of point-of-entry treatment (POET) systems for the water supplies

at 152 Forest Edge Road and 907 Beecher Hill Road. The existing monitoring well network was expanded with two additional wells, MW-4S/MW-4D. The results of the groundwater assessment indicated perfluoroheptanoic acid (PFHpA), perfluorohexanesulfonic acid (PFHxS), and perfluorooctanoic acid (PFOA) were detected above the Vermont Groundwater Enforcement Standard (VGES) in MW-3S and MW-3D. Total regulated PFAS were measured above the VGES in monitoring wells MW-3S, MW-3D, MW-4S, and MW-4D. No VOCs were detected above the VGES in any of the groundwater samples. Arsenic was detected above the VGES in MW-2S, MW-2D, MW-3S and MW-4S and lead exceeded the VGES in MW-4D. Manganese exceeded the VGES in all monitoring wells. For drinking water, total regulated PFAS exceeded the Drinking Water Health Advisory (DWHA) level of 20 nanograms per liter (ng/L) and the VGES at 907 Beecher Hill Road (Hinesburg Highway Garage). Methylene chloride exceeded the DWHA/VGES at 152 Forest Edge Road.

2. Methods

2.1. Deviations to proposed scope of work

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

1. MW-1R was sampled on November 11, 2022, as an oversight. The remaining monitoring well network was sampled on October 19 and 20, 2022.
2. During the routine replacement of the carbon filters within the POET system at 152 Forest Edge Road, the secondary filter was not rotated into the primary position. This led to a breakthrough of certain VOCs, including methylene chloride, in concentrations above the DWHA/VGES in the effluent. This breakthrough was confirmed when the POET system was resampled on December 15, 2022. The secondary filter was replaced on December 8, 2022.

2.2. Low Flow Groundwater Sampling

Seven monitoring wells were sampled, including MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D. Groundwater samples were collected using low-flow methodology in accordance with Section III.C. of the Procedure Addressing Groundwater Quality Monitoring and response When a Groundwater Standard is reached or Exceeded at Municipal Solid Waste Landfills (the Procedure, VT DEC, 1999). Groundwater was sampled with dedicated 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.

2.3. POET System O&M

Due to breakthrough of methylene chloride in the mid location of 152 Forest Edge Road as detected during the spring 2022 sampling event, the lead carbon vessel was exchanged on October 18, 2022. As noted in the deviations in Section 2.1, typically the lead vessel is removed, the lag vessel is moved to the lead location and then a new lag vessel is installed. Since the operations and maintenance (O&M) of 152 Forest Edge Road did not occur with typical procedures, the lag vessel was then exchanged on December 8, 2022.

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 Highway Garage located at 907 Beecher Hill Road. For 56 Forest Edge Road/685 Beecher Hill Road, the drinking water sample was collected from the shallow well on 685 Beecher Hill Road with dedicated ¼-inch outer diameter HDPE tubing. The water supplies at 152 Forest Edge Road and Hinesburg Highway 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 EPA method 537.1.

2.5. Surface Water Monitoring

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

2.6. Investigation Derived Waste

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

3. Results

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

- Table C-1: 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. Potentiometric Surface

Elevation of potentiometric surface in overburden monitoring wells relative to mean sea level, ranged between 633.51 feet (MW-1R) to 560.77 feet (MW-3S) as measured on October 19 and November 11, 2022. Direction of overburden groundwater flow is inferred to be generally to the southeast at an approximately 6.8% hydraulic gradient. Elevation of potentiometric surface in bedrock monitoring wells relative to mean sea level, ranged between 554.22 feet (MW-2D) to 541.83 feet (MW-3D) as measured on October 19 and 20, 2022. Direction of bedrock groundwater flow is generally to the southeast at an approximately 1.8% 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 1 below represents the calculated groundwater elevations. The groundwater potentiometric surfaces in the overburden aquifer and the bedrock aquifer are shown in Figures 4 and 5, respectively.

Table 1: Groundwater Elevations, Fall 2022

| Location ID | Date of Measurement | Top of Casing Elevation (feet) | Depth to Water (feet, TOC) | Water Table Elevation (feet) |
|-------------|---------------------|--------------------------------|----------------------------|------------------------------|
| MW-1R | November 11, 2022 | 673.30 | 39.79 | 633.51 |
| MW-2S | October 19, 2022 | 658.79 | 50.33 | 608.46 |
| MW-3S | October 19, 2022 | 598.25 | 37.48 | 560.77 |

| Location ID | Date of Measurement | Top of Casing Elevation (feet) | Depth to Water (feet, TOC) | Water Table Elevation (feet) |
|-------------|---------------------|--------------------------------|----------------------------|------------------------------|
| MW-4S | October 19, 2022 | 624.35 | 36.80 | 587.55 |
| MW-2D | October 20, 2022 | 656.02 | 101.80 | 554.22 |
| MW-3D | October 19, 2022 | 596.17 | 54.34 | 541.83 |
| MW-4D | October 19, 2022 | 623.17 | 69.58 | 553.59 |

3.3. Groundwater Quality Results

3.3.1. Physiochemical Parameters

The physiochemical properties measured at the end of low flow purging on October 19, 20 and November 11, 2022 are presented in Table 2, below:

Table 2: Physical and Chemical Parameters, Fall 2022

| Location | Temperature (°C) | pH (s.u.) | DO (mg/L) | ORP (mV) | Conductivity (µS) | Turbidity (NTU) |
|----------|------------------|-----------|-----------|----------|-------------------|-----------------|
| MW-1R | 12.0 | 8.74 | 2.00 | -332.8 | 126.9 | 56.4 |
| MW-2S | 10.8 | 6.66 | 4.87 | -60 | 753 | 13.4 |
| MW-3S | 11.4 | 6.69 | 5.70 | 0 | 1103 | 14.0 |
| MW-4S | 10.8 | 6.60 | 0.70 | -32 | 1239 | 8.7 |
| MW-2D | 9.5 | 6.98 | 4.13 | -1 | 505 | 6.3 |
| MW-3D | 11.8 | 6.77 | 0.55 | -40 | 1528 | 11.4 |
| MW-4D | 11.0 | 7.73 | 1.99 | 7 | 381 | 16.3 |

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 7 mV in MW-4D to -332.8 mV in MW-1R. DO values ranged from 5.70 mg/L in MW-3S to 0.55 mg/L in MW-3D. Results are consistent with previous sampling where both MW-3S and MW-4D physiochemical parameters have a neutral or oxidizing environment and the remainder of the wells have reducing environments.

3.3.2. Per- and Polyfluoroalkyl Substances

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

Table 3: Regulated PFAS Exceedances in Groundwater, Fall 2022

| Location | PFHpA | PFHxS | PFNA | PFOS | PFOA | Total Regulated PFAS |
|--------------------|-------------|-------------|-----------|-------------|-------------|----------------------|
| MW-1R | 1.72 U | 1.72 U | 1.72 U | 1.72 U | 1.72 U | 1.72 U |
| MW-2S | 4.03 | 1.82 U | 1.82 U | 2.94 U | 7.16 | 11.19 |
| MW-3S | 26.1 | 9.89 | 1.75 U | 2.21 | 41.4 | 79.6 |
| MW-4S | 13.5 | 4.63 | 1.85 U | 1.85 U | 32.4 | 50.5 |
| MW-2D | 1.87 U | 1.87 U | 1.87 U | 1.87 U | 2.32 | 2.32 |
| MW-3D | 47.8 | 29.1 | 1.81 U | 3.86 | 124 | 205 |
| MW-4D | 2.09 U | 2.09 U | 2.09 U | 2.09 U | 2.09 U | 2.09 U |
| VGES (ng/L) | 20 | 20 | 20 | 20 | 20 | 20 |

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

3.3.3. Volatile Organic Compounds

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

3.3.4. Total Metals

Arsenic was detected above the VGES concentrations within groundwater collected from monitoring wells MW-2S, MW-2D, MW-3S, MW-3D, and MW-4S. Manganese was detected above the VGES in MW-2S, MW-3S, and MW-3D. Lead was not detected in any of the groundwater samples. Arsenic, lead, and manganese concentrations in groundwater are summarized in Table 4, 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 4: Total Metals Exceedances in Groundwater, Fall 2022

| Location | Arsenic | Lead | Manganese |
|----------|-------------|------|--------------|
| MW-1R | 15 U | 10 U | 187 |
| MW-2S | 150 | 15 U | 1,310 |
| MW-3S | 12.9 | 15 U | 4,230 |
| MW-4S | 223 | 15 U | 151 |
| MW-2D | 14.9 | 15 U | 193 |

| | | | |
|--------------------|-------------|-----------|-------------|
| MW-3D | 19.7 | 15 U | 2500 |
| MW-4D | 4 U | 7.5 U | 74.8 |
| VGES (µg/L) | 10 | 15 | 300 |

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

3.3.5. Chloride

Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<7,500 micrograms per liter [µg/L]; MW-1R) to 48,900 µg/L (MW-3D). There is currently no VGES for chloride.

3.3.6. Chemical Oxygen Demand

COD in groundwater samples were below laboratory reporting limits (75 mg/L) in all sampled wells. There is currently no VGES for COD.

3.4. Water Supply Well Results

3.4.1. 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 samples collected from 907 Beecher Hill Road (Hinesburg Highway Garage). Total regulated PFAS exceeded the 20 ng/L DWHA/VGES in the water supply sample collected from 56 Forest Edge/685 Beecher Hill. 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 with a POET system.

PFAS concentrations in drinking water samples are summarized in Table 5, below.

Table 5: Regulated PFAS Exceedances in Drinking Water, Fall 2022

| Location | Sample ID | PFHpA | PFHxS | PFNA | PFOS | PFOA | Total Regulated PFAS |
|--------------------------|---------------------------------|-------------|-------------|-----------|-------------|-------------|----------------------|
| Hinesburg Highway Garage | 907 Beecher-INF | 10.5 | 6.65 | 2.02 U | 2.02 U | 30.3 | 47.5 |
| | 907 Beecher-MID | 1.86 U | 1.86 U | 1.86 U | 1.86 U | 1.86 U | 1.86 U |
| | 907 Beecher-EFF | 1.93 U | 1.93 U | 1.93 U | 1.93 U | 1.93 U | 1.93 U |
| Turner Residence | 152 Forest Edge Rd-INF | 2.14 | 1.77 U | 1.77 U | 1.77 U | 2.26 | 4.40 |
| | 152 Forest Edge Rd-MID | 1.85 U | 1.85 U | 1.85 U | 1.85 U | 1.85 U | 1.85 U |
| | 152 Forest Edge Rd-EFF | 1.86 U | 1.86 U | 1.86 U | 1.86 U | 1.86 U | 1.86 U |
| | 56 Forest Edge/685 Beecher Hill | 4.97 | 3.51 | 1.89 U | 4.75 | 7.40 | 20.63 |
| 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

3.4.2. Volatile Organic Compounds

Methylene chloride exceeded the DWHA/VGES in the influent and effluent of the 152 Forest Edge Road POET treatment system. Tetrahydrofuran was detected in the influent and effluent of the 152 Forest Edge Road POET treatment system as well. However, ethylene chloride and tetrahydrofuran were not detected above the laboratory reporting limit between the carbon filters (mid) at 152 Forest Edge Road. Methyl tert-butyl ether was detected below the DWHA/VGES in the influent sample from 907 Beecher Hill Road, along with detections of ethyl ether and tetrahydrofuran. 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.

Due to the methylene chloride exceedance in the effluent of 152 Forest Edge Road, as collected on October 20, 2022, a confirmatory sample was collected on November 17, 2022. Methylene chloride still exceeded the VGES. As a corrective action, as stated in Section 2.3, the lag carbon vessel was exchanged, and the effluent was resampled on December 15, 2022. No VOCs were detected in 152 Forest Edge Road effluent on December 15, 2022.

No regulated VOCs were detected in the drinking water sample collected at 56 Forest Edge Road.

VOC detections in drinking water samples are summarized in Table 6, below.

Table 6: Regulated VOC Detections in Drinking Water, Fall 2022

| Sample ID | Chloroform | Ethyl Ether | Methylene Chloride | Tetrahydrofuran | Freon 113 | Methyl tert-butyl ether |
|------------------------|--------------|-------------|--------------------|-----------------|-----------|-------------------------|
| 907 Beecher-INF | 0.5 U | 8.52 | 0.5 U | 22 | 0.5 U | 0.958 |
| 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 | 6.87 | 12.3 | 16.9 | 0.5 U | 0.5 U |
| 152 Forest Edge Rd-MID | 0.5 U | 0.5 U | 0.5 U | 7.0 U | 0.5 U | 0.5 U |
| 152 Forest Edge Rd-EFF | 0.5 U | 0.5 U | 11.8 | 7.34 | 0.5 U | 0.5 U |
| 56 Forest Edge Rd | 0.991 | 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.

3.5. Surface Water Results

3.5.1. Physiochemical Parameters

The physiochemical properties measured for surface waters in Beecher Brook on October 20, 2022, are presented in Table 7, below.

Table 7: Physical and Chemical Parameters of Surface Waters, Fall 2022

| Location | Temperature (°C) | pH (s.u.) | DO (mg/L) | ORP (mV) | Conductivity (µS) | Turbidity (NTU) |
|----------|------------------|-----------|-----------|----------|-------------------|-----------------|
| SW-1 | 8.2 | 7.84 | 11.60 | 7.2 | 131.0 | 0.0 |
| SW-2 | 8.4 | 7.85 | 11.10 | 5.4 | 136.0 | 0.0 |

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

3.6. Trend Analysis

Locations with four or more data points were analyzed for trend using linear regression. Metal concentrations, specifically manganese and arsenic, have increased in MW-3D since the start of monitoring in June 2021, however it should be noted that dissolved metals were collected in June 2021 compared to total metals for the remaining three events. Conversely, the concentration of VOC vinyl chloride has decreased from above the standard to undetectable levels in the same time span. In drinking water, PFAS concentrations have remained stable above the VGES at the Hinesburg Garage, while they have increased at 56 Forest Edge Road/685 Beecher Hill Road to above the VGES. The concentration of the VOC methylene chloride at 152 Forest Edge Road has slightly increased, remaining above the VGES.

There are currently only three data points for PFAS in MW-3S, MW-3D, MW-4S, however concentrations appear to be slightly increasing.

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-2S. The RPD for groundwater VOCs ranged from 0% for benzene to 2% for ethyl ether. RPDs for total metals in groundwater ranged from 0% for iron to 7% for nickel. RPDs for groundwater PFAS ranged from 0% for perfluorobutanoic acid (PFBA) to 16% for perfluorohexanoic acid (PFHxA). The RPD for chloride and chemical oxygen demand was unable to be calculated due to both analytes being below laboratory reporting limits. All drinking water RPDs were within the EPA acceptance criteria of 30% for aqueous solutions.

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 0% for dichlorodifluoromethane to 6% for methyl tert-butyl

ether. RPDs for PFAS ranged from 2% for perfluorobutanesulfonic acid (PFBS) to 9% for PFOA and 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 October 2022 shipment submitted to the laboratory for VOC analysis. VOCs were not detected in the trip blank.

3.7.3. Field Reagent Blank

A field reagent blank for PFAS analysis was collected on October 19, 2022 and October 20, 2022. PFAS were not detected above the laboratory reporting limit in the field reagent blank from October 19, 2022. The reagent blank from October 20, 2022 had detections of PFHxA and perfluoropentanoic acid. The only location sampled on October 20, 2022 was MW-2D, which did not have detections of PFHxA and perfluoropentanoic acid above the laboratory reporting limit. Therefore, the data is usable for MW-2D.

3.7.4. Equipment Blank

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

4. Conceptual Site Model

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

4.1. Geology

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

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

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

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

4.2. Hydrogeology

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

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

4.3. Contaminant Sources, Distribution, Fate and Transport

4.3.1. Leachate Indicator Parameters

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

4.3.2. VOCs

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

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

4.3.4. Total Metals

The generally reducing groundwater environment observed surrounding the landfill 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 in June 2022, but below the VGES in October 2022. Manganese concentrations generally increase downgradient of the landfill.

4.4. Sensitive Receptors Evaluation

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

Table 8: Sensitive Receptors Evaluation

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

4.4.1. Drinking Water Supplies

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

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

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

| Well Report Number/ Tag | Owner Name | Address/ Location/ Adjoining | Well Depth (ft) | Overburden Thickness (ft) | Well Type | Bedrock Type | Sample Date |
|-------------------------|---|---|-----------------|---------------------------|-----------|---|--|
| 51551 | Town of Hinesburg | 970 Beecher Hill Rd/ Southeast/ same parcel | 245 | 28 | Bedrock | Limestone, intermittent soft seams of clay and sand (weather bedrock) | 6/21/21 7/20/21 12/16/21 6/7/2022 10/20/2022 |
| 29013 | Judy Cardinal | 107 Observatory Road/ Northeast/ Yes | 595 | 15 | Bedrock | Green Schist | 10/14/21 (no VOC or PFAS detections) |
| 58092 | Ryan Mobbs | 340 Observatory Road/ Northwest/ Yes | 600 | 27 | Bedrock | Limestone | Not sampled |
| NA | Laura and Samuel Wisniewski | 714 Beecher Hill Rd/ Southwest/ No | NA | NA | NA | NA | 9/23/21 (no VOCs or PFAS detections) |
| 182 | Terence & Janet Francis | 206 Forest's Edge Road/ West/ No | 398 | 80 | Bedrock | Gray bedrock | 9/7/21 (no VOCs or PFAS detections) |
| 128 | Tyler Eastman and Jessica Godfrey | 794 Beecher Hill Rd/ South/ Yes | 123 | 76 | Bedrock | Brown and gray bedrock | 7/20/21 (no VOCs or PFAS detections) |
| NA | Mead Family Trust (John and Sally Mead) | 291 Forest's Edge Road/ West/ No | NA | NA | NA | NA | 9/7/21 (no VOCs or PFAS detections) |
| NA | Robert Mello and Priscilla Reidinger | 182 Forest's Edge Road/ West/ Yes | NA | NA | NA | NA | 7/20/21 (no VOCs or PFAS detections) |
| 272/J-62 | Timothy & Linda Parent (shared with Jeffrey Parent, Elizabeth Parent & Jeffrey Stein) | 413 North Road/ South/ Yes | 225 | 55 | Bedrock | Decayed schist | 9/28/21 (no VOCs or PFAS detections) |

| Well Report Number/ Tag | Owner Name | Address/ Location/ Adjoining | Well Depth (ft) | Overburden Thickness (ft) | Well Type | Bedrock Type | Sample Date |
|-------------------------|-------------------------|------------------------------------|-----------------|---------------------------|-----------|---|-------------|
| 254/F-16 | James & Kathleen Rhode | 259 Forest's Edge Road/ West/ No | 325 | 74 | Bedrock | Weathered limestone underlaid by blue limestone | Not sampled |
| NA | Gary and Mary Donaldson | 688 Beecher Hill Rd/ Southwest/ No | NA | NA | NA | NA | Not sampled |
| NA | Krista Willet | 490 North Road/ Southeast/ Yes | NA | NA | NA | NA | Not sampled |
| 120 | Robert Brown | Unknown | 230 | 115 | Bedrock | Bedrock | Unknown |

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

5. Conclusions and Recommendations

Based on the results of the fall 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-2D, MW-3D and MW-4S. Manganese exceeded the VGES in 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.
 - Reducing conditions were present upgradient from the landfill in MW-1R, and both manganese and iron were detected, however metal concentrations increase downgradient of landfill.
- Chloride concentrations in groundwater samples ranged between below laboratory reporting limits (<7,500 micrograms per liter [$\mu\text{g/L}$]; MW-2S) to 48,900 $\mu\text{g/L}$ (MW-3D). Sodium concentrations in groundwater ranged from 4,180 $\mu\text{g/L}$ (MW-2S) to 79,600 $\mu\text{g/L}$ (MW-3D).
 - Based on chloride and sodium concentrations, it appears that leachate is migrating from the landfill in both a southern and southeastern direction, where the bedrock aquifer southeast of the landfill has the highest concentrations of leachate indicator parameters.
- COD in groundwater was below laboratory reporting limits for all samples.
 - 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). Additionally, 56 Forest Edge Road/685 Beecher Hill Road has total regulated PFAS concentrations above the DWHA/VGES. The PFAS contamination appears to be migrating through the overburden groundwater southwest of the landfill.
 - Regulated PFAS compounds were detected in 152 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 overburden 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 had breakthrough of methylene chloride above the DWHA/VGES in the effluent during the October 2022 monitoring. An error in the replacement of the carbon filters was determined as the cause of this breakthrough to the effluent. The filters have since been replaced as of December 2022 and VOCs were not detected in the mid and effluent locations above laboratory reporting limits following filter replacement.
 - Surface water physiochemical parameters upstream and downstream of the landfill were similar, with aerobic conditions in surface water and low conductivity. Leachate does not appear to be migrating to surface water.

Based on these data, Stone makes the following recommendations:

1. Continued semi-annual monitoring of seven monitoring wells, MW-1R, MW-2S/-2D, MW-3S/-3D, MW-4S/-4D for PFAS, VOCs, total metals including arsenic, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel, and zinc, chloride, sodium and COD.
2. Continued semi-annual monitoring of two surface water locations (upgradient and downgradient of the landfill) in Beecher Brook for physical and chemical field parameters including pH, specific conductance, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity.
3. 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. Installation of POET systems at the 56 Forest Edge Road and 685 Beecher Hill Road properties. It should be noted installation of POET systems occurred on January 26, 2023 at 56 Forest Edge Road and January 18, 2023 at 685 Beecher Hill Road.
 - i. Following installation, samples should be collected from the influent, mid, and effluent sample locations for PFAS analysis. Samples were collected on January 27, 2023 and data is pending. Future monitoring of the influent, mid, and effluent should occur semi-annually for PFAS and VOCs analysis. This monitoring will assist in determining carbon changeout schedules.
5. Continued operations and maintenance of the POET systems.
6. Expand the drinking water monitoring to four nearby residential properties based on distance and direction from the landfill. The drinking water samples shall be analyzed for PFAS and VOCs semi-annually. The locations are as follows:
 - i. Krista Willet at 490 North Road, located southeast of landfill,
 - ii. Robert Mello and Priscilla Reidinger at 182 Forest's Edge Road, located west of landfill,
 - iii. Tyler Eastman and Jessica Godfrey at 794 Beecher Hill Road, located south of landfill, and
 - iv. Timothy and Linda Parent at 413 North Road, located south of landfill.
7. If the preventive action level (PAL) as established by the Groundwater Protection Rule and Strategy (GWPRS) §12-602 is exceeded at any of the water supply wells, then additional drinking water locations will be evaluated to be monitored. If PFAS and VOCs are not detected above the PAL at the water supply wells for two consecutive rounds, then monitoring shall cease.

6. References

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

Appendix A: Figures

Figure 1: Location Map

Figure 2: Vicinity Map

Figure 3: Site Map

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

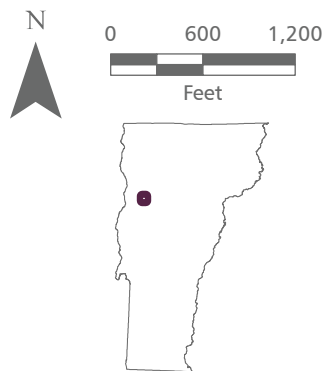


Figure 1: Location Map

Hinesburg Landfill Fall 2022
Semi-Annual Monitoring Report

Prepared for Town of Hinesburg



Source: Esri World Imagery, VCGI
 Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205
 Hinesburg Landfill.aprx Figure 1 - Location Map Exported: 8/17/2022 11:09 AM by swalser



LEGEND

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

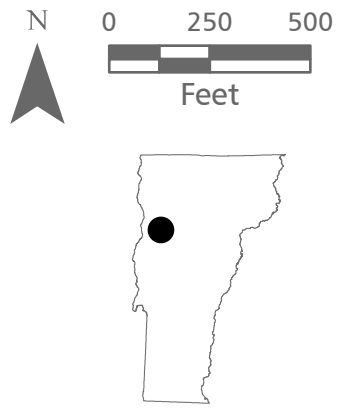


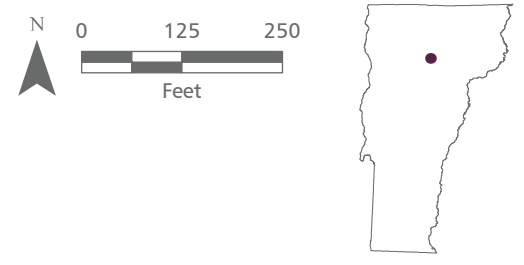
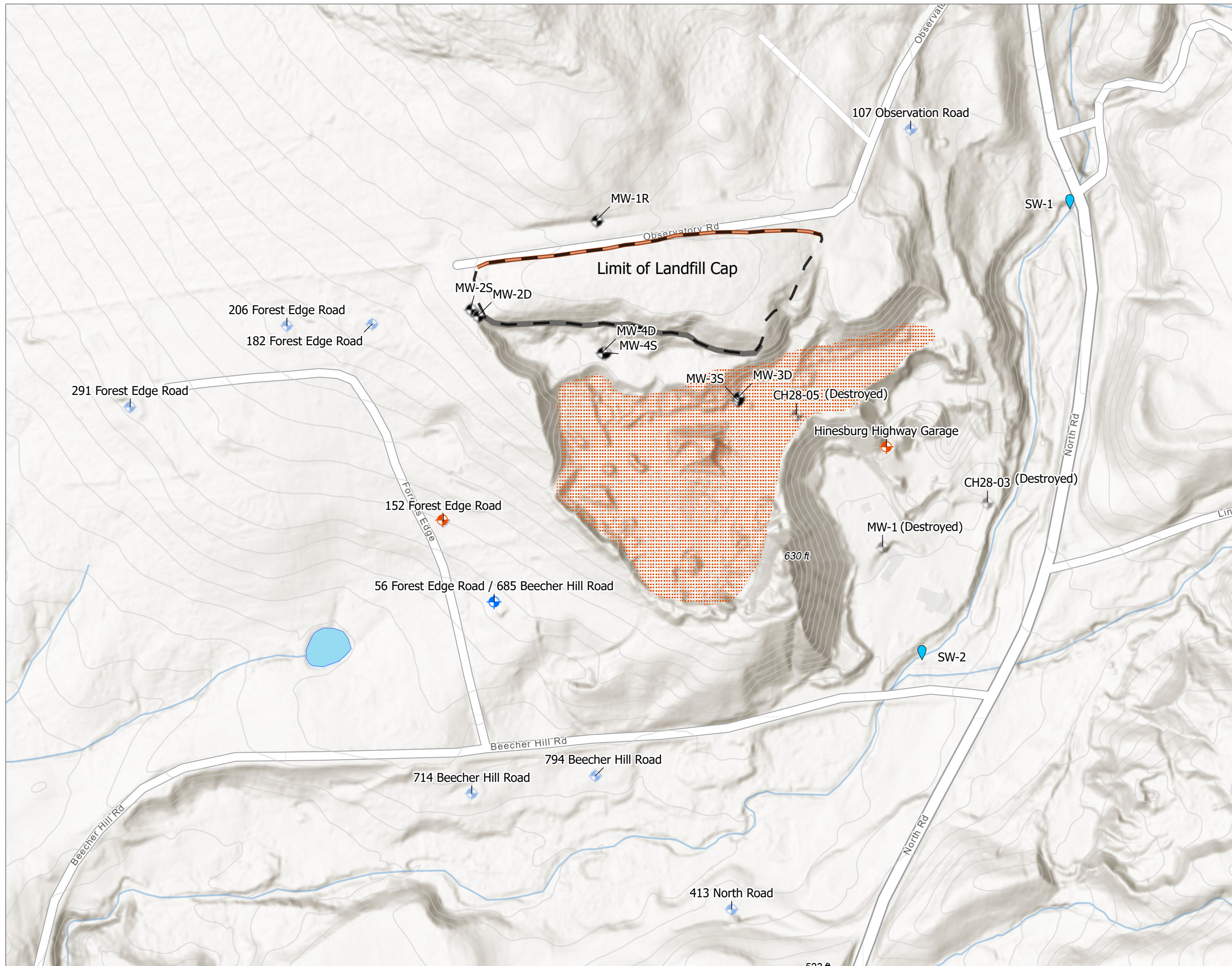
Figure 2: Vicinity Map

Hinesburg Landfill Fall 2022
Semi-Annual Monitoring Report

Prepared for Town of Hinesburg



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

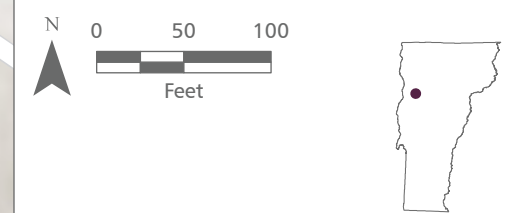
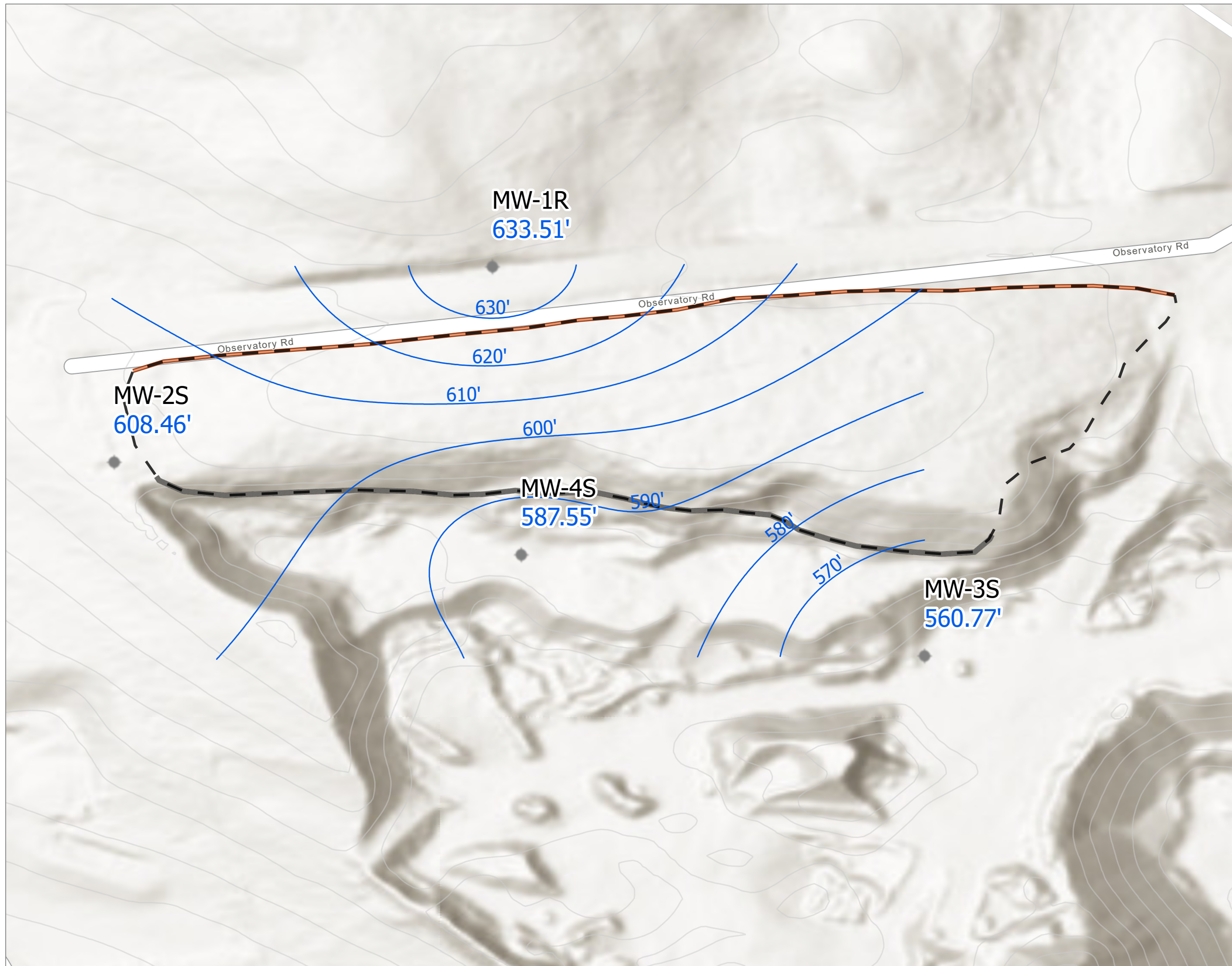
Path: O:\PROJ-21\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205 Hinesburg Landfill.aprx Figure 3 - Site Map Exported: 8/31/2022 4:36 PM by arice

Figure 3: Site Map with Post-Closure Monitoring Locations

Hinesburg Landfill Fall 2022
Semi-Annual Monitoring Report

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STONE ENVIRONMENTAL



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

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

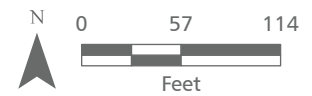
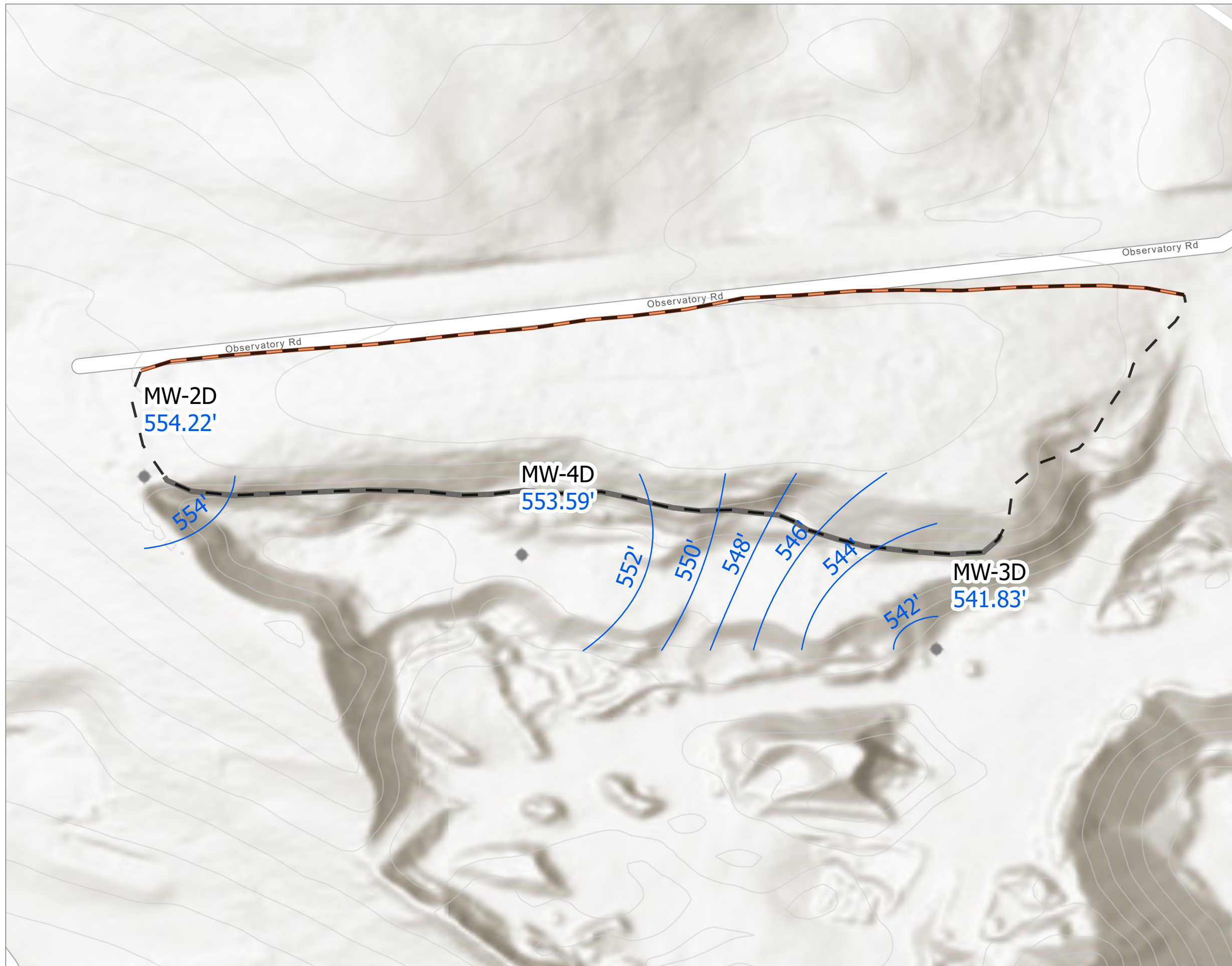
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 ShallowGW_Landscape_11x171 Exported: 1/26/2023 2:40

Figure 4: Potentiometric Surface in Overburden Groundwater

Hinesburg Landfill Fall 2022 Semi-Annual Monitoring Report

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STONE ENVIRONMENTAL



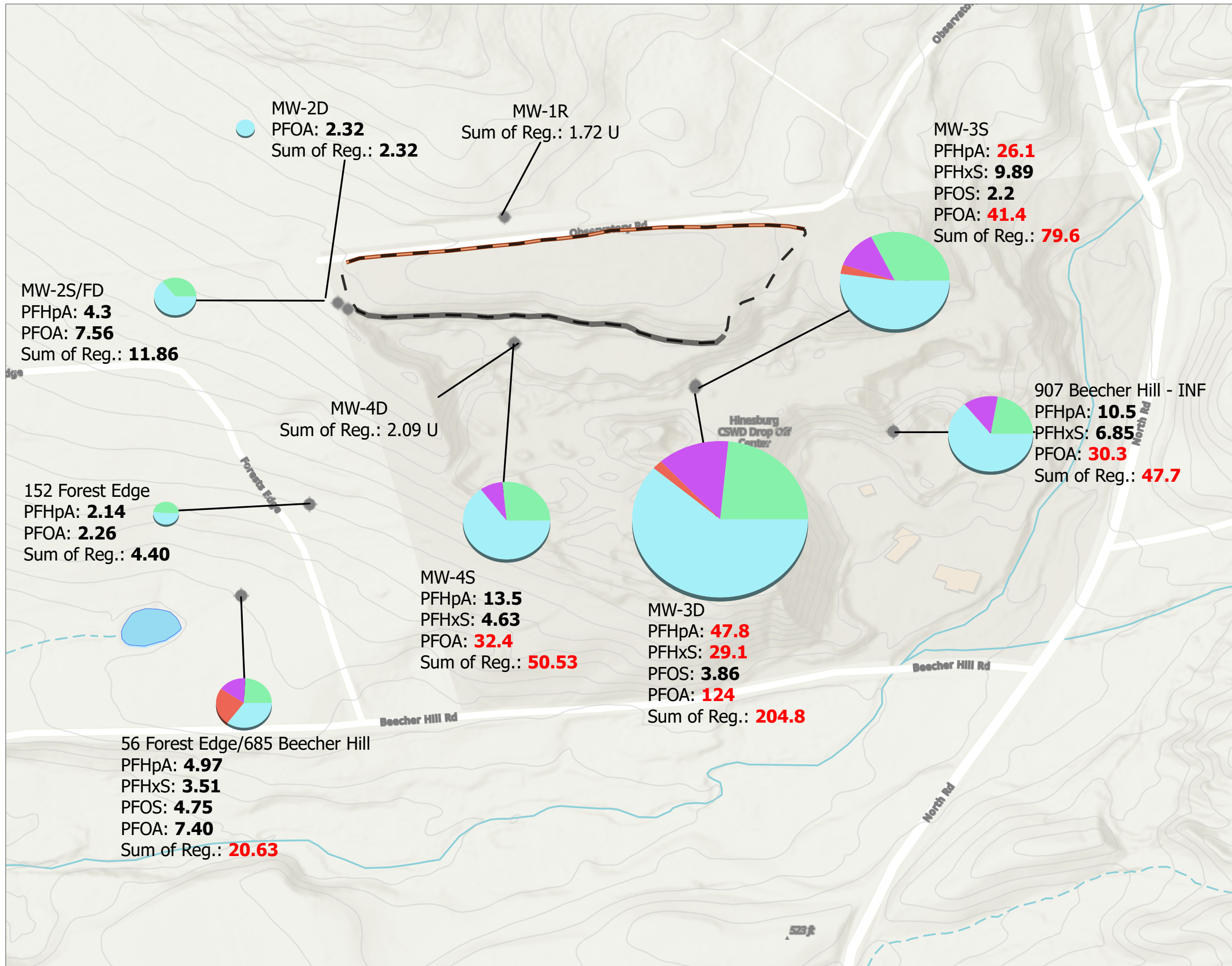
LEGEND

- ◆ Monitoring Well
- Groundwater 2 ft contour
- ⌈⌋ Approximate Limits of Landfill Cap
- Stone Apron
- Drainage Swale
- VT 10 ft Contour Lines
- Waterbody

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

Path: O:\PROJ-21\EAR\20211205 Town of Hinesburg
Landfill\GIS\20211205 Hinesburg
Landfill\20211205_HinesburgLF_3.0.aprx
DeepGW_Landscape_11x171 Exported: 1/26/2023 2:42

Figure 5:
Potentiometric Surface
in Bedrock Aquifer
 Hinesburg Landfill Fall 2022 Semi-
 Annual Monitoring Report
 Prepared For Town of Hinesburg



N 0 150 300 Feet

LEGEND

- Regulated PFAS Concentrations
 - PFHpA (Green)
 - PFHxS (Purple)
 - PFOS (Red)
 - PFOA (Cyan)
- Sum
 - 30
 - 12
 - 2.3
- Drinking Water (Grey circle)
- Monitoring Well (Black circle)
- Drinking Water with POET (Black circle with dot)
- Approximate Limits of Landfill Cap (Black dashed line)
- Stone Apron (Black solid line)
- Drainage Swale (Orange dashed line)
- VT 10 ft Contour Lines (Grey dashed line)
- Waterbody (Blue area)

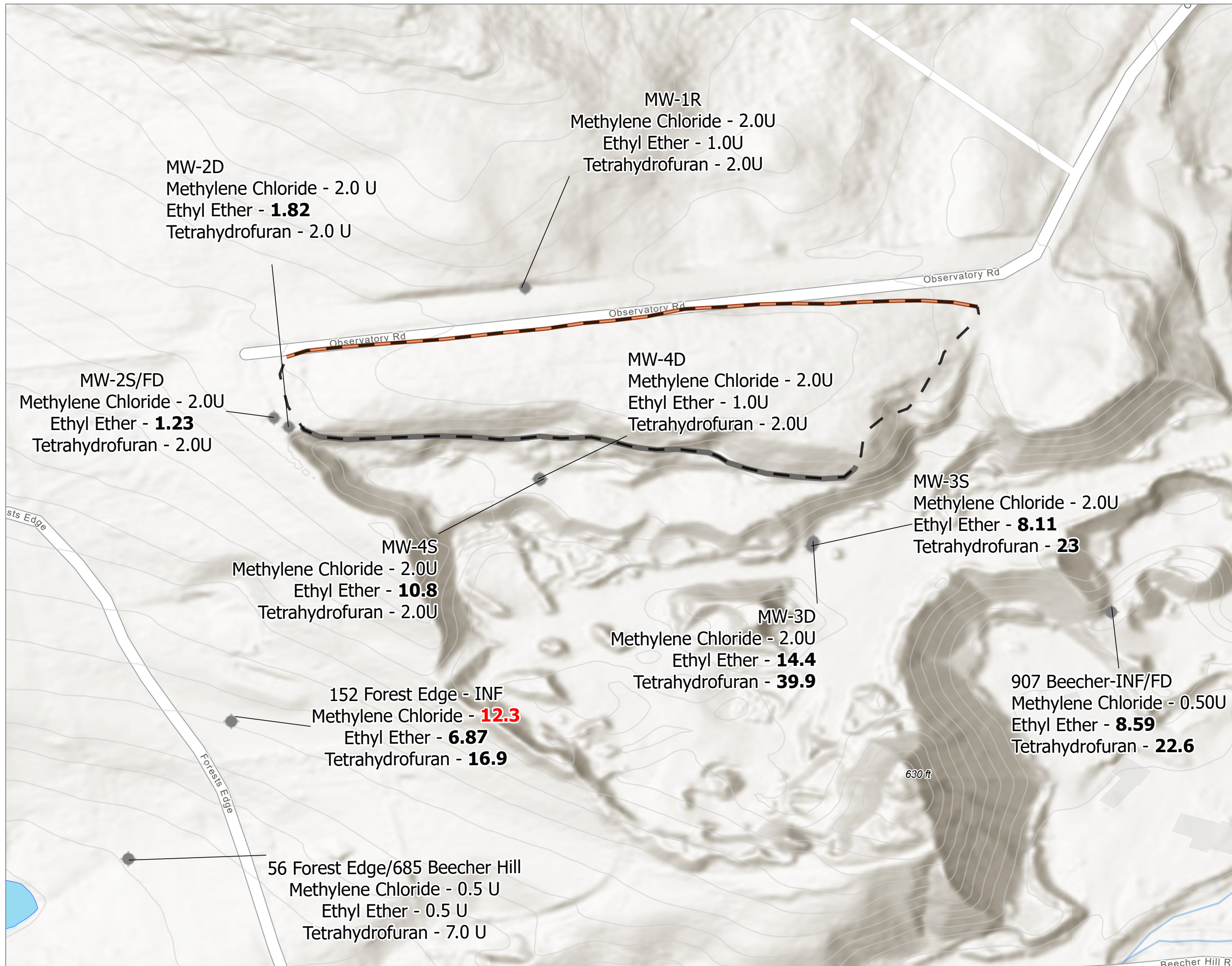
Notes:
 U - Analyte not detected; limit of quantitation listed
 Bold results indicate detections of the analyte
 Red results indicate an exceedance of the DWHA/VGES enforcement standard of 20 ng/L
 Only detections of the five regulated compounds are shown: PFHpA, PFHxS, PFNA, PFOS, PFOA

Source: Esri World Imagery, VCGI, Holt Gilmour survey December 29, 2021
 Path: O:\PROJ-21\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx
 PFAS_Landscape_11x17 Exported: 1/26/2023 2:35 PM by

Figure 6: PFAS Concentrations in Groundwater and Drinking Water

Hinesburg Landfill Fall 2022 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg



N 0 100 200 Feet

LEGEND

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

Notes:
 U - Analyte not detected; limit of quantitation listed
 Bold results indicate detections of the analyte
 Red results indicate and 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

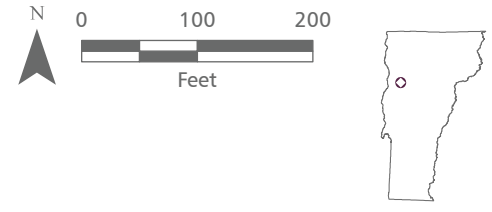
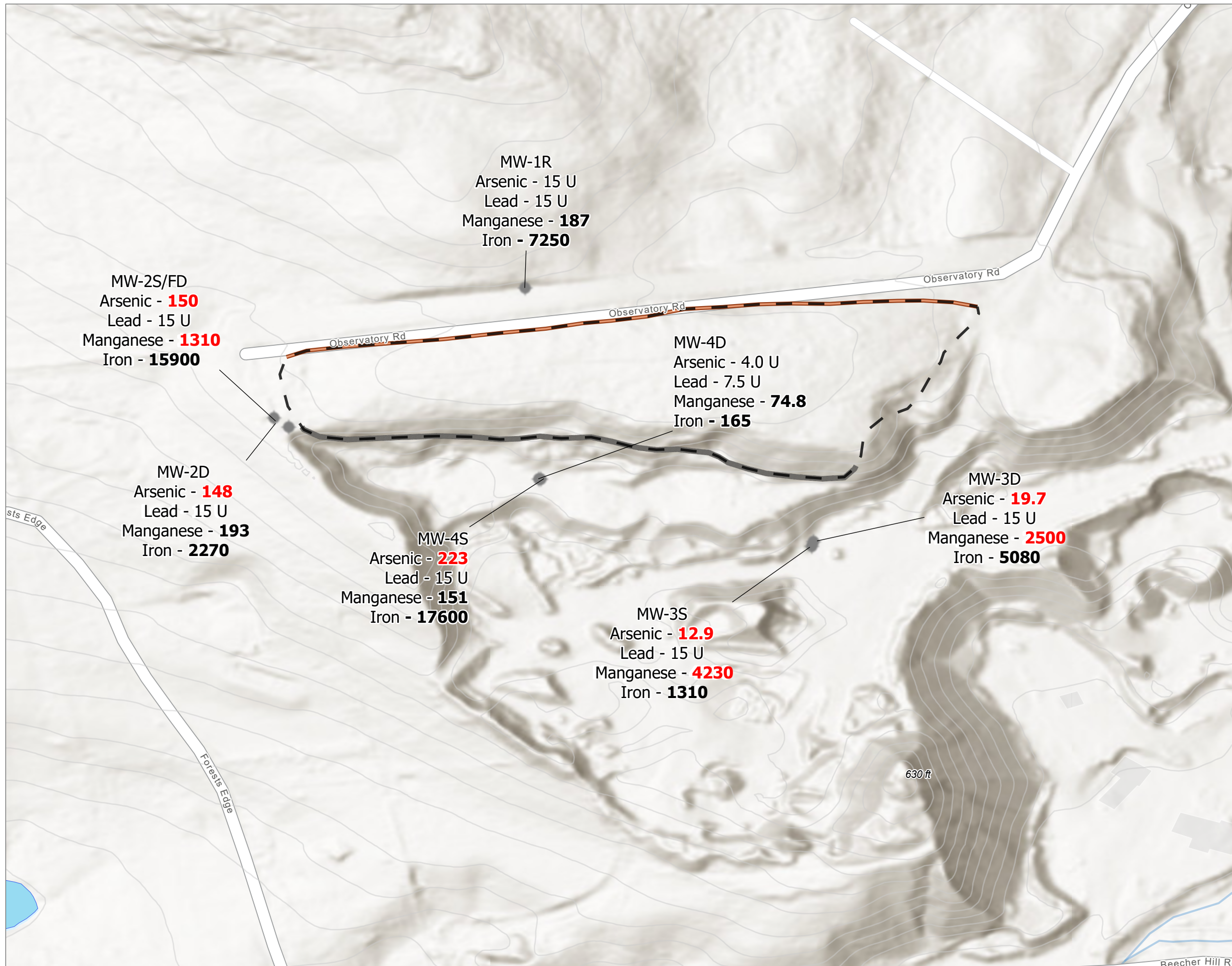
Path: O:\PROJ-21\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx
 VOCs_Landscape_11x17 Exported: 1/26/2023 2:37 PM by

Figure 7: VOC Concentrations in Groundwater and Drinking Water

Hinesburg Landfill Fall 2022 Semi-Annual Monitoring Report

Prepared For Town of Hinesburg

STONE ENVIRONMENTAL



LEGEND

- ◆ Monitoring Well
- ┌└ Approximate Limits of Landfill Cap
- Stone Apron
- Drainage Swale
- VT 10 ft Contour Lines
- Waterbody

Notes:
 U - Analyte not detected; limit of quantitation listed
 Bold results indicate a detection 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\YEAR\20211205 Town of Hinesburg Landfill\GIS\20211205 Hinesburg Landfill\20211205_HinesburgLF_3.0.aprx
 Stone_Landscape_11x17 Exported: 1/26/2023 2:39 PM by

Figure 8: Total Metal Concentrations in Groundwater

Hinesburg Landfill Fall 2022 Semi-Annual Monitoring Report

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Appendix B: Field Notes

Stone Environmental, Inc. Field Instrument Calibration Record

| | | |
|--|--|------------------------------|
| Project Name: <u>Hinesburg Landfill</u> | Date: <u>10-19-</u> | Sampler (Sig/Date): <u>e</u> |
| SEI Project Number: <u>20211205</u> | Task: <u>Low flow groundwater</u> | |
| Project Location: <u>Hinesburg, VT</u> | Checked By/Date: <u>EFC</u> | <u>10-19-2022</u> |
| Weather Conditions (AM): <u>Sunny, 33F</u> | Weather Conditions (PM): <u>Clear, 44F</u> | |

| MULTI-PARAMETER WATER QUALITY METER | | | | | | | |
|-------------------------------------|-------|----------------|-------------|---------------------------|------------------------|-------------|---------------------------|
| Meter Type: <u>556 MPS YSI</u> | | AM Calibration | | | Post Calibration Check | | |
| Model NO.: _____ | | Start Time | /End Time | | Start Time | /End Time | |
| Unit ID NO.: <u>035192</u> | | | | | | | |
| | Units | Standard Value | Meter Value | *Acceptance Criteria (AM) | Standard Value | Meter Value | *Acceptance Criteria (PM) |
| pH (4) | SU | 4 | 4.12 | ±0.1 pH Units | | | |
| pH (7) | SU | 7 | 7.03 | ±0.1 pH Units | 7 | 7.06 | ±0.3 pH Units |
| pH (10) | SU | 10 | 10 | ±0.1 pH Units | | | |
| ORP | mV | 220 | 222.6 | ±10 mV | 220 | 219.9 | ±10 mV |
| Specific Conductance | µs/cm | 336 | 345.0 | ±0.5% of Standard | 336 | 546.0 | ±5% of Standard |
| Dissolved Oxygen | % | 100% | 105.0 | ±2% of Standard | 100% | | ±0.5 mg/L of sat. val. |
| Temperature | °C | | 12.0 | | | 12.3 | |
| Baro. Press. | mmHg | | 740.2 | | | 741.0 | |

| TURBIDITY METER | | Meter Type: <u>Geotech turbidity meter</u> | Model NO.: _____ | Unit ID NO.: <u>6015</u> | | | |
|-----------------|-------|--|------------------|---|----------------|-------------|---|
| | Units | Standard Value | Meter Value | *Acceptance Criteria (AM) | Standard Value | Meter Value | *Acceptance Criteria (PM) |
| | NTU | NTU 20 | 19.6 | ±0.3 NTU of stan. Of 1.0 NTU or less. ±5% of standards >5 NTU | NTU 20 | 19.1 | ±0.3 NTU of stan. Of 1.0 NTU or less. ±5% of standards >5 NTU |
| | NTU | NTU 100 | 95 | | NTU 100 | 101 | |
| | NTU | NTU 800 | 791 | | NTU 800 | 909 | |
| | | | | | | | |

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

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

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

| MATERIALS RECORD | | Calibration Standard Lot # | Exp. Date |
|---|--|----------------------------------|--------------|
| Deionized/Distilled Water Source: _____ | | pH (4) <u>2GC933</u> | <u>03/24</u> |
| Trip Blank Source: _____ | | pH (7) <u>2GC169</u> | <u>03/24</u> |
| Sample Preservative Source: _____ | | pH (10) <u>2GC371</u> | <u>03/24</u> |
| Disposable Filter Type: _____ | | ORP <u>2GD638</u> | <u>01/23</u> |
| DO Calibration Fluids Source: _____ | | Spec. Conductivity <u>2GA625</u> | <u>01/23</u> |
| Other: _____ | | Turb. Stan. NTU 20 <u>35D</u> | <u>07/23</u> |
| | | Turb. Stan. NTU 100 <u>35D</u> | <u>07/23</u> |
| | | Turb. Stan. NTU 800 <u>35D</u> | <u>07/23</u> |
| | | PID Scan Gas _____ | |
| | | O ₂ LEL _____ | |
| | | Other _____ | |



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

Stone Environmental, Inc. Field Instrument Calibration Record

| | | |
|--|-----------------------------------|--------------------------------|
| Project Name: <u>Hinesburg LF</u> | Date: <u>10-19-</u> | Sampler (Sig/Date): <u>SLW</u> |
| SEI Project Number: _____ | Task: <u>Groundwater sampling</u> | |
| Project Location: <u>Hinesburg</u> | Checked By/Date: <u>SLW</u> | <u>10-19-2022</u> |
| Weather Conditions (AM): <u>Sunny 60</u> | Weather Conditions (PM): _____ | |

| MULTI-PARAMETER WATER QUALITY METER | | | | | | | |
|-------------------------------------|-------|----------------|-------------|---------------------------|------------------------|-------------|---------------------------|
| Meter Type: <u>YSI pro plus</u> | | AM Calibration | | | Post Calibration Check | | |
| Model NO.: _____ | | Start Time | /End Time | | Start Time | /End Time | |
| Unit ID NO.: <u>45102</u> | | | | | | | |
| | Units | Standard Value | Meter Value | *Acceptance Criteria (AM) | Standard Value | Meter Value | *Acceptance Criteria (PM) |
| pH (4) | SU | 4 | 3.99 | ±0.1 pH Units | | | |
| pH (7) | SU | 7 | 6.99 | ±0.1 pH Units | 7 | 7.10 | ±0.3 pH Units |
| pH (10) | SU | 10 | 10 | ±0.1 pH Units | | | |
| ORP | mV | 220 | 220.2 | ±10 mV | 220 | 224.0 | ±10 mV |
| Specific Conductance | µs/cm | 340 | 340.1 | ±0.5% of Standard | 340 | 367.1 | ±5% of Standard |
| Dissolved Oxygen | % | 100% | 101.3 | ±2% of Standard | 100% | 100.7 | ±0.5 mg/L of sat. val. |
| Temperature | °C | | 12.7 | | | 11.2 | |
| Baro. Press. | mmHg | | 759.9 | | | 760.6 | |

| TURBIDITY METER | | Meter Type: <u>Geotech turbidity meter</u> | Model NO.: _____ | Unit ID NO.: <u>7722</u> | | | |
|-----------------|-------|--|------------------|---------------------------|----------------|-------------|---------------------------|
| | Units | Standard Value | Meter Value | *Acceptance Criteria (AM) | Standard Value | Meter Value | *Acceptance Criteria (PM) |
| | NTU | NTU 20 | 20.0 | ±0.3 NTU of stan. Of | NTU 20 | 21.3 | ±0.3 NTU of stan. Of |
| | NTU | NTU 100 | 100 | 1.0 NTU or less. ±5% | NTU 100 | 102 | 1.0 NTU or less. ±5% |
| | NTU | NTU 800 | 798 | of standards >5 NTU | NTU 800 | 815 | of standards >5 NTU |

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

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

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

| MATERIALS RECORD | Calibration Standard Lot # | Exp. Date |
|---|----------------------------------|--------------|
| Deionized/Distilled Water Source: _____ | pH (4) <u>2GC933</u> | <u>03/24</u> |
| Trip Blank Source: _____ | pH (7) <u>2GC169</u> | <u>03/24</u> |
| Sample Preservative Source: _____ | pH (10) <u>2GC371</u> | <u>03/24</u> |
| Disposable Filter Type: _____ | ORP <u>2GD638</u> | <u>01/23</u> |
| DO Calibration Fluids Source: _____ | Spec. Conductivity <u>2GA625</u> | <u>01/23</u> |
| Other: _____ | Turb. Stan. NTU 20 <u>35D</u> | <u>07/23</u> |
| | Turb. Stan. NTU 100 <u>35D</u> | <u>07/23</u> |
| | Turb. Stan. NTU 800 <u>35D</u> | <u>07/23</u> |
| | PID Scan Gas _____ | |
| | O ₂ LEL _____ | |
| | Other _____ | |



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

Stone Environmental, Inc. Field Instrument Calibration Record

| | | |
|---|---|--------------------------------|
| Project Name: <u>Hinesburg LF</u> | Date: <u>10-20-</u> | Sampler (Sig/Date): <u>SLW</u> |
| SEI Project Number: <u>20211205</u> | Task: <u>Groundwater sampling</u> | |
| Project Location: <u>Hinesburg</u> | Checked By/Date: <u>SLW</u> | <u>10-20-2022</u> |
| Weather Conditions (AM): <u>Cloudy 50</u> | Weather Conditions (PM): <u>Cloudy 45</u> | |

| MULTI-PARAMETER WATER QUALITY METER | | | | | | | |
|-------------------------------------|-------|----------------|-------------|---------------------------|------------------------|-------------|---------------------------|
| Meter Type: <u>YSI</u> | | AM Calibration | | | Post Calibration Check | | |
| Model NO.: <u>556 MPS</u> | | Start Time | /End Time | | Start Time | /End Time | |
| Unit ID NO.: <u>035192</u> | | | | | | | |
| | Units | Standard Value | Meter Value | *Acceptance Criteria (AM) | Standard Value | Meter Value | *Acceptance Criteria (PM) |
| pH (4) | SU | 4 | 3.94 | ±0.1 pH Units | | | |
| pH (7) | SU | 7 | 6.99 | ±0.1 pH Units | 7 | 7.14 | ±0.3 pH Units |
| pH (10) | SU | 10 | 10 | ±0.1 pH Units | | | |
| ORP | mV | 220 | 225.5 | ±10 mV | 220 | 224.9 | ±10 mV |
| Specific Conductance | µs/cm | 1,061 | 1,060.0 | ±0.5% of Standard | 1,061 | 1,044.0 | ±5% of Standard |
| Dissolved Oxygen | % | 100% | 98.7 | ±2% of Standard | 100% | 98.4 | ±0.5 mg/L of sat. val. |
| Temperature | °C | | 9.9 | | | 9.7 | |
| Baro. Press. | mmHg | | 739.4 | | | 739.0 | |

| TURBIDITY METER | | | | | | | |
|-------------------|-------|------------------|-------------|---------------------------|--------------------|-------------|---------------------------|
| Meter Type: _____ | | Model NO.: _____ | | | Unit ID NO.: _____ | | |
| | Units | Standard Value | Meter Value | *Acceptance Criteria (AM) | Standard Value | Meter Value | *Acceptance Criteria (PM) |
| | NTU | | | ±0.3 NTU of stan. Of | | | ±0.3 NTU of stan. Of |
| | NTU | | | 1.0 NTU or less. ±5% | | | 1.0 NTU or less. ±5% |
| | NTU | | | 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) | 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>2GC933</u> | | <u>03/24</u> |
| Trip Blank Source: _____ | | pH (7) | <u>2GC169</u> | | <u>03/24</u> |
| Sample Preservative Source: _____ | | pH (10) | <u>2GD857</u> | | <u>04/24</u> |
| Disposable Filter Type: _____ | | ORP | <u>2GD638</u> | | <u>01/23</u> |
| DO Calibration Fluids Source: _____ | | Spec. Conductivity | <u>2GC675</u> | | <u>03/24</u> |
| 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.

Observation and Remarks

Site Information

| | |
|------------------------|-----------------|
| Project Name | Hinesburg LF |
| Project Number | 20221205 |
| Project Manager | Katrina Mattice |
| Location | Hinesburg VT |
| Date | 11-17-2022 |

Personnel On Site

| | |
|--------------------------------|----------------|
| Stone Personnel On Site | Sandra Walser |
| Time On Site | 10:01 (-5 GMT) |
| Time Off Site | 10:22 (-5 GMT) |

Owner / Sub-Contractor / Visitor On Site

Observation Entry

| | |
|-------------------|-------------------------|
| Weather | clear 35 |
| Objectives | Re-sample POET effluent |

Notes & Photo(s)

| | |
|-----------------|--------------------------------|
| Time | 10:12 (-5 GMT) |
| Notes | Bar faucet ran for 10 minutes. |
| Photo(s) | |

Notes & Photo(s)

| | |
|--------------|-------------------------------|
| Time | 10:19 (-5 GMT) |
| Notes | 152 Forest Edge-EFF collected |

Observation and Remarks

Photo(s)



Signature

Signature

SWH

Date

11-17-2022

OBSERVATIONS AND REMARKS

| | |
|---|--|
| Project Name/Description: Hinesburg LF |  STONE ENVIRONMENTAL 535 Stone Cutters Way / Montpelier / VT / 05602 / USA 802.229.4541 / info@stone-env.com / www.stone-env.com |
| SEI Project #: 19-125a | Client/Sponsor: Town of Hinesburg |

0950 arrive @ 152 Forest Edge Rd
purge tap water inspect PUE system
& discuss troubleshooting w/ Jason Turner

1007 collect sample 152 Forest Edge - EPA

call Culligan

1015 OKFSITE.

Discuss w/ Culligan after leaving site
suspicion only head tank was replaced
in October 2022. Culligan returned 12/8/22
& replaced lag.

Signed: K. Mather Date: 12/15/22

Appendix C: Tables

Table C-1
Groundwater PFAS Sample Analytical Results

| Sample ID | VGES | MW-1R | MW-2S | MW-2S-FD | MW-2D | MW-3S | MW-3D | RPD (MW-2S) |
|---------------------------------|-------------|------------|------------|------------|------------|------------|------------|-------------|
| Sample Date | CAS# | 11/11/2022 | 10/19/2022 | 10/19/2022 | 10/20/2022 | 10/19/2022 | 10/19/2022 | |
| | (ng/l) | Q | Q | Q | Q | Q | Q | Q |
| 4:2 Fluorotelomer sulfonic acid | 757124-72-4 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| 6:2 Fluorotelomer sulfonic acid | 27619-97-2 | NE 4.3 U | 4.55 U | 4.69 U | 4.68 U | 4.38 U | 4.61 | - |
| 8:2 Fluorotelomer sulfonic acid | 39108-34-4 | NE 2.58 U | 2.73 U | 2.81 U | 2.81 U | 2.63 U | 2.71 U | - |
| NEtFOSAA | 2991-50-6 | NE 2.58 U | 2.73 U | 2.81 U | 2.81 U | 2.63 U | 2.71 U | - |
| NMeFOSAA | 2355-31-9 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluorobutanesulfonic acid | 375-73-5 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 4.92 | 5.00 | - |
| Perfluorobutanoic acid | 375-22-4 | NE 4.3 U | 5.01 | 5.03 | 4.68 U | 18.5 | 26.4 | 0% |
| Perfluorodecanesulfonic acid | 335-77-3 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluorodecanoic acid | 335-76-2 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluorododecanoic acid | 307-55-1 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluoroheptanesulfonic acid | 375-92-8 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluoroheptanoic acid | 375-85-9 | 20 1.72 U | 4.03 | 4.3 | 1.87 U | 26.1 | 47.8 | 6% |
| Perfluorohexanesulfonic acid | 355-46-4 | 20 1.72 U | 1.82 U | 1.87 U | 1.87 U | 9.89 | 29.1 | - |
| Perfluorohexanoic acid | 307-24-4 | NE 1.72 U | 5.62 | 6.57 | 1.87 UB | 37.3 | 61.7 | 16% |
| Perfluorononanesulfonic acid | 68259-12-1 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluorononanoic acid | 375-95-1 | 20 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluorooctanesulfonamide | 754-91-6 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluorooctanesulfonic acid | 1763-23-1 | 20 1.72 U | 2.94 U | 1.87 U | 1.87 U | 2.2 I | 3.86 | - |
| Perfluorooctanoic acid | 335-67-1 | 20 1.72 U | 7.16 | 7.56 | 2.32 | 41.4 | 124 | 5% |
| Perfluoropentanesulfonic acid | 2706-91-4 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 3.48 | 4.91 | - |
| Perfluoropentanoic acid | 2706-90-3 | NE 1.72 U | 4.99 | 5.2 | 1.87 UB | 21.2 | 31.6 | 4% |
| Perfluorotetradecanoic acid | 376-06-7 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluorotridecanoic acid | 72629-94-8 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Perfluoroundecanoic acid | 2058-94-8 | NE 1.72 U | 1.82 U | 1.87 U | 1.87 U | 1.75 U | 1.81 U | - |
| Total Regulated PFAS | | 20 1.72 U | 11.19 | 11.86 | 2.32 | 79.6 | 204.8 | 6% |

Table C-1
Groundwater PFAS Sample Analytical Results

| Sample ID | VGES | MW-4S | MW-4D | EB-101922 | FRB-101922 | FRB-102022 | | | |
|---------------------------------|-------------|------------|--------------|------------|------------|------------|-------------|------------|---|
| Sample Date | CAS# | 10/19/2022 | Q | 10/19/2022 | Q | 10/19/2022 | Q | 10/20/2022 | Q |
| | (ng/l) | | | | | | | | |
| 4:2 Fluorotelomer sulfonic acid | 757124-72-4 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| 6:2 Fluorotelomer sulfonic acid | 27619-97-2 | NE | 4.62 U | 5.23 U | 4.57 U | 4.97 U | 5.05 U | | |
| 8:2 Fluorotelomer sulfonic acid | 39108-34-4 | NE | 2.77 U | 3.14 U | 2.74 U | 2.98 U | 3.03 U | | |
| NEtFOSAA | 2991-50-6 | NE | 2.77 U | 3.14 U | 2.74 U | 2.98 U | 3.03 U | | |
| NMeFOSAA | 2355-31-9 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorobutanesulfonic acid | 375-73-5 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorobutanoic acid | 375-22-4 | NE | 10 | 5.23 U | 4.57 U | 4.97 U | 5.05 U | | |
| Perfluorodecanesulfonic acid | 335-77-3 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorodecanoic acid | 335-76-2 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorododecanoic acid | 307-55-1 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluoroheptanesulfonic acid | 375-92-8 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluoroheptanoic acid | 375-85-9 | 20 | 13.5 | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorohexanesulfonic acid | 355-46-4 | 20 | 4.63 | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorohexanoic acid | 307-24-4 | NE | 17 | 2.09 U | 1.83 U | 1.99 U | 13.9 | | |
| Perfluorononanesulfonic acid | 68259-12-1 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorononanoic acid | 375-95-1 | 20 | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorooctanesulfonamide | 754-91-6 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorooctanesulfonic acid | 1763-23-1 | 20 | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorooctanoic acid | 335-67-1 | 20 | 32.4 | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluoropentanesulfonic acid | 2706-91-4 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluoropentanoic acid | 2706-90-3 | NE | 7.15 | 2.09 U | 1.83 U | 1.99 U | 12 | | |
| Perfluorotetradecanoic acid | 376-06-7 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluorotridecanoic acid | 72629-94-8 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Perfluoroundecanoic acid | 2058-94-8 | NE | 1.85 U | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |
| Total Regulated PFAS | | 20 | 50.53 | 2.09 U | 1.83 U | 1.99 U | 2.02 U | | |

Key:

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

Bold results indicate detections of the analyte

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

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

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

B- Compound detected in blank sample.

Table C-2
Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

| Sample ID | VGES | MW-1R | MW-2S | MW-2S-FD | MW-2D | MW-3S | RPD (MW-2S) | |
|--|-------------|------------|------------|------------|------------|------------|-------------|----|
| Sample Date | CAS# | 11/11/2022 | 10/19/2022 | 10/19/2022 | 10/20/2022 | 10/19/2022 | | |
| | (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 U | - |
| 1,1,1-Trichloroethane | 71-55-6 | 200 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,1,2-Tetrachloroethane | 79-34-5 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | - |
| 1,1,2-Trichloroethane | 79-00-5 | 5 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 76-13-1 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,1-Dichloroethane | 75-34-3 | 70 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,1-Dichloroethene | 75-35-4 | 7 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,1-Dichloropropene | 563-58-6 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,2,3-Trichlorobenzene | 87-61-6 | 0.9 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,2,3-Trichloropropane | 96-18-4 | 0.02 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,2,4-Trichlorobenzene | 120-82-1 | 70 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,2,4-Trimethylbenzene | 95-63-6 | 23 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,2-Dibromo-3-Chloropropane | 96-12-8 | 0.2 | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 0.05 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | - |
| 1,2-Dichlorobenzene | 95-50-1 | 600 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,2-Dichloroethane | 107-06-2 | 5 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,2-Dichloropropane | 78-87-5 | 5 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,3,5-Trichlorobenzene | 108-70-3 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,3,5-Trimethylbenzene | 108-67-8 | 23 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,3-Dichlorobenzene | 541-73-1 | 600 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,3-Dichloropropane | 142-28-9 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 1,4-Dichlorobenzene | 106-46-7 | 75 | 1 U | 1.01 | 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 (MEK) | 78-93-3 | 511 | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| 2-Chlorotoluene | 95-49-8 | 100 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 2-Hexanone (MBK) | 591-78-6 | NE | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| 4-Chlorotoluene | 106-43-4 | 100 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 4-Isopropyltoluene | 99-87-6 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | NE | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| Acetone | 67-64-1 | 950 | 10 U | 13.7 | 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 | 1.5 | 1.5 | 1 U | 1 U | - |
| Bromobenzene | 108-86-1 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Bromochloromethane | 74-97-5 | 8 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Bromodichloromethane | 75-27-4 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | - |
| Bromofrom | 75-25-2 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Bromomethane | 74-83-9 | 5 | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| 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 | 1.78 | - |
| Chloroethane | 75-00-3 | NE | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| Chloroform | 67-66-3 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Chloromethane | 74-87-3 | NE | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| cis-1,2-Dichloroethene | 156-59-2 | 70 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| cis-1,3-Dichloropropene | 10061-01-5 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | - |
| Dibromochloromethane | 124-48-1 | NE | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | - |
| Dibromomethane | 74-95-3 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Dichlorodifluoromethane (Freon 12) | 75-71-8 | NE | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| di-Isopropyl ether | 108-20-3 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Ethanol | 64-17-5 | NE | 200 U | 200 U | 200 U | 200 U | 200 U | - |
| Ethyl ether | 60-29-7 | NE | 1 U | 1.23 | 1.21 | 1.82 | 8.11 | 2% |
| Ethyl tert-butyl ether | 637-92-3 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Ethylbenzene | 100-41-4 | 700 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Hexachlorobutadiene | 87-68-3 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Isopropylbenzene | 98-82-8 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Methyl tert-butyl ether | 1634-04-4 | 11 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Methylene Chloride | 75-09-2 | 5 | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| m-Xylene & p-Xylene | 179601-23-1 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Naphthalene | 91-20-3 | 0.5 | 2 U | 2 U | 2 U | 2 U | 2 U | - |
| n-Butylbenzene | 104-51-8 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| N-Propylbenzene | 103-65-1 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| o-Xylene | 95-47-6 | 10000 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| sec-Butylbenzene | 135-98-8 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Styrene | 100-42-5 | 100 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Tert-amyl methyl ether | 994-05-8 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| tert-Butanol | 75-65-0 | NE | 10 U | 10 U | 10 U | 10 U | 10 U | - |
| tert-Butylbenzene | 98-06-6 | NE | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Tetrachloroethene | 127-18-4 | 5 | 1 U | 1 U | 1 U | 1 U | 1 U | - |
| Tetrahydrofuran | 109-99-9 | NE | 2 U | 2 U | 2 U | 2 U | 23 | - |
| 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-Dichloro-2-butene | 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 | - |
| Trichlorofluoromethane (Freon 11) | 75-69-4 | NE | 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 | - |

Table C-2
Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

| Sample ID | CAS# | VGES (µg/l) | MW-3D | | MW-4S | | MW-4D | | Trip Blank | |
|--|-------------|----------------|------------|---|------------|---|------------|---|------------|---|
| | | | 10/19/2022 | Q | 10/19/2022 | Q | 10/19/2022 | Q | 10/19/2022 | 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 | |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | 76-13-1 | NE | 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-Dibromoethane (EDB) | 106-93-4 | 0.05 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,2-Dichlorobenzene | 95-50-1 | 600 | 1 U | | 1 U | | 1 U | | 1 U | |
| 1,2-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 (MEK) | 78-93-3 | 511 | 2 U | | 2 U | | 2 U | | 2 U | |
| 2-Chlorotoluene | 95-49-8 | 100 | 1 U | | 1 U | | 1 U | | 1 U | |
| 2-Hexanone (MBK) | 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 | 99-87-6 | NE | 1 U | | 1 U | | 1 U | | 1 U | |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | NE | 2 U | | 2 U | | 2 U | | 2 U | |
| 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 | 1.56 | | 3.37 | | 1 U | | 1 U | |
| Bromobenzene | 108-86-1 | NE | 1 U | | 1 U | | 1 U | | 1 U | |
| Bromochloromethane | 74-97-5 | 8 | 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 | |
| Bromofom | 75-25-2 | NE | 1 U | | 1 U | | 1 U | | 1 U | |
| Bromomethane | 74-83-9 | 5 | 2 U | | 2 U | | 2 U | | 2 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 | |
| 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 | |
| Chloromethane | 74-87-3 | NE | 2 U | | 2 U | | 2 U | | 2 U | |
| cis-1,2-Dichloroethene | 156-59-2 | 70 | 1 U | | 1.12 | | 1 U | | 1 U | |
| cis-1,3-Dichloropropene | 10061-01-5 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Dibromochloromethane | 124-48-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Dibromomethane | 74-95-3 | NE | 1 U | | 1 U | | 1 U | | 1 U | |
| Dichlorodifluoromethane (Freon 12) | 75-71-8 | NE | 2 U | | 2 U | | 4.48 | | 2 U | |
| di-Isopropyl ether | 108-20-3 | 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 | 14.4 | | 10.8 | | 1 U | | 1 U | |
| Ethyl tert-butyl ether | 637-92-3 | NE | 1 U | | 1 U | | 1 U | | 1 U | |
| Ethylbenzene | 100-41-4 | 700 | 1 U | | 1 U | | 1 U | | 1 U | |
| Hexachlorobutadiene | 87-68-3 | NE | 1 U | | 1 U | | 1 U | | 1 U | |
| Isopropylbenzene | 98-82-8 | NE | 1 U | | 1 U | | 1 U | | 1 U | |
| Methyl tert-butyl ether | 1634-04-4 | 11 | 1.12 | | 1 U | | 1 U | | 1 U | |
| Methylene Chloride | 75-09-2 | 5 | 2 U | | 2 U | | 2 U | | 2 U | |
| m-Xylene & p-Xylene | 179601-23-1 | NE | 1 U | | 1 U | | 1 U | | 1 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 | 135-98-8 | 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-Butanol | 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 | |
| Tetrachloroethane | 127-18-4 | 5 | 1 U | | 1 U | | 1 U | | 1 U | |
| Tetrahydrofuran | 109-99-9 | NE | 39.9 | | 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-Dichloro-2-butene | 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 | |
| Trichlorofluoromethane (Freon 11) | 75-69-4 | NE | 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 residential enforcement standard(s)
 Italicized results indicate an exceedance of the non-residential enforcement standard(s)
 NE - screening level not established
 Q - laboratory result qualifier
 U - Analyte not detected; limit of quantitation listed

Table C-3
Groundwater METALS Sample Analytical Results

| Sample ID | VGES | MW-1R | MW-2S | MW-2S-FD | MW-2D | MW-3S | MW-3D | RPD (MW-2S) | |
|-------------|-----------|------------|------------|------------|------------|------------|------------|-------------|----|
| Sample Date | | 11/11/2022 | 10/19/2022 | 10/19/2022 | 10/20/2022 | 10/19/2022 | 10/19/2022 | | |
| | (µg/l) | | | | | | | | |
| Arsenic | 7440-38-2 | 10 | 15 U | 150 | 148 | 14.9 | 12.9 | 19.7 | 1% |
| Cadmium | 7440-43-9 | 5 | 4 U | 5 U | 5 U | 5 U | 5 U | 5 U | - |
| Chromium | 7440-47-3 | 100 | 14.8 | 10 U | 10 U | 10 U | 10 U | 10 U | - |
| Copper | 7440-50-8 | 1300 | 25 U | 10 U | 10 U | 10 U | 14.2 | 10 U | - |
| Iron | 7439-89-6 | NE | 7250 | 15900 | 15900 | 2270 | 1310 | 5080 | 0% |
| Lead | 7439-92-1 | 15 | 10 U | 15 U | 15 U | 15 U | 15 U | 15 U | - |
| Manganese | 7439-96-5 | 300 | 187 | 1310 | 1260 | 193 | 4230 | 2500 | 4% |
| Nickel | 7440-02-0 | 100 | 40 U | 18.4 | 19.8 | 10 U | 13.7 | 40.2 | 7% |
| Sodium | 7440-23-5 | NE | 5000 U | 4180 | 4020 | 8020 | 29400 | 79600 | 4% |
| Zinc | 7440-66-6 | NE | 30 U | 50 U | 50 U | 50 U | 50 U | 50 U | - |
| Mercury | 7439-97-6 | 2 | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | 0.2 U | - |

| Sample ID | VGES | MW-4S | MW-4D | |
|-------------|-----------|------------|------------|-------|
| Sample Date | CAS# | 10/19/2022 | 10/19/2022 | |
| | (µg/l) | | | |
| Arsenic | 7440-38-2 | 10 | 223 | 4 U |
| Cadmium | 7440-43-9 | 5 | 5 U | 2.5 U |
| Chromium | 7440-47-3 | 100 | 10 U | 5 U |
| Copper | 7440-50-8 | 1300 | 10 U | 5 U |
| Iron | 7439-89-6 | NE | 17600 | 165 |
| Lead | 7439-92-1 | 15 | 15 U | 7.5 U |
| Manganese | 7439-96-5 | 300 | 151 | 74.8 |
| Nickel | 7440-02-0 | 100 | 45.9 | 5 U |
| Sodium | 7440-23-5 | NE | 20300 | 7490 |
| Zinc | 7440-66-6 | NE | 50 U | 25 U |
| Mercury | 7439-97-6 | 2 | 0.2 U | 0.2 U |

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

Table C-4
Groundwater WET CHEMISTRY Sample Analytical Results

| SampleID | | VGES | MW-2D | | MW-2S | | MW-2S-FD | | MW-3D | | MW-3S | | MW-4D | |
|------------------------|------------|------|-------------|---|------------|---|------------|---|-------------|---|------------|---|------------|---|
| Sample Date | CAS# | | 10/20/2022 | Q | 10/19/2022 | Q | 10/19/2022 | Q | 10/19/2022 | Q | 10/19/2022 | Q | 10/19/2022 | Q |
| | | mg/L | | | | | | | | | | | | |
| Chloride | 16887-00-6 | NE | 7.5 U | | 7.5 U | | 7.5 U | | 48.9 | | 35 | | 7.5 U | |
| Chemical Oxygen Demand | COD | NE | 75 U | | 75 U | | 75 U | | 75 U | | 75 U | | 75 U | |
| Sample ID | | VGES | MW-4S | | MW-1R | | | | | | | | | |
| Sample Date | CAS# | | 10/19/2022 | Q | 11/11/2022 | Q | | | | | | | | |
| | | mg/L | | | | | | | | | | | | |
| Chloride | 16887-00-6 | NE | 14.6 | | 7.5 U | | | | | | | | | |
| Chemical Oxygen Demand | COD | NE | 75 U | | 75 U | | | | | | | | | |

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

Table C-5
Groundwater PFAS Sample Analytical Results

| SampleID | | VGES/D WHA | 152 Forest Edge-INF | | 152 Forest Edge-MID | | 152 Forest Edge-EFF | | 56 Forest Edge/685 Beecher Hill | |
|------------------------------|------------|---------------|------------------------|---|------------------------|---|------------------------|---|---------------------------------------|---|
| Sample Date | CAS# | | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 | Q |
| | | (ng/l) | | | | | | | | |
| NEtFOSAA | 2991-50-6 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| NMeFOSAA | 2355-31-9 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| Perfluorobutanesulfonic acid | 375-73-5 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.96 | |
| Perfluorodecanoic acid | 335-76-2 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| Perfluorododecanoic acid | 307-55-1 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| Perfluoroheptanoic acid | 375-85-9 | 20 | 2.14 | | 1.85 | U | 1.86 | U | 4.97 | |
| Perfluorohexanesulfonic acid | 355-46-4 | 20 | 1.77 | U | 1.85 | U | 1.86 | U | 3.51 | |
| Perfluorohexanoic acid | 307-24-4 | NE | 3.95 | | 1.85 | U | 1.86 | U | 3.99 | |
| Perfluorononanoic acid | 375-95-1 | 20 | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| Perfluorooctanesulfonic acid | 1763-23-1 | 20 | 1.77 | U | 1.85 | U | 1.86 | U | 4.75 | |
| Perfluorooctanoic acid | 335-67-1 | 20 | 2.26 | | 1.85 | U | 1.86 | U | 7.40 | |
| Perfluorotetradecanoic acid | 376-06-7 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| Perfluorotridecanoic acid | 72629-94-8 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| Perfluoroundecanoic acid | 2058-94-8 | NE | 1.77 | U | 1.85 | U | 1.86 | U | 1.89 | U |
| Total Regulated PFAS | | 20 | 4.40 | | 1.85 | U | 1.86 | U | 20.63 | |

| Sample ID | | VGES/D WHA | 907 Beecher- INF | | 907 Beecher Hill-INF-FD | | 907 Beecher Hill-MID | | 907 Beecher Hill-EFF | | RPD (907 Beecher Hill- INF) |
|------------------------------|------------|---------------|---------------------|---|----------------------------|---|-------------------------|---|-------------------------|---|-----------------------------------|
| Sample Date | CAS# | | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 | Q | |
| | | (ng/l) | | | | | | | | | |
| NEtFOSAA | 2991-50-6 | NE | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| NMeFOSAA | 2355-31-9 | NE | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Perfluorobutanesulfonic acid | 375-73-5 | NE | 2.39 | | 2.44 | | 1.86 | U | 1.93 | U | 2% |
| Perfluorodecanoic acid | 335-76-2 | NE | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Perfluorododecanoic acid | 307-55-1 | NE | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Perfluoroheptanoic acid | 375-85-9 | 20 | 10.5 | | 9.68 | | 1.86 | U | 1.93 | U | 8% |
| Perfluorohexanesulfonic acid | 355-46-4 | 20 | 6.65 | | 6.85 | | 1.86 | U | 1.93 | U | 3% |
| Perfluorohexanoic acid | 307-24-4 | NE | 16.5 | | 15.1 | | 1.86 | U | 1.93 | U | 9% |
| Perfluorononanoic acid | 375-95-1 | 20 | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Perfluorooctanesulfonic acid | 1763-23-1 | 20 | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Perfluorooctanoic acid | 335-67-1 | 20 | 30.3 | | 27.8 | | 1.86 | U | 1.93 | U | 9% |
| Perfluorotetradecanoic acid | 376-06-7 | NE | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Perfluorotridecanoic acid | 72629-94-8 | NE | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Perfluoroundecanoic acid | 2058-94-8 | NE | 2.02 | U | 1.9 | U | 1.86 | U | 1.93 | U | - |
| Total Regulated PFAS | | 20 | 47.5 | | 44.3 | | 1.86 | U | 1.93 | U | 7% |

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

Table C-6
Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

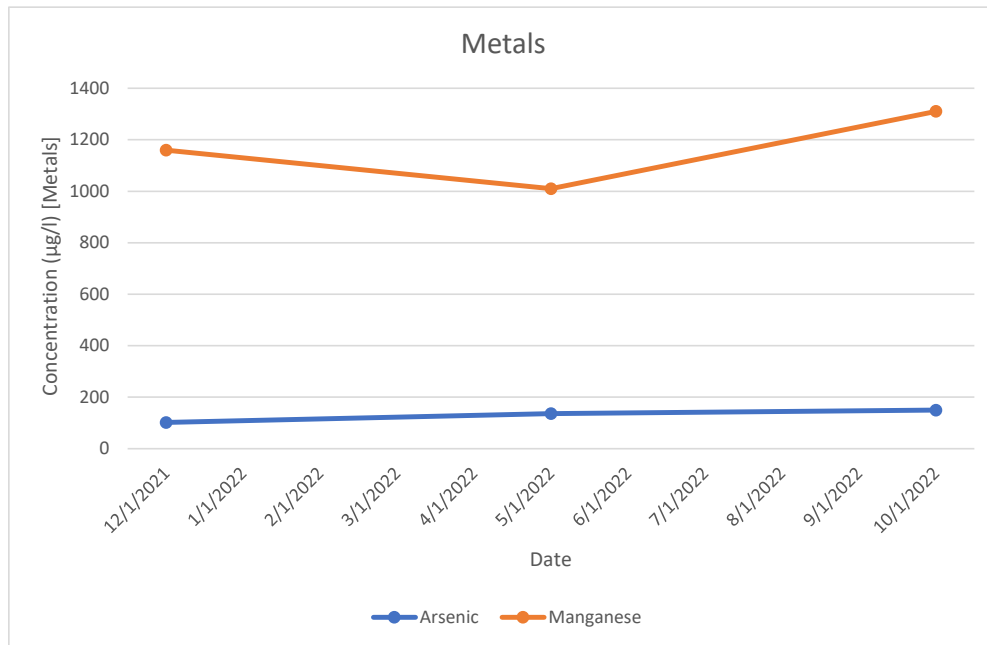
| SampleID Sample Date | CAS# | VGES/ DWAH (µg/l) | 152 Forest Edge-INF | | 152 Forest Edge-MID | | 152 Forest Edge-EFF | | 907 Beecher- INF | | 907 Beecher Hill-INF-FD | | RPD (907 Beecher Hill- INF) |
|-----------------------------|-------------|-------------------------|------------------------|---|------------------------|---|------------------------|---|---------------------|---|----------------------------|---|-----------------------------------|
| | | | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 | Q | 10/20/2022 |
| 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-Tetrachloroethane | 79-34-5 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,1,2-Trichloroethane | 79-00-5 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,1-Dichloroethane | 75-34-3 | 70 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,1-Dichloroethene | 75-35-4 | 7 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,1-Dichloropropene | 563-58-6 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2,3-Trichlorobenzene | 87-61-6 | 0.9 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2,3-Trichloropropane | 96-18-4 | 0.02 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2,4-Trichlorobenzene | 120-82-1 | 70 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2,4-Trimethylbenzene | 95-63-6 | 23 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2-Dibromo-3-Chloropropane | 96-12-8 | 0.2 | 1 U | | 1 U | | 1 U | | 1 U | | 1 U | | - |
| 1,2-Dibromoethane | 106-93-4 | 0.05 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2-Dichlorobenzene | 95-50-1 | 600 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2-Dichloroethane | 107-06-2 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,2-Dichloropropane | 78-87-5 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,3,5-Trimethylbenzene | 108-67-8 | 23 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,3-Dichlorobenzene | 541-73-1 | 600 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,3-Dichloropropane | 142-28-9 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 1,4-Dichlorobenzene | 106-46-7 | 75 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 2,2-Dichloropropane | 594-20-7 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 2-Butanone | 78-93-3 | 511 | 5 U | | 5 U | | 5 U | | 5 U | | 5 U | | - |
| 2-Chlorotoluene | 95-49-8 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 2-Hexanone | 591-78-6 | NE | 5 U | | 5 U | | 5 U | | 5 U | | 5 U | | - |
| 4-Chlorotoluene | 106-43-4 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| 4-Methyl-2-pentanone | 108-10-1 | NE | 5 U | | 5 U | | 5 U | | 5 U | | 5 U | | - |
| Acetone | 67-64-1 | 950 | 10 U | | 10 U | | 10 U | | 10 U | | 10 U | | - |
| Acrylonitrile | 107-13-1 | NE | 10 U | | 10 U | | 10 U | | 10 U | | 10 U | | - |
| Benzene | 71-43-2 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Bromobenzene | 108-86-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Bromochloromethane | 74-97-5 | 8 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Bromodichloromethane | 75-27-4 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Bromoform | 75-25-2 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Bromomethane | 74-83-9 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Carbon disulfide | 75-15-0 | NE | 2 U | | 2 U | | 2 U | | 2 U | | 2 U | | - |
| Carbon tetrachloride | 56-23-5 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Chlorobenzene | 108-90-7 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Chloroethane | 75-00-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Chloroform | 67-66-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Chloromethane | 74-87-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| cis-1,2-Dichloroethene | 156-59-2 | 70 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| cis-1,3-Dichloropropene | 10061-01-5 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Dibromochloromethane | 124-48-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Dibromomethane | 74-95-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Dichlorodifluoromethane | 75-71-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 3.16 | | 3.17 | | 0% |
| di-Isopropyl ether | 108-20-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Ethyl ether | 60-29-7 | NE | 6.87 | | 0.5 U | | 0.5 U | | 8.52 | | 8.59 | | 1% |
| Ethyl t-butyl ether | 637-92-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Ethylbenzene | 100-41-4 | 700 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Freon 113 | 76-13-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Hexachlorobutadiene | 87-68-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Isopropylbenzene | 98-82-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| m&p-Xylene | 179601-23-1 | NE | 1 U | | 1 U | | 1 U | | 1 U | | 1 U | | - |
| Methyl tertiary butyl ether | 1634-04-4 | 11 | 0.5 U | | 0.5 U | | 0.5 U | | 0.958 | | 1.02 | | 6% |
| Methylene Chloride | 75-09-2 | 5 | 12.3 | | 0.5 U | | 11.8 | | 0.5 U | | 0.5 U | | - |
| Naphthalene | 91-20-3 | 0.5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| n-Butylbenzene | 104-51-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| N-Propylbenzene | 103-65-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| o-Xylene | 95-47-6 | 10000 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| p-Isopropyltoluene | 99-87-6 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| sec-Butylbenzene | 135-98-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Styrene | 100-42-5 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| t-Amyl methyl ether | 994-05-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| t-Butyl alcohol | 75-65-0 | NE | 25 U | | 25 U | | 25 U | | 25 U | | 25 U | | - |
| tert-Butylbenzene | 98-06-6 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Tetrachloroethene | 127-18-4 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Tetrahydrofuran | 109-99-9 | NE | 16.9 | | 7 U | | 7.34 | | 22 | | 22.6 | | 3% |
| Toluene | 108-88-3 | 1000 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Total Trimethylbenzene | 25551-13-7 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Total Xylene | 1330-20-7 | 10000 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| trans-1,2-Dichloroethene | 156-60-5 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| trans-1,3-Dichloropropene | 10061-02-6 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Trichloroethene | 79-01-6 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Trichlorofluoromethane | 75-69-4 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |
| Vinyl chloride | 75-01-4 | 2 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | - |

Table C-6
Groundwater VOLATILE ORGANIC COMPOUNDS Sample Analytical Results

| Sample ID | Sample Date | CAS# | VGES/ DWHA (µg/l) | 907 Beecher HIII-MID 10/20/2022 | Q | 907 Beecher HIII-EFF 10/20/2022 | Q | 56 Forest Edge/685 Beecher Hill 10/20/2022 | Q | 152 Forest Edge-EFF 11/17/2022 | Q | 152 Forest Edge-EFF 12/15/2022 | 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-Dibromoethane | | 106-93-4 | 0.05 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,2-Dichlorobenzene | | 95-50-1 | 600 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,2-Dichloroethane | | 107-06-2 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,2-Dichloropropane | | 78-87-5 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,3,5-Trimethylbenzene | | 108-67-8 | 23 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,3-Dichlorobenzene | | 541-73-1 | 600 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,3-Dichloropropane | | 142-28-9 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 1,4-Dichlorobenzene | | 106-46-7 | 75 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 2,2-Dichloropropane | | 594-20-7 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 2-Butanone | | 78-93-3 | 511 | 5 U | | 5 U | | 5 U | | 5 U | | 5 U | |
| 2-Chlorotoluene | | 95-49-8 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 2-Hexanone | | 591-78-6 | NE | 5 U | | 5 U | | 5 U | | 5 U | | 5 U | |
| 4-Chlorotoluene | | 106-43-4 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| 4-Methyl-2-pentanone | | 108-10-1 | NE | 5 U | | 5 U | | 5 U | | 5 U | | 5 U | |
| Acetone | | 67-64-1 | 950 | 10 U | | 10 U | | 10 U | | 10 U | | 10 U | |
| Acrylonitrile | | 107-13-1 | NE | 10 U | | 10 U | | 10 U | | 10 U | | 10 U | |
| Benzene | | 71-43-2 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Bromobenzene | | 108-86-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Bromochloromethane | | 74-97-5 | 8 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Bromodichloromethane | | 75-27-4 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Bromoform | | 75-25-2 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Bromomethane | | 74-83-9 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Carbon disulfide | | 75-15-0 | NE | 2 U | | 2 U | | 2 U | | 2 U | | 2 U | |
| Carbon tetrachloride | | 56-23-5 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Chlorobenzene | | 108-90-7 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Chloroethane | | 75-00-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Chloroform | | 67-66-3 | NE | 0.5 U | | 0.5 U | | 0.991 | | 0.5 U | | 0.5 U | |
| Chloromethane | | 74-87-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| cis-1,2-Dichloroethene | | 156-59-2 | 70 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| cis-1,3-Dichloropropene | | 10061-01-5 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Dibromochloromethane | | 124-48-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Dibromomethane | | 74-95-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Dichlorodifluoromethane | | 75-71-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| di-Isopropyl ether | | 108-20-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Ethyl ether | | 60-29-7 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Ethyl t-butyl ether | | 637-92-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Ethylbenzene | | 100-41-4 | 700 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Freon 113 | | 76-13-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Hexachlorobutadiene | | 87-68-3 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Isopropylbenzene | | 98-82-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| m&p-Xylene | | 179601-23-1 | NE | 1 U | | 1 U | | 1 U | | 1 U | | 1 U | |
| Methyl tertiary butyl ether | | 1634-04-4 | 11 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Methylene Chloride | | 75-09-2 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 10.6 | | 0.5 U | |
| Naphthalene | | 91-20-3 | 0.5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| n-Butylbenzene | | 104-51-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| N-Propylbenzene | | 103-65-1 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| o-Xylene | | 95-47-6 | 10000 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| p-Isopropyltoluene | | 99-87-6 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| sec-Butylbenzene | | 135-98-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Styrene | | 100-42-5 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| t-Amyl methyl ether | | 994-05-8 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| t-Butyl alcohol | | 75-65-0 | NE | 25 U | | 25 U | | 25 U | | 25 U | | 25 U | |
| tert-Butylbenzene | | 98-06-6 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Tetrachloroethene | | 127-18-4 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Tetrahydrofuran | | 109-99-9 | NE | 7 U | | 7 U | | 7 U | | 7.69 | | 7 U | |
| Toluene | | 108-88-3 | 1000 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Total Trimethylbenzene | | 25551-13-7 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Total Xylene | | 1330-20-7 | 10000 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| trans-1,2-Dichloroethene | | 156-60-5 | 100 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| trans-1,3-Dichloropropene | | 10061-02-6 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Trichloroethene | | 79-01-6 | 5 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Trichlorofluoromethane | | 75-69-4 | NE | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |
| Vinyl chloride | | 75-01-4 | 2 | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | | 0.5 U | |

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

**Table and Time Series C-7
MW-2S**



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

Key:

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

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

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

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

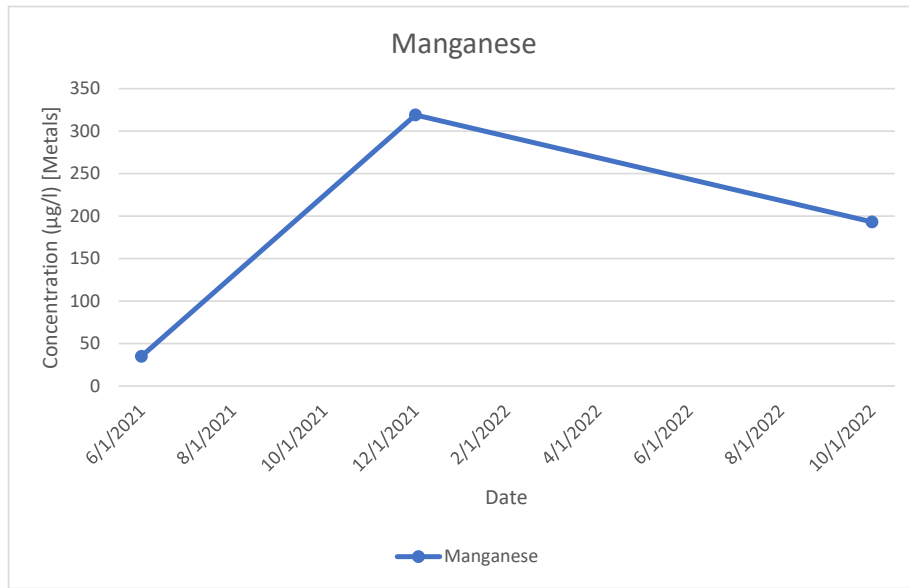
Bold results indicate detections of the analyte

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

Key:

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

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

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

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

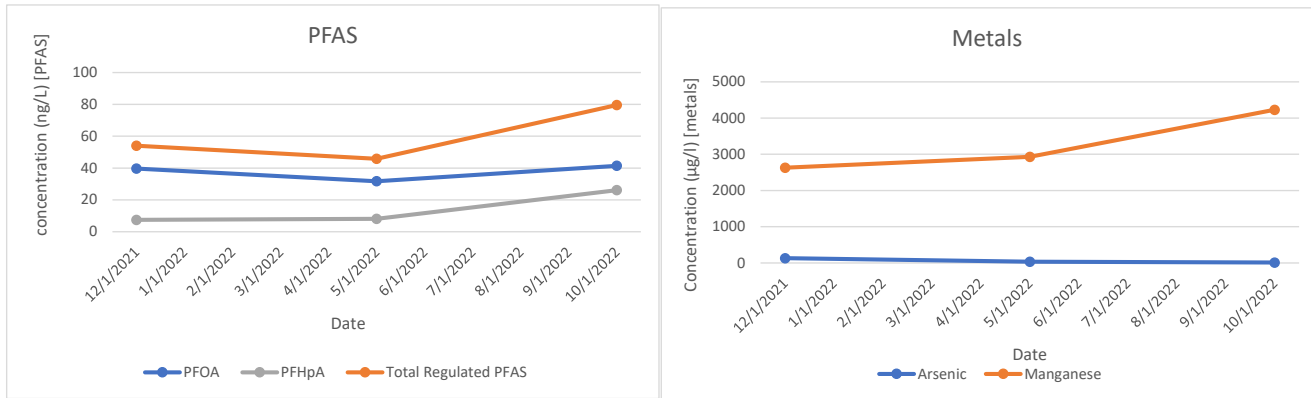
Bold results indicate detections of the analyte

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 | MW-3S |
|--------------------------------------|------------|---------------------------|-----------|------------|
| Sample Date | CAS# | 12/27/2021 | 5/11/2022 | 10/19/2022 |
| Analyte | | Q | Q | Q |
| 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)

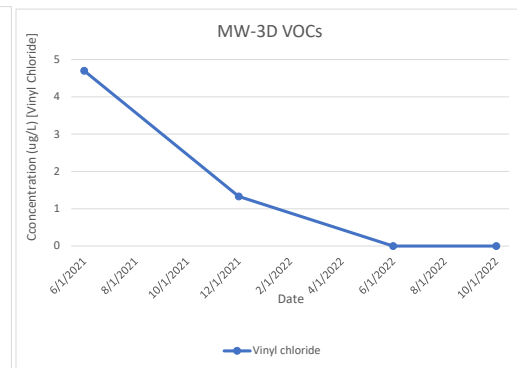
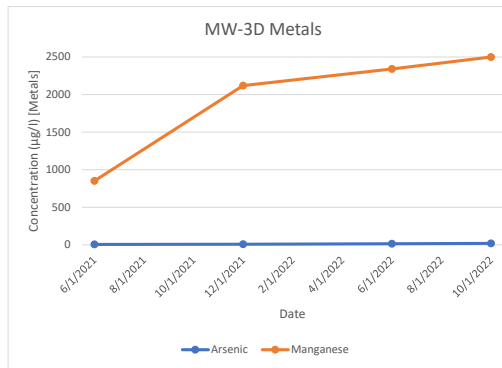
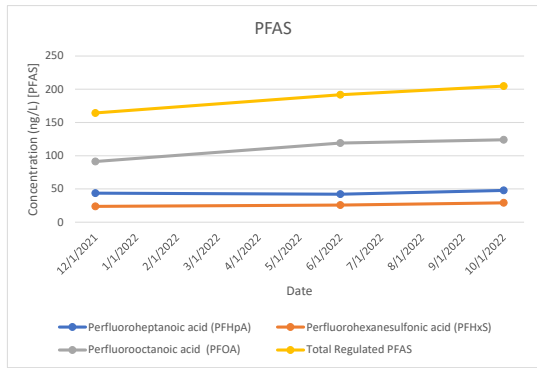
Bold results indicate detections of the analyte

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

NE - screening level not established

NA- Not analyzed

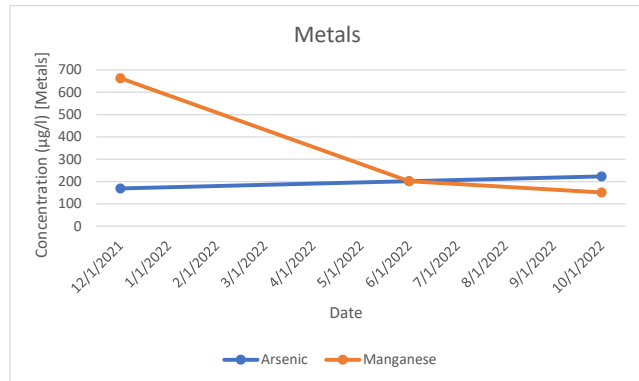
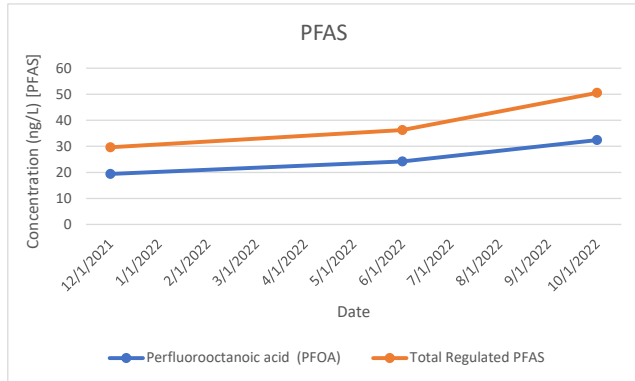
Table and Time Series C-10
MW-3D



| Sample ID | Sample Date | CAS# | VGES | MW-5 (MW-3D) | | MW-3D | | MW-3D | | MW-3D | |
|---|-------------|------|--------------------|--------------|-------|------------|-------|----------|------|------------|---|
| | | | | 6/14/2021 | Q | 12/27/2021 | Q | 6/9/2022 | Q | 10/19/2022 | Q |
| Analyte | | | | | | | | | | | |
| VOCs | | | (ug/l) | | | | | | | | |
| Benzene | 71-43-2 | | 5 | 0.8 | 1.0 | U | 1.08 | 1.56 | | | |
| Ethyl ether | 60-29-7 | | NE | 7.8 | 14.8 | | 10 | 14.4 | | | |
| Tetrahydrofuran | 109-99-9 | | NE | 21 | 42.6 | | 19.8 | 39.9 | | | |
| Toluene | 108-88-3 | | 1000 | 1.9 | 1.0 | U | 1.0 | U | 1 | U | |
| Vinyl chloride | 75-01-4 | | 2 | 4.7 | 1.33 | | 1.0 | U | 1 | U | |
| PFAS | | | (ng/L) | | | | | | | | |
| 6:2 Fluorotelomer sulfonic acid (6:2 FTS) | 27619-97-2 | | NE | NA | 73.0 | | 24.5 | 4.61 | | | |
| Perfluorobutanesulfonic acid (PFBS) | 375-73-5 | | NE | NA | 3.69 | | 5.00 | 5.00 | | | |
| Perfluorobutanoic acid (PFBA) | 375-22-4 | | NE | NA | 28.1 | | 27.4 | 26.4 | | | |
| Perfluoroheptanoic acid (PFHpA) | 375-85-9 | | 20 | NA | 43.7 | | 42.1 | 47.8 | | | |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 | | 20 | NA | 23.8 | | 25.8 | 29.1 | | | |
| Perfluorohexanoic acid (PFHxA) | 307-24-4 | | NE | NA | 59.4 | | 58.6 | 61.7 | | | |
| Perfluorononanoic acid (PFNA) | 375-95-1 | | 20 | NA | 1.82 | U | 1.83 | U | 1.81 | U | |
| Perfluorooctanesulfonic acid (PFOS) | 1763-23-1 | | 20 | NA | 5.57 | | 4.78 | 3.86 | | | |
| Perfluorooctanoic acid (PFOA) | 335-67-1 | | 20 | NA | 91.3 | | 119 | 124 | | | |
| Perfluoropentanesulfonic acid (PFPeS) | 2706-91-4 | | NE | NA | 3.63 | | 4.5 | 4.91 | | | |
| Perfluoropentanoic acid (PFPeA) | 2706-90-3 | | NE | NA | 26.0 | | 28.5 | 31.6 | | | |
| Total Regulated PFAS | | | 20 | NA | 164.4 | | 192 | 205 | | | |
| Total Metals | | | (ug/l) (dissolved) | | | | | | | | |
| Arsenic | 7440-38-2 | | 10 | 5.6 | 8.0 | U | 14 | 19.7 | | | |
| Iron | 7439-89-6 | | NE | NA | 3340 | | 4030 | 5080 | | | |
| Manganese | 7439-96-5 | | 300 | 850 | 2120 | | 2340 | 2500 | | | |
| Sodium | 7440-23-5 | | NE | 52000 | 97300 | | 75400 | 79600 | | | |
| COD | | | (mg/L) | | | | | | | | |
| COD | | | | 28 | 38 | | 75 | U | 75 | U | |
| Chloride | | | (ug/l) | | | | | | | | |
| Chloride | 16887-00-6 | | | 33000 | 45900 | | 35600 | 48.9 | | | |

Key:
 VTDOH DWHA - Vermont Department of Health Drinking Water Health Advisory, November 2018
 VGES - Vermont Groundwater Enforcement Standard, July 2019
 ug/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

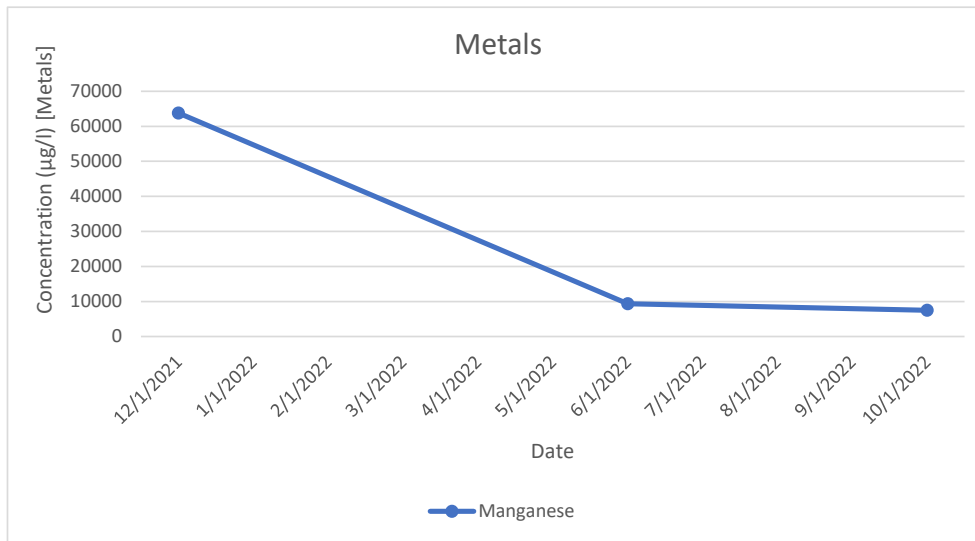
Table and Time Series C-11
MW-4S



| Sample ID | VGES | MW-4S | MW-4S | MW-4S |
|--------------------------------------|------------|------------|----------|------------|
| Sample Date | CAS# | 12/23/2021 | 6/7/2022 | 10/19/2022 |
| Analyte | | Q | Q | Q |
| VOCs (µg/l) | | | | |
| Benzene | 71-43-2 | 5 | 2.20 | 3.37 |
| 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 | | MW-4D | |
|--------------------------------------|------------|---------------|------------|---|----------|---|------------|---|
| Sample Date | CAS# | | 12/23/2021 | Q | 6/7/2022 | Q | 10/19/2022 | Q |
| Analyte | | | | | | | | |
| VOCs | | (µg/l) | | | | | | |
| Freon 12 | 75-71-8 | NE | 2.0 U | | 3.11 | | 4.48 | |
| PFAS | | (ng/L) | | | | | | |
| Perfluorobutanoic acid (PFBA) | 375-22-4 | NE | 12.0 | | 1.84 U | | 5.23 U | |
| Perfluoroheptanoic acid (PFHpA) | 375-85-9 | 20 | 1.95 U | | 1.84 U | | 2.09 U | |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 | 20 | 1.95 U | | 1.84 U | | 2.09 U | |
| Perfluorononanoic acid (PFNA) | 375-95-1 | 20 | 1.95 U | | 1.84 U | | 2.09 U | |
| Perfluorooctanesulfonic acid (PFOS) | 1763-23-1 | 20 | 1.95 U | | 1.84 U | | 2.09 U | |
| Perfluorooctanoic acid (PFOA) | 335-67-1 | 20 | 2.52 | | 1.84 U | | 2.09 U | |
| Total Regulated PFAS | | 20 | 2.5 | | 1.84 U | | 2.09 U | |
| Total Metals | | (µg/l) | | | | | | |
| Arsenic | 7440-38-2 | 10 | 8.0 U | | 4 | | 4 U | |
| Iron | 7439-89-6 | NE | 10100 | | 7120 | | 165 | |
| Manganese | 7439-96-5T | 300 | 463 | | 227 | | 74.8 | |
| Sodium | 7440-23-5 | NE | 63800 | | 9330 | | 7490 | |
| COD | | (mg/L) | | | | | | |
| COD | | | 23 | | 241 | | 75 U | |
| Chloride | | (µg/l) | | | | | | |
| Chloride | 16887-00-6 | | 19500 | | 2110 | | 7.5 U | |

Key:

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

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

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

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

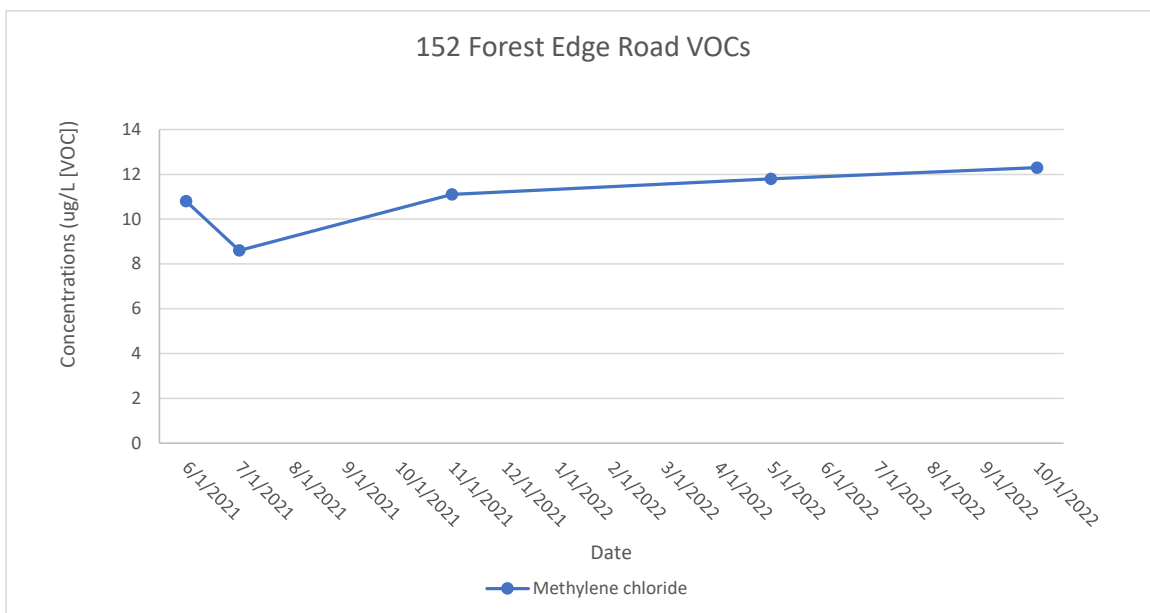
Bold results indicate detections of the analyte

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

Key:

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

VGES - Vermont Groundwater Enforcement Standard, July 2019

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

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

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

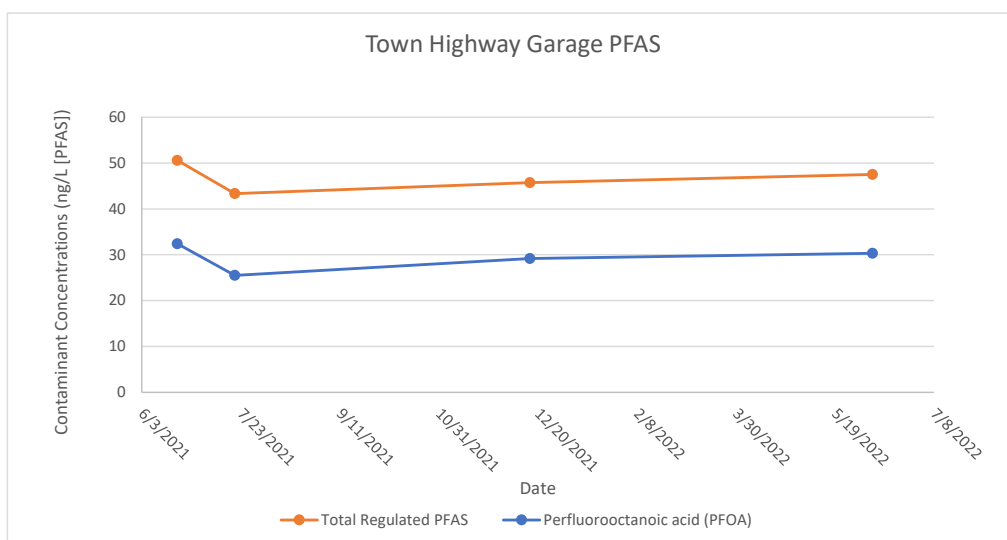
Bold results indicate detections of the analyte

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

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-15
685 Beecher Hill Road/56 Forest Edge Road**

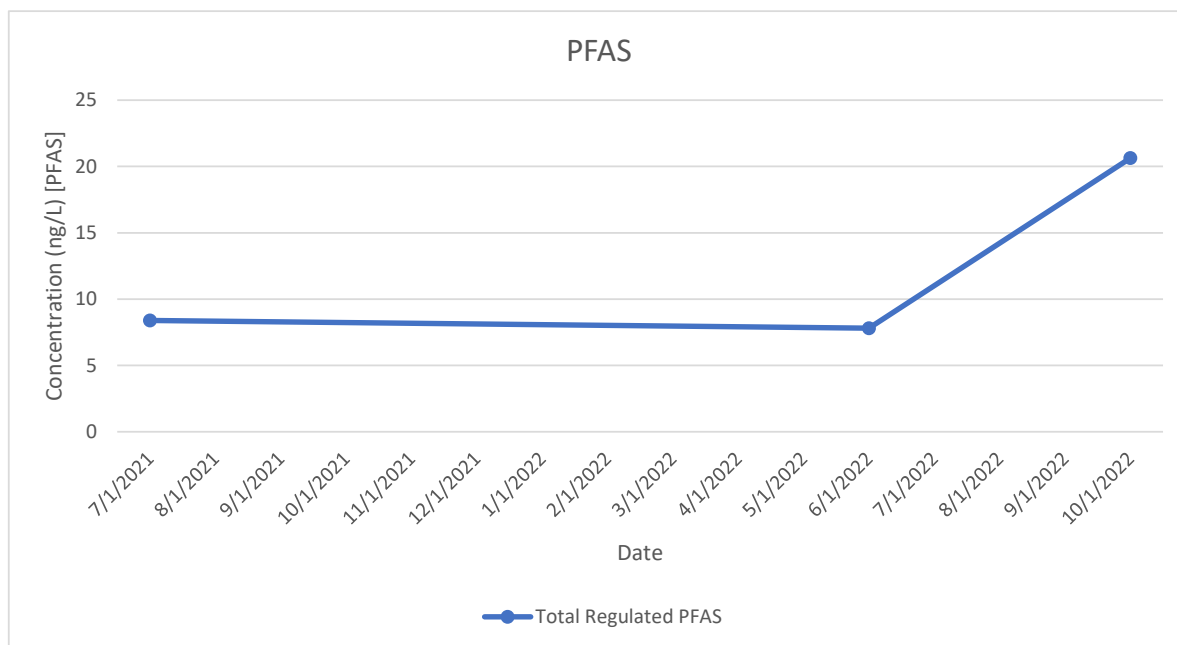


Table and Time Series C-15
685 Beecher Hill Road/56 Forest Edge Road

| Sample ID | DWHA/ VGES | 685 Beecher Hill Rd | Hurd (685 Beecher Hill Rd) | 56 Forest Edge | 56 Forest Edge | | | | |
|--------------------------------------|---------------|------------------------|----------------------------------|-------------------|-------------------|--------------|---|------------|---|
| Sample Date | | 6/21/2021 | Q | 7/20/2021 | Q | 6/9/2022 | Q | 10/20/2022 | Q |
| Analyte | | | | | | | | | |
| VOCs | | (µg/l) | | | | | | | |
| Chloroform | 67-66-3 | NE | 1.0 U | 1.0 U | 0.662 | 0.991 | | | |
| PFAS | | (ng/L) | | | | | | | |
| Perfluorobutanesulfonic acid (PFBS) | 375-73-5 | NE | NA | 2.21 U | 1.68 U | 1.96 | | | |
| Perfluoroheptanoic acid (PFHpA) | 375-85-9 | 20 | NA | 2.21 U | 1.68 U | 4.97 | | | |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 | 20 | NA | 2.21 U | 1.68 U | 3.51 | | | |
| Perfluorohexanoic acid (PFHxA) | 307-24-4 | NE | NA | 2.21 U | 1.68 U | 3.99 | | | |
| Perfluorononanoic acid (PFNA) | 375-95-1 | 20 | NA | 2.21 U | 1.68 U | 1.89 U | | | |
| Perfluorooctanesulfonic acid (PFOS) | 1763-23-1 | 20 | NA | 3.71 | 4.46 | 4.75 | | | |
| Perfluorooctanoic acid (PFOA) | 335-67-1 | 20 | NA | 4.68 | 3.35 | 7.40 | | | |
| Perfluoropentanoic acid (PFPeA) | 2706-90-3 | NE | NA | 2.78 | NA | NA | | | |
| Total Regulated PFAS | | 20 | NA | 8.39 | 7.81 | 20.63 | | | |

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

Appendix D: Laboratory Analytical Reports

ANALYTICAL REPORT

PREPARED FOR

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

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

620-7783-1



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Definitions/Glossary

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

Job ID: 620-7783-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|---|
| *- | LCS and/or LCSD is outside acceptance limits, low biased. |

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| ^3- | Reporting Limit Check Standard is outside acceptance limits, low biased. |
| ^3+ | Reporting Limit Check Standard is outside acceptance limits, high biased |

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: 620-7783-1

Job ID: 620-7783-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-7783-1

Comments

No additional comments.

Receipt

The samples were received on 10/21/2022 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1° C, 0.9° C and 3.3° C.

Receipt Exceptions

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): MW-4D (620-7783-6). The laboratory received 4 total containers, while the COC lists 2 total containers.

GC/MS VOA

Method 8260C: The laboratory control sample (LCS) for analytical batch 620-16882 recovered outside control limits for the following analytes: Bromoform. Since the affected target compounds were within the 8260C method limit of 70-130%, the data have been reported and qualified.

Method 8260C: The laboratory control sample duplicate (LCSD) for analytical batch 620-16882 recovered outside control limits for the following analytes: 1,3-Dichlorobenzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene, and Bromoform. Since the affected target compounds were within the 8260C method limit of 70-130%, the data have been reported and qualified.

Method 524.2: Volatile compounds have been detected above the RL for the following samples: 907 Beecher-INF (620-7783-7), 907 Beecher Hill-INF-FD (620-7783-8), 152 Forest Edge-INF (620-7783-9) and 152 Forest Edge-EFF (620-7783-13). 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

Method 6010D: Aqueous CRI failed high for cadmium, but sample is non-detect. Data is acceptable because we can high-bias non-detect it.

MW-3D (620-7783-4)

Method 6010D: The aqueous CRI failed high for zinc, but sample is non-detect. Data is acceptable because we can high-bias non-detect it.

MW-4D (620-7783-6)

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.

Detection Summary

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

Job ID: 620-7783-1

Client Sample ID: MW-2S

Lab Sample ID: 620-7783-1

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------|--------|-----------|---------|------|---------|---|--------|-----------|
| Acetone | 13.7 | | 10.0 | ug/L | 1 | | 8260C | Total/NA |
| Benzene | 1.50 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| 1,4-Dichlorobenzene | 1.01 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Ethyl ether | 1.23 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Arsenic | 0.150 | | 0.00800 | mg/L | 1 | | 6010D | Total/NA |
| Iron | 15.9 | | 0.100 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 1.31 | ^3- | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Nickel | 0.0184 | | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Sodium | 4.18 | | 1.50 | mg/L | 1 | | 6010D | Total/NA |

Client Sample ID: MW-3S

Lab Sample ID: 620-7783-2

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|---------|------|---------|---|----------------|-----------|
| Chlorobenzene | 1.78 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Tetrahydrofuran | 23.0 | | 2.00 | ug/L | 1 | | 8260C | Total/NA |
| Ethyl ether | 8.11 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Chloride | 35.0 | | 15.0 | mg/L | 10 | | EPA 300.0 R2.1 | Total/NA |
| Arsenic | 0.0129 | | 0.00800 | mg/L | 1 | | 6010D | Total/NA |
| Copper | 0.0142 | ^3+ | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Iron | 1.31 | | 0.100 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 4.23 | ^3- | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Nickel | 0.0137 | | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Sodium | 29.4 | | 1.50 | mg/L | 1 | | 6010D | Total/NA |

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-------------|--------|-----------|---------|------|---------|---|--------|-----------|
| Benzene | 1.50 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Ethyl ether | 1.21 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Arsenic | 0.148 | | 0.00800 | mg/L | 1 | | 6010D | Total/NA |
| Iron | 15.9 | | 0.100 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 1.26 | ^3- | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Nickel | 0.0198 | | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Sodium | 4.02 | | 1.50 | mg/L | 1 | | 6010D | Total/NA |

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|---------|------|---------|---|----------------|-----------|
| Benzene | 1.56 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Methyl tert-butyl ether | 1.12 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Tetrahydrofuran | 39.9 | | 2.00 | ug/L | 1 | | 8260C | Total/NA |
| Ethyl ether | 14.4 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Chloride | 48.9 | | 15.0 | mg/L | 10 | | EPA 300.0 R2.1 | Total/NA |
| Arsenic | 0.0197 | | 0.00800 | mg/L | 1 | | 6010D | Total/NA |
| Iron | 5.08 | | 0.100 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 2.50 | ^3+ | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Nickel | 0.0402 | | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Sodium | 79.6 | | 1.50 | mg/L | 1 | | 6010D | Total/NA |

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|------|------|---------|---|--------|-----------|
| Benzene | 3.37 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

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

Job ID: 620-7783-1

Client Sample ID: MW-4S (Continued)

Lab Sample ID: 620-7783-5

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|---------|------|---------|---|----------------|-----------|
| cis-1,2-Dichloroethene | 1.12 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Ethyl ether | 10.8 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Chloride | 14.6 | | 7.50 | mg/L | 5 | | EPA 300.0 R2.1 | Total/NA |
| Arsenic | 0.223 | | 0.00800 | mg/L | 1 | | 6010D | Total/NA |
| Iron | 17.6 | | 0.100 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 0.151 | ^3- | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Nickel | 0.0459 | | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Sodium | 20.3 | | 1.50 | mg/L | 1 | | 6010D | Total/NA |

Client Sample ID: MW-4D

Lab Sample ID: 620-7783-6

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------------|--------|-----------|---------|------|---------|---|--------|-----------|
| Dichlorodifluoromethane (Freon 12) | 4.48 | | 2.00 | ug/L | 1 | | 8260C | Total/NA |
| Iron | 0.165 | | 0.0500 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 0.0748 | ^3+ | 0.00500 | mg/L | 1 | | 6010D | Total/NA |
| Sodium | 7.49 | | 0.750 | mg/L | 1 | | 6010D | Total/NA |

Client Sample ID: 907 Beecher-INF

Lab Sample ID: 620-7783-7

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|-------|------|---------|---|--------|-----------|
| Dichlorodifluoromethane | 3.16 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Ethyl ether | 8.52 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Methyl tertiary butyl ether | 0.958 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Tetrahydrofuran | 22.0 | | 7.00 | ug/L | 1 | | 524.2 | Total/NA |

Client Sample ID: 907 Beecher Hill-INF-FD

Lab Sample ID: 620-7783-8

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|-------|------|---------|---|--------|-----------|
| Dichlorodifluoromethane | 3.17 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Ethyl ether | 8.59 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Methyl tertiary butyl ether | 1.02 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Tetrahydrofuran | 22.6 | | 7.00 | ug/L | 1 | | 524.2 | Total/NA |

Client Sample ID: 152 Forest Edge-INF

Lab Sample ID: 620-7783-9

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-------|------|---------|---|--------|-----------|
| Ethyl ether | 6.87 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Methylene Chloride | 12.3 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Tetrahydrofuran | 16.9 | | 7.00 | ug/L | 1 | | 524.2 | Total/NA |

Client Sample ID: 907 Beecher Hill-MID

Lab Sample ID: 620-7783-10

No Detections.

Client Sample ID: 907 Beecher Hill-EFF

Lab Sample ID: 620-7783-11

No Detections.

Client Sample ID: 152 Forest Edge-MID

Lab Sample ID: 620-7783-12

No Detections.

Client Sample ID: 152 Forest Edge-EFF

Lab Sample ID: 620-7783-13

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-------|------|---------|---|--------|-----------|
| Methylene Chloride | 11.8 | | 0.500 | ug/L | 1 | | 524.2 | 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: 620-7783-1

Client Sample ID: 152 Forest Edge-EFF (Continued)

Lab Sample ID: 620-7783-13

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|------|---------|---|--------|-----------|
| Tetrahydrofuran | 7.34 | | 7.00 | ug/L | 1 | | 524.2 | Total/NA |

Client Sample ID: 56 Forest Edge/685 Beecher Hill

Lab Sample ID: 620-7783-14

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------|--------|-----------|-------|------|---------|---|--------|-----------|
| Chloroform | 0.991 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |

Client Sample ID: MW-2D

Lab Sample ID: 620-7783-18

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-------------|--------|-----------|---------|------|---------|---|--------|-----------|
| Ethyl ether | 1.82 | | 1.00 | ug/L | 1 | | 8260C | Total/NA |
| Arsenic | 0.0149 | | 0.00800 | mg/L | 1 | | 6010D | Total/NA |
| Iron | 2.27 | | 0.100 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 0.193 | ^3- | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Sodium | 8.02 | | 1.50 | mg/L | 1 | | 6010D | Total/NA |

Client Sample ID: Trip Blank

Lab Sample ID: 620-7783-19

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: 620-7783-1

Client Sample ID: MW-2S

Lab Sample ID: 620-7783-1

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Acetone | 13.7 | | 10.0 | ug/L | | | 11/01/22 13:27 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 13:27 | 1 |
| Benzene | 1.50 | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 13:27 | 1 |
| Bromoform | ND | *- | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 13:27 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,3-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,4-Dichlorobenzene | 1.01 | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 13:27 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 13:27 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2S

Lab Sample ID: 620-7783-1

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 13:27 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,2,4-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,3,5-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Ethyl ether | 1.23 | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:27 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 13:27 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 13:27 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 13:27 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 13:27 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | 11/01/22 13:27 | 1 |
| Toluene-d8 (Surr) | 100 | | 70 - 130 | | 11/01/22 13:27 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 70 - 130 | | 11/01/22 13:27 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 70 - 130 | | 11/01/22 13:27 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|---|----------|----------------|---------|
| Chloride | ND | | 7.50 | mg/L | | | 11/11/22 22:55 | 5 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.150 | | 0.00800 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |
| Cadmium | ND | | 0.00500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |
| Copper | ND | ^3+ | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |
| Iron | 15.9 | | 0.100 | mg/L | | 11/03/22 16:04 | 11/04/22 20:18 | 1 |
| Lead | ND | | 0.0150 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |
| Manganese | 1.31 | ^3- | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |
| Nickel | 0.0184 | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |
| Sodium | 4.18 | | 1.50 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2S
Date Collected: 10/19/22 12:30
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-1
Matrix: Water

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Zinc | ND | ^3- | 0.0500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:37 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:38 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 10/25/22 10:03 | 1 |



Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-3S

Lab Sample ID: 620-7783-2

Date Collected: 10/19/22 12:12

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 13:52 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 13:52 | 1 |
| Benzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 13:52 | 1 |
| Bromoform | ND | *- | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Chlorobenzene | 1.78 | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 13:52 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,3-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 13:52 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 13:52 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-3S

Lab Sample ID: 620-7783-2

Date Collected: 10/19/22 12:12

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 13:52 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,2,4-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,3,5-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Tetrahydrofuran | 23.0 | | 2.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Ethyl ether | 8.11 | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:52 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 13:52 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 13:52 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 13:52 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 13:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 | | 11/01/22 13:52 | 1 |
| Toluene-d8 (Surr) | 100 | | 70 - 130 | | 11/01/22 13:52 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 70 - 130 | | 11/01/22 13:52 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 | | 11/01/22 13:52 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|------|------|---|----------|----------------|---------|
| Chloride | 35.0 | | 15.0 | mg/L | | | 11/11/22 23:30 | 10 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|------------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.0129 | | 0.00800 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |
| Cadmium | ND | | 0.00500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |
| Copper | 0.0142 | ^3+ | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |
| Iron | 1.31 | | 0.100 | mg/L | | 11/03/22 16:04 | 11/04/22 20:25 | 1 |
| Lead | ND | | 0.0150 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |
| Manganese | 4.23 | ^3- | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |
| Nickel | 0.0137 | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |
| Sodium | 29.4 | | 1.50 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-3S
Date Collected: 10/19/22 12:12
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-2
Matrix: Water

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Zinc | ND | ^3- | 0.0500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:44 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:40 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 10/25/22 10:04 | 1 |



Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 14:16 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 14:16 | 1 |
| Benzene | 1.50 | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 14:16 | 1 |
| Bromoform | ND | *- | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 14:16 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,3-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 14:16 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 14:16 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 14:16 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,2,4-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,3,5-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Ethyl ether | 1.21 | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 14:16 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 14:16 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 14:16 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 14:16 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 14:16 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | 11/01/22 14:16 | 1 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 | | 11/01/22 14:16 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 89 | | 70 - 130 | | 11/01/22 14:16 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 | | 11/01/22 14:16 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|---|----------|----------------|---------|
| Chloride | ND | | 7.50 | mg/L | | | 11/11/22 23:55 | 5 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.148 | | 0.00800 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |
| Cadmium | ND | | 0.00500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |
| Copper | ND | ^3+ | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |
| Iron | 15.9 | | 0.100 | mg/L | | 11/03/22 16:04 | 11/04/22 20:31 | 1 |
| Lead | ND | | 0.0150 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |
| Manganese | 1.26 | ^3- | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |
| Nickel | 0.0198 | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |
| Sodium | 4.02 | | 1.50 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Zinc | ND | ^3- | 0.0500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:50 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:42 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 10/25/22 10:09 | 1 |



Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

Date Collected: 10/19/22 13:44

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 14:41 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 14:41 | 1 |
| Benzene | 1.56 | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 14:41 | 1 |
| Bromoform | ND | * | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 14:41 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,3-Dichlorobenzene | ND | * | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 14:41 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 14:41 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Methyl tert-butyl ether | 1.12 | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

Date Collected: 10/19/22 13:44

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 14:41 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,2,4-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,3,5-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Tetrahydrofuran | 39.9 | | 2.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Ethyl ether | 14.4 | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 14:41 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 14:41 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 14:41 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 14:41 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 14:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 | | 11/01/22 14:41 | 1 |
| Toluene-d8 (Surr) | 100 | | 70 - 130 | | 11/01/22 14:41 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 86 | | 70 - 130 | | 11/01/22 14:41 | 1 |
| Dibromofluoromethane (Surr) | 95 | | 70 - 130 | | 11/01/22 14:41 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|------|------|---|----------|----------------|---------|
| Chloride | 48.9 | | 15.0 | mg/L | | | 11/11/22 23:47 | 10 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.0197 | | 0.00800 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Cadmium | ND | ^3+ | 0.00500 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Copper | ND | | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Iron | 5.08 | | 0.100 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Lead | ND | | 0.0150 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Manganese | 2.50 | ^3+ | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Nickel | 0.0402 | | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |
| Sodium | 79.6 | | 1.50 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-3D
Date Collected: 10/19/22 13:44
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-4
Matrix: Water

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Zinc | ND | ^3+ | 0.0500 | mg/L | | 10/25/22 15:57 | 10/26/22 13:08 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:48 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 10/25/22 10:19 | 1 |



Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

Date Collected: 10/19/22 16:03

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 15:07 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 15:07 | 1 |
| Benzene | 3.37 | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 15:07 | 1 |
| Bromoform | ND | *- | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 15:07 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,3-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| cis-1,2-Dichloroethene | 1.12 | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 15:07 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 15:07 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

Date Collected: 10/19/22 16:03

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 15:07 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,2,4-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,3,5-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Ethyl ether | 10.8 | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:07 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 15:07 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 15:07 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 15:07 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 15:07 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | 11/01/22 15:07 | 1 |
| Toluene-d8 (Surr) | 102 | | 70 - 130 | | 11/01/22 15:07 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 70 - 130 | | 11/01/22 15:07 | 1 |
| Dibromofluoromethane (Surr) | 100 | | 70 - 130 | | 11/01/22 15:07 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------|-------------|-----------|------|------|---|----------|----------------|---------|
| Chloride | 14.6 | | 7.50 | mg/L | | | 11/11/22 22:38 | 5 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.223 | | 0.00800 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |
| Cadmium | ND | | 0.00500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |
| Copper | ND | ^3+ | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |
| Iron | 17.6 | | 0.100 | mg/L | | 11/03/22 16:04 | 11/04/22 20:38 | 1 |
| Lead | ND | | 0.0150 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |
| Manganese | 0.151 | ^3- | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |
| Nickel | 0.0459 | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |
| Sodium | 20.3 | | 1.50 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-4S
Date Collected: 10/19/22 16:03
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-5
Matrix: Water

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Zinc | ND | ^3- | 0.0500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:57 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:50 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 10/25/22 10:22 | 1 |



Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-4D

Lab Sample ID: 620-7783-6

Date Collected: 10/19/22 14:05

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 15:32 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 15:32 | 1 |
| Benzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 15:32 | 1 |
| Bromoform | ND | *- | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 15:32 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,3-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Dichlorodifluoromethane (Freon 12) | 4.48 | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 15:32 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 15:32 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-4D

Lab Sample ID: 620-7783-6

Date Collected: 10/19/22 14:05

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 15:32 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,2,4-Trimethylbenzene | ND | * | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,3,5-Trimethylbenzene | ND | * | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Ethyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:32 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 15:32 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 15:32 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 15:32 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 15:32 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | 11/01/22 15:32 | 1 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 | | 11/01/22 15:32 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 89 | | 70 - 130 | | 11/01/22 15:32 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 70 - 130 | | 11/01/22 15:32 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|---|----------|----------------|---------|
| Chloride | ND | | 7.50 | mg/L | | | 11/11/22 22:21 | 5 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|------------|---------|------|---|----------------|----------------|---------|
| Arsenic | ND | | 0.00400 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |
| Cadmium | ND | | 0.00250 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |
| Chromium | ND | | 0.00500 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |
| Copper | ND | | 0.00500 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |
| Iron | 0.165 | | 0.0500 | mg/L | | 10/26/22 17:00 | 10/31/22 13:32 | 1 |
| Lead | ND | | 0.00750 | mg/L | | 10/26/22 17:00 | 10/31/22 13:32 | 1 |
| Manganese | 0.0748 | ^3+ | 0.00500 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |
| Nickel | ND | | 0.00500 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-4D
 Date Collected: 10/19/22 14:05
 Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-6
 Matrix: Water

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Sodium | 7.49 | | 0.750 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |
| Zinc | ND | ^3+ | 0.0250 | mg/L | | 10/26/22 17:00 | 10/27/22 19:55 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:52 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 10/25/22 10:32 | 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: 620-7783-1

Client Sample ID: 907 Beecher-INF

Lab Sample ID: 620-7783-7

Date Collected: 10/20/22 09:22

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 19:30 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 19:30 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 19:30 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 19:30 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 19:30 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 19:30 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Dichlorodifluoromethane | 3.16 | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Ethyl ether | 8.52 | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher-INF

Lab Sample ID: 620-7783-7

Date Collected: 10/20/22 09:22

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 19:30 | 1 |
| Methyl tertiary butyl ether | 0.958 | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 19:30 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Tetrahydrofuran | 22.0 | | 7.00 | ug/L | | | 10/25/22 19:30 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 19:30 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 103 | | 80 - 120 | | 10/25/22 19:30 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 10/25/22 19:30 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher Hill-INF-FD

Lab Sample ID: 620-7783-8

Date Collected: 10/20/22 09:22

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 19:52 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 19:52 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 19:52 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 19:52 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 19:52 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 19:52 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Dichlorodifluoromethane | 3.17 | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Ethyl ether | 8.59 | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher Hill-INF-FD

Lab Sample ID: 620-7783-8

Date Collected: 10/20/22 09:22

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 19:52 | 1 |
| Methyl tertiary butyl ether | 1.02 | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 19:52 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Tetrahydrofuran | 22.6 | | 7.00 | ug/L | | | 10/25/22 19:52 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 19:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 103 | | 80 - 120 | | 10/25/22 19:52 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 10/25/22 19:52 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 152 Forest Edge-INF

Lab Sample ID: 620-7783-9

Date Collected: 10/20/22 10:20

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 20:15 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 20:15 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 20:15 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 20:15 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 20:15 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 20:15 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Ethyl ether | 6.87 | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 152 Forest Edge-INF

Lab Sample ID: 620-7783-9

Date Collected: 10/20/22 10:20

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 20:15 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Methylene Chloride | 12.3 | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 20:15 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Tetrahydrofuran | 16.9 | | 7.00 | ug/L | | | 10/25/22 20:15 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 20:15 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 102 | | 80 - 120 | | 10/25/22 20:15 | 1 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | 10/25/22 20:15 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher Hill-MID

Lab Sample ID: 620-7783-10

Date Collected: 10/20/22 09:41

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 20:38 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 20:38 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 20:38 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 20:38 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 20:38 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 20:38 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher Hill-MID

Lab Sample ID: 620-7783-10

Date Collected: 10/20/22 09:41

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 20:38 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 20:38 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 10/25/22 20:38 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 20:38 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 101 | | 80 - 120 | | 10/25/22 20:38 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 10/25/22 20:38 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher Hill-EFF

Lab Sample ID: 620-7783-11

Date Collected: 10/20/22 09:37

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 21:01 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 21:01 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 21:01 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 21:01 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 21:01 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 21:01 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher Hill-EFF

Lab Sample ID: 620-7783-11

Date Collected: 10/20/22 09:37

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 21:01 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 21:01 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 10/25/22 21:01 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:01 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 102 | | 80 - 120 | | 10/25/22 21:01 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 10/25/22 21:01 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 152 Forest Edge-MID

Lab Sample ID: 620-7783-12

Date Collected: 10/20/22 10:16

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 21:24 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 21:24 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 21:24 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 21:24 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 21:24 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 21:24 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 152 Forest Edge-MID

Lab Sample ID: 620-7783-12

Date Collected: 10/20/22 10:16

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 21:24 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 21:24 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 10/25/22 21:24 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:24 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 102 | | 80 - 120 | | 10/25/22 21:24 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 80 - 120 | | 10/25/22 21:24 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 152 Forest Edge-EFF

Lab Sample ID: 620-7783-13

Date Collected: 10/20/22 10:10

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 21:47 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 21:47 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 21:47 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 21:47 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 21:47 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 21:47 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 152 Forest Edge-EFF

Lab Sample ID: 620-7783-13

Date Collected: 10/20/22 10:10

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 21:47 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Methylene Chloride | 11.8 | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 21:47 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Tetrahydrofuran | 7.34 | | 7.00 | ug/L | | | 10/25/22 21:47 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 21:47 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 101 | | 80 - 120 | | 10/25/22 21:47 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 80 - 120 | | 10/25/22 21:47 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 56 Forest Edge/685 Beecher Hill

Lab Sample ID: 620-7783-14

Date Collected: 10/20/22 10:50

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 22:10 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 22:10 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 22:10 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 22:10 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 22:10 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 22:10 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Chloroform | 0.991 | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| cis-1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: 56 Forest Edge/685 Beecher Hill

Lab Sample ID: 620-7783-14

Date Collected: 10/20/22 10:50

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 22:10 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 22:10 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 10/25/22 22:10 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 22:10 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 102 | | 80 - 120 | | 10/25/22 22:10 | 1 |
| 4-Bromofluorobenzene (Surr) | 92 | | 80 - 120 | | 10/25/22 22:10 | 1 |

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2D

Lab Sample ID: 620-7783-18

Date Collected: 10/20/22 14:08

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 15:57 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 15:57 | 1 |
| Benzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 15:57 | 1 |
| Bromoform | ND | *- | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 15:57 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,3-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 15:57 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 15:57 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2D

Lab Sample ID: 620-7783-18

Date Collected: 10/20/22 14:08

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 15:57 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,2,4-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,3,5-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Ethyl ether | 1.82 | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 15:57 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 15:57 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 15:57 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 15:57 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 15:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 | | 11/01/22 15:57 | 1 |
| Toluene-d8 (Surr) | 100 | | 70 - 130 | | 11/01/22 15:57 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 70 - 130 | | 11/01/22 15:57 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 70 - 130 | | 11/01/22 15:57 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|---|----------|----------------|---------|
| Chloride | ND | | 7.50 | mg/L | | | 11/11/22 22:29 | 5 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|---------|------|---|----------------|----------------|---------|
| Arsenic | 0.0149 | | 0.00800 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |
| Cadmium | ND | | 0.00500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |
| Copper | ND | ^3+ | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |
| Iron | 2.27 | | 0.100 | mg/L | | 11/03/22 16:04 | 11/04/22 20:11 | 1 |
| Lead | ND | | 0.0150 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |
| Manganese | 0.193 | ^3- | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |
| Nickel | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |
| Sodium | 8.02 | | 1.50 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: MW-2D
Date Collected: 10/20/22 14:08
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-18
Matrix: Water

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Zinc | ND | ^3- | 0.0500 | mg/L | | 10/24/22 16:08 | 11/03/22 21:30 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:54 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 10/25/22 10:35 | 1 |



Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-7783-19

Date Collected: 10/19/22 00:00

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 13:02 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 13:02 | 1 |
| Benzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 13:02 | 1 |
| Bromoform | ND | *- | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 13:02 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,3-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 13:02 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 13:02 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-1

Client Sample ID: Trip Blank

Lab Sample ID: 620-7783-19

Date Collected: 10/19/22 00:00

Matrix: Water

Date Received: 10/21/22 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 13:02 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,2,4-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,3,5-Trimethylbenzene | ND | *- | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Ethyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 13:02 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 13:02 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/01/22 13:02 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 13:02 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 13:02 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | 11/01/22 13:02 | 1 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 | | 11/01/22 13:02 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 89 | | 70 - 130 | | 11/01/22 13:02 | 1 |
| Dibromofluoromethane (Surr) | 99 | | 70 - 130 | | 11/01/22 13:02 | 1 |

Surrogate Summary

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

Job ID: 620-7783-1

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCZ | BFB |
|------------------|---------------------------------|----------|----------|
| | | (80-120) | (80-120) |
| 620-7783-7 | 907 Beecher-INF | 103 | 93 |
| 620-7783-8 | 907 Beecher Hill-INF-FD | 103 | 93 |
| 620-7783-9 | 152 Forest Edge-INF | 102 | 94 |
| 620-7783-10 | 907 Beecher Hill-MID | 101 | 93 |
| 620-7783-11 | 907 Beecher Hill-EFF | 102 | 93 |
| 620-7783-12 | 152 Forest Edge-MID | 102 | 91 |
| 620-7783-13 | 152 Forest Edge-EFF | 101 | 91 |
| 620-7783-14 | 56 Forest Edge/685 Beecher Hill | 102 | 92 |
| LCS 410-310195/5 | Lab Control Sample | 108 | 106 |
| MB 410-310195/7 | Method Blank | 100 | 96 |

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 | BFB | TOL | DCA | DBFM |
|------------------|------------------------|----------|----------|----------|----------|
| | | (70-130) | (70-130) | (70-130) | (70-130) |
| 620-7783-1 | MW-2S | 95 | 100 | 88 | 98 |
| 620-7783-2 | MW-3S | 94 | 100 | 88 | 97 |
| 620-7783-3 | MW-2S-FD | 95 | 101 | 89 | 97 |
| 620-7783-4 | MW-3D | 94 | 100 | 86 | 95 |
| 620-7783-5 | MW-4S | 95 | 102 | 92 | 100 |
| 620-7783-6 | MW-4D | 95 | 101 | 89 | 98 |
| 620-7783-18 | MW-2D | 94 | 100 | 90 | 98 |
| 620-7783-19 | Trip Blank | 95 | 101 | 89 | 99 |
| LCS 620-16882/4 | Lab Control Sample | 96 | 100 | 88 | 97 |
| LCSD 620-16882/5 | Lab Control Sample Dup | 95 | 101 | 89 | 98 |
| MB 620-16882/7 | Method Blank | 95 | 101 | 90 | 98 |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: MB 410-310195/7
 Matrix: Drinking Water
 Analysis Batch: 310195

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

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 10/25/22 14:28 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 10/25/22 14:28 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 10/25/22 14:28 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 10/25/22 14:28 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 10/25/22 14:28 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 10/25/22 14:28 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: MB 410-310195/7
Matrix: Drinking Water
Analysis Batch: 310195

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 | | | 10/25/22 14:28 | 1 |
| Freon 113 | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 10/25/22 14:28 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 10/25/22 14:28 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 10/25/22 14:28 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 10/25/22 14:28 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 100 | | 80 - 120 | | 10/25/22 14:28 | 1 |
| 4-Bromofluorobenzene (Surr) | 96 | | 80 - 120 | | 10/25/22 14:28 | 1 |

Lab Sample ID: LCS 410-310195/5
Matrix: Drinking Water
Analysis Batch: 310195

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 | 5.493 | | ug/L | | 110 | 70 - 130 |
| 1,1,1-Trichloroethane | 5.00 | 4.942 | | ug/L | | 99 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 5.577 | | ug/L | | 112 | 70 - 130 |
| 1,1,2-Trichloroethane | 5.00 | 5.838 | | ug/L | | 117 | 70 - 130 |
| 1,1-Dichloroethane | 5.00 | 5.043 | | ug/L | | 101 | 70 - 130 |
| 1,1-Dichloroethene | 5.00 | 5.025 | | ug/L | | 101 | 70 - 130 |
| 1,1-Dichloropropene | 5.00 | 5.291 | | ug/L | | 106 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 5.00 | 4.700 | | ug/L | | 94 | 70 - 130 |
| 1,2,3-Trichloropropane | 5.00 | 5.476 | | ug/L | | 110 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 5.00 | 4.691 | | ug/L | | 94 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 5.00 | 5.078 | | ug/L | | 102 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 4.893 | | ug/L | | 98 | 70 - 130 |
| 1,2-Dibromoethane | 5.00 | 5.467 | | ug/L | | 109 | 70 - 130 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCS 410-310195/5
Matrix: Drinking Water
Analysis Batch: 310195

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 | 5.383 | | ug/L | | 108 | 70 - 130 |
| 1,2-Dichloroethane | 5.00 | 5.402 | | ug/L | | 108 | 70 - 130 |
| 1,2-Dichloropropane | 5.00 | 5.842 | | ug/L | | 117 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 5.00 | 5.039 | | ug/L | | 101 | 70 - 130 |
| 1,3-Dichlorobenzene | 5.00 | 5.410 | | ug/L | | 108 | 70 - 130 |
| 1,3-Dichloropropane | 5.00 | 5.736 | | ug/L | | 115 | 70 - 130 |
| 1,4-Dichlorobenzene | 5.00 | 5.525 | | ug/L | | 111 | 70 - 130 |
| 2,2-Dichloropropane | 5.00 | 4.958 | | ug/L | | 99 | 70 - 130 |
| 2-Butanone | 62.5 | 62.32 | | ug/L | | 100 | 70 - 130 |
| 2-Chlorotoluene | 5.00 | 5.244 | | ug/L | | 105 | 70 - 130 |
| 2-Hexanone | 62.5 | 63.66 | | ug/L | | 102 | 70 - 130 |
| 4-Chlorotoluene | 5.00 | 5.502 | | ug/L | | 110 | 70 - 130 |
| 4-Methyl-2-pentanone | 62.5 | 64.75 | | ug/L | | 104 | 70 - 130 |
| Acetone | 62.5 | 66.07 | | ug/L | | 106 | 70 - 130 |
| Acrylonitrile | 113 | 124.2 | | ug/L | | 110 | 70 - 130 |
| Benzene | 5.00 | 5.492 | | ug/L | | 110 | 70 - 130 |
| Bromobenzene | 5.00 | 5.653 | | ug/L | | 113 | 70 - 130 |
| Bromochloromethane | 5.00 | 5.671 | | ug/L | | 113 | 70 - 130 |
| Bromodichloromethane | 5.00 | 5.688 | | ug/L | | 114 | 70 - 130 |
| Bromoform | 5.00 | 5.959 | | ug/L | | 119 | 70 - 130 |
| Bromomethane | 2.00 | 1.985 | | ug/L | | 99 | 70 - 130 |
| Carbon disulfide | 5.00 | 5.082 | | ug/L | | 102 | 70 - 130 |
| Carbon tetrachloride | 5.00 | 5.042 | | ug/L | | 101 | 70 - 130 |
| Chlorobenzene | 5.00 | 5.546 | | ug/L | | 111 | 70 - 130 |
| Chloroethane | 2.00 | 2.102 | | ug/L | | 105 | 70 - 130 |
| Chloroform | 5.00 | 5.448 | | ug/L | | 109 | 70 - 130 |
| Chloromethane | 2.00 | 1.975 | | ug/L | | 99 | 70 - 130 |
| cis-1,2-Dichloroethene | 5.00 | 5.400 | | ug/L | | 108 | 70 - 130 |
| cis-1,3-Dichloropropene | 5.00 | 5.170 | | ug/L | | 103 | 70 - 130 |
| Dibromochloromethane | 5.00 | 5.796 | | ug/L | | 116 | 70 - 130 |
| Dibromomethane | 5.00 | 5.697 | | ug/L | | 114 | 70 - 130 |
| Dichlorodifluoromethane | 2.00 | 2.207 | | ug/L | | 110 | 70 - 130 |
| di-Isopropyl ether | 5.00 | 4.695 | | ug/L | | 94 | 70 - 130 |
| Ethyl ether | 5.00 | 4.582 | | ug/L | | 92 | 70 - 130 |
| Ethyl t-butyl ether | 5.00 | 4.972 | | ug/L | | 99 | 70 - 130 |
| Ethylbenzene | 5.00 | 5.199 | | ug/L | | 104 | 70 - 130 |
| Freon 113 | 5.00 | 5.003 | | ug/L | | 100 | 70 - 130 |
| Hexachlorobutadiene | 5.00 | 5.570 | | ug/L | | 111 | 70 - 130 |
| Isopropylbenzene | 5.00 | 4.903 | | ug/L | | 98 | 70 - 130 |
| m&p-Xylene | 10.0 | 10.67 | | ug/L | | 107 | 70 - 130 |
| Methyl tertiary butyl ether | 5.00 | 4.842 | | ug/L | | 97 | 70 - 130 |
| Methylene Chloride | 5.00 | 5.182 | | ug/L | | 104 | 70 - 130 |
| Naphthalene | 5.00 | 4.165 | | ug/L | | 83 | 70 - 130 |
| n-Butylbenzene | 5.00 | 5.117 | | ug/L | | 102 | 70 - 130 |
| N-Propylbenzene | 5.00 | 5.148 | | ug/L | | 103 | 70 - 130 |
| o-Xylene | 5.00 | 4.972 | | ug/L | | 99 | 70 - 130 |
| p-Isopropyltoluene | 5.00 | 5.034 | | ug/L | | 101 | 70 - 130 |
| sec-Butylbenzene | 5.00 | 5.080 | | ug/L | | 102 | 70 - 130 |
| Styrene | 5.00 | 5.368 | | ug/L | | 107 | 70 - 130 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCS 410-310195/5
Matrix: Drinking Water
Analysis Batch: 310195

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 | 4.671 | | ug/L | | 93 | 70 - 130 |
| t-Butyl alcohol | 50.0 | 44.98 | | ug/L | | 90 | 70 - 130 |
| tert-Butylbenzene | 5.00 | 4.997 | | ug/L | | 100 | 70 - 130 |
| Tetrachloroethene | 5.00 | 5.415 | | ug/L | | 108 | 70 - 130 |
| Tetrahydrofuran | 46.9 | 48.31 | | ug/L | | 103 | 70 - 130 |
| Toluene | 5.00 | 5.360 | | ug/L | | 107 | 70 - 130 |
| trans-1,2-Dichloroethene | 5.00 | 5.008 | | ug/L | | 100 | 70 - 130 |
| Trichloroethene | 5.00 | 5.187 | | ug/L | | 104 | 70 - 130 |
| Trichlorofluoromethane | 2.00 | 2.034 | | ug/L | | 102 | 70 - 130 |
| Vinyl chloride | 2.00 | 1.958 | | ug/L | | 98 | 70 - 130 |
| trans-1,3-Dichloropropene | 5.00 | 5.268 | | ug/L | | 105 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-------------------------------|---------------|---------------|----------|
| 1,2-Dichlorobenzene-d4 (Surr) | 108 | | 80 - 120 |
| 4-Bromofluorobenzene (Surr) | 106 | | 80 - 120 |

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

Lab Sample ID: MB 620-16882/7
Matrix: Water
Analysis Batch: 16882

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 | | | 11/01/22 12:36 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/01/22 12:36 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/01/22 12:36 | 1 |
| Benzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/01/22 12:36 | 1 |
| Bromoform | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/01/22 12:36 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: MB 620-16882/7
Matrix: Water
Analysis Batch: 16882

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 | | | 11/01/22 12:36 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 12:36 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/01/22 12:36 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/01/22 12:36 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Ethyl ether | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/01/22 12:36 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/01/22 12:36 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: MB 620-16882/7
Matrix: Water
Analysis Batch: 16882

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 | | | 11/01/22 12:36 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/01/22 12:36 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/01/22 12:36 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | | | | 11/01/22 12:36 | 1 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 | | | | 11/01/22 12:36 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 90 | | 70 - 130 | | | | 11/01/22 12:36 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 70 - 130 | | | | 11/01/22 12:36 | 1 |

Lab Sample ID: LCS 620-16882/4
Matrix: Water
Analysis Batch: 16882

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 | 19.84 | | ug/L | | 99 | 85 - 124 |
| Acetone | 20.0 | 17.86 | | ug/L | | 89 | 14 - 133 |
| Acrylonitrile | 20.0 | 21.49 | | ug/L | | 107 | 62 - 134 |
| Benzene | 20.0 | 20.98 | | ug/L | | 105 | 86 - 111 |
| Bromobenzene | 20.0 | 18.32 | | ug/L | | 92 | 82 - 120 |
| Bromochloromethane | 20.0 | 21.01 | | ug/L | | 105 | 83 - 123 |
| Bromodichloromethane | 20.0 | 19.36 | | ug/L | | 97 | 83 - 137 |
| Bromoform | 20.0 | 17.83 | *- | ug/L | | 89 | 91 - 137 |
| Bromomethane | 20.0 | 18.91 | | ug/L | | 95 | 29 - 148 |
| 2-Butanone (MEK) | 20.0 | 20.35 | | ug/L | | 102 | 10 - 200 |
| n-Butylbenzene | 20.0 | 21.14 | | ug/L | | 106 | 85 - 138 |
| sec-Butylbenzene | 20.0 | 16.35 | | ug/L | | 82 | 75 - 118 |
| tert-Butylbenzene | 20.0 | 18.06 | | ug/L | | 90 | 85 - 122 |
| Carbon disulfide | 20.0 | 19.62 | | ug/L | | 98 | 69 - 150 |
| Carbon tetrachloride | 20.0 | 17.51 | | ug/L | | 88 | 84 - 123 |
| Chlorobenzene | 20.0 | 22.01 | | ug/L | | 110 | 93 - 115 |
| Chloroethane | 20.0 | 19.77 | | ug/L | | 99 | 56 - 155 |
| Chloroform | 20.0 | 19.49 | | ug/L | | 97 | 84 - 116 |
| Chloromethane | 20.0 | 21.77 | | ug/L | | 109 | 45 - 138 |
| 2-Chlorotoluene | 20.0 | 18.42 | | ug/L | | 92 | 88 - 116 |
| 4-Chlorotoluene | 20.0 | 18.47 | | ug/L | | 92 | 81 - 128 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 17.07 | | ug/L | | 85 | 70 - 139 |
| Dibromochloromethane | 20.0 | 19.34 | | ug/L | | 97 | 83 - 132 |
| 1,2-Dibromoethane (EDB) | 20.0 | 19.76 | | ug/L | | 99 | 82 - 125 |
| Dibromomethane | 20.0 | 20.14 | | ug/L | | 101 | 80 - 125 |
| 1,2-Dichlorobenzene | 20.0 | 20.88 | | ug/L | | 104 | 84 - 128 |
| 1,3-Dichlorobenzene | 20.0 | 17.14 | | ug/L | | 86 | 85 - 120 |
| 1,4-Dichlorobenzene | 20.0 | 19.22 | | ug/L | | 96 | 86 - 116 |
| Dichlorodifluoromethane (Freon 12) | 20.0 | 14.38 | | ug/L | | 72 | 36 - 131 |
| 1,1-Dichloroethane | 20.0 | 21.01 | | ug/L | | 105 | 81 - 120 |
| 1,2-Dichloroethane | 20.0 | 17.83 | | ug/L | | 89 | 82 - 116 |
| 1,1-Dichloroethene | 20.0 | 20.36 | | ug/L | | 102 | 83 - 120 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCS 620-16882/4
Matrix: Water
Analysis Batch: 16882

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 | 21.33 | | ug/L | | 107 | 81 - 124 |
| trans-1,2-Dichloroethene | 20.0 | 21.76 | | ug/L | | 109 | 81 - 127 |
| 1,2-Dichloropropane | 20.0 | 22.05 | | ug/L | | 110 | 76 - 132 |
| 1,3-Dichloropropane | 20.0 | 19.35 | | ug/L | | 97 | 74 - 122 |
| 2,2-Dichloropropane | 20.0 | 18.09 | | ug/L | | 90 | 77 - 130 |
| 1,1-Dichloropropene | 20.0 | 19.11 | | ug/L | | 96 | 81 - 115 |
| cis-1,3-Dichloropropene | 20.0 | 18.92 | | ug/L | | 95 | 74 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 19.10 | | ug/L | | 96 | 78 - 126 |
| Ethylbenzene | 20.0 | 19.85 | | ug/L | | 99 | 89 - 117 |
| Hexachlorobutadiene | 20.0 | 16.37 | | ug/L | | 82 | 77 - 118 |
| 2-Hexanone (MBK) | 20.0 | 18.24 | | ug/L | | 91 | 37 - 123 |
| Isopropylbenzene | 20.0 | 17.91 | | ug/L | | 90 | 83 - 117 |
| 4-Isopropyltoluene | 20.0 | 19.00 | | ug/L | | 95 | 83 - 124 |
| Methyl tert-butyl ether | 20.0 | 18.61 | | ug/L | | 93 | 70 - 126 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 20.34 | | ug/L | | 102 | 59 - 118 |
| Methylene Chloride | 20.0 | 20.63 | | ug/L | | 103 | 75 - 121 |
| Naphthalene | 20.0 | 17.70 | | ug/L | | 89 | 67 - 123 |
| N-Propylbenzene | 20.0 | 19.27 | | ug/L | | 96 | 84 - 128 |
| Styrene | 20.0 | 18.82 | | ug/L | | 94 | 78 - 127 |
| 1,1,1,2-Tetrachloroethane | 20.0 | 18.77 | | ug/L | | 94 | 91 - 118 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 23.40 | | ug/L | | 117 | 77 - 129 |
| Tetrachloroethene | 20.0 | 18.68 | | ug/L | | 93 | 85 - 116 |
| Toluene | 20.0 | 20.57 | | ug/L | | 103 | 88 - 109 |
| 1,2,3-Trichlorobenzene | 20.0 | 16.94 | | ug/L | | 85 | 67 - 134 |
| 1,2,4-Trichlorobenzene | 20.0 | 17.06 | | ug/L | | 85 | 78 - 133 |
| 1,3,5-Trichlorobenzene | 20.0 | 19.14 | | ug/L | | 96 | 77 - 127 |
| 1,1,1-Trichloroethane | 20.0 | 17.81 | | ug/L | | 89 | 83 - 124 |
| 1,1,2-Trichloroethane | 20.0 | 23.59 | | ug/L | | 118 | 84 - 132 |
| Trichloroethene | 20.0 | 18.71 | | ug/L | | 94 | 74 - 118 |
| Trichlorofluoromethane (Freon 11) | 20.0 | 19.97 | | ug/L | | 100 | 82 - 126 |
| 1,2,3-Trichloropropane | 20.0 | 18.78 | | ug/L | | 94 | 77 - 124 |
| 1,2,4-Trimethylbenzene | 20.0 | 17.75 | | ug/L | | 89 | 89 - 126 |
| 1,3,5-Trimethylbenzene | 20.0 | 17.86 | | ug/L | | 89 | 89 - 125 |
| Vinyl chloride | 20.0 | 18.62 | | ug/L | | 93 | 62 - 130 |
| m-Xylene & p-Xylene | 40.0 | 39.42 | | ug/L | | 99 | 85 - 123 |
| o-Xylene | 20.0 | 19.15 | | ug/L | | 96 | 85 - 119 |
| Tetrahydrofuran | 20.0 | 20.45 | | ug/L | | 102 | 60 - 133 |
| Ethyl ether | 20.0 | 19.32 | | ug/L | | 97 | 69 - 122 |
| Tert-amyl methyl ether | 20.0 | 19.74 | | ug/L | | 99 | 50 - 140 |
| Ethyl tert-butyl ether | 20.0 | 18.85 | | ug/L | | 94 | 60 - 131 |
| di-Isopropyl ether | 20.0 | 20.06 | | ug/L | | 100 | 67 - 125 |
| tert-Butanol | 200 | 187.9 | | ug/L | | 94 | 50 - 169 |
| 1,4-Dioxane | 200 | 165.7 | | ug/L | | 83 | 28 - 150 |
| trans-1,4-Dichloro-2-butene | 20.0 | 18.67 | | ug/L | | 93 | 48 - 153 |
| Ethanol | 400 | 404.4 | | ug/L | | 101 | 47 - 170 |

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCS 620-16882/4
Matrix: Water
Analysis Batch: 16882

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

| Surrogate | LCS LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| Toluene-d8 (Surr) | 100 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 88 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 |

Lab Sample ID: LCSD 620-16882/5
Matrix: Water
Analysis Batch: 16882

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 | 19.28 | | ug/L | | 96 | 85 - 124 | 3 | 20 |
| Acetone | 20.0 | 14.86 | | ug/L | | 74 | 14 - 133 | 18 | 20 |
| Acrylonitrile | 20.0 | 21.12 | | ug/L | | 106 | 62 - 134 | 2 | 20 |
| Benzene | 20.0 | 20.34 | | ug/L | | 102 | 86 - 111 | 3 | 20 |
| Bromobenzene | 20.0 | 17.31 | | ug/L | | 87 | 82 - 120 | 6 | 20 |
| Bromochloromethane | 20.0 | 20.22 | | ug/L | | 101 | 83 - 123 | 4 | 20 |
| Bromodichloromethane | 20.0 | 18.53 | | ug/L | | 93 | 83 - 137 | 4 | 20 |
| Bromoform | 20.0 | 16.60 | *- | ug/L | | 83 | 91 - 137 | 7 | 20 |
| Bromomethane | 20.0 | 20.15 | | ug/L | | 101 | 29 - 148 | 6 | 20 |
| 2-Butanone (MEK) | 20.0 | 17.12 | | ug/L | | 86 | 10 - 200 | 17 | 20 |
| n-Butylbenzene | 20.0 | 20.11 | | ug/L | | 101 | 85 - 138 | 5 | 20 |
| sec-Butylbenzene | 20.0 | 15.98 | | ug/L | | 80 | 75 - 118 | 2 | 20 |
| tert-Butylbenzene | 20.0 | 17.81 | | ug/L | | 89 | 85 - 122 | 1 | 20 |
| Carbon disulfide | 20.0 | 19.47 | | ug/L | | 97 | 69 - 150 | 1 | 20 |
| Carbon tetrachloride | 20.0 | 16.96 | | ug/L | | 85 | 84 - 123 | 3 | 20 |
| Chlorobenzene | 20.0 | 20.98 | | ug/L | | 105 | 93 - 115 | 5 | 20 |
| Chloroethane | 20.0 | 19.01 | | ug/L | | 95 | 56 - 155 | 4 | 20 |
| Chloroform | 20.0 | 19.28 | | ug/L | | 96 | 84 - 116 | 1 | 20 |
| Chloromethane | 20.0 | 21.44 | | ug/L | | 107 | 45 - 138 | 2 | 20 |
| 2-Chlorotoluene | 20.0 | 17.57 | | ug/L | | 88 | 88 - 116 | 5 | 20 |
| 4-Chlorotoluene | 20.0 | 17.81 | | ug/L | | 89 | 81 - 128 | 4 | 20 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 16.32 | | ug/L | | 82 | 70 - 139 | 5 | 20 |
| Dibromochloromethane | 20.0 | 18.64 | | ug/L | | 93 | 83 - 132 | 4 | 20 |
| 1,2-Dibromoethane (EDB) | 20.0 | 19.05 | | ug/L | | 95 | 82 - 125 | 4 | 20 |
| Dibromomethane | 20.0 | 19.70 | | ug/L | | 98 | 80 - 125 | 2 | 20 |
| 1,2-Dichlorobenzene | 20.0 | 19.38 | | ug/L | | 97 | 84 - 128 | 7 | 20 |
| 1,3-Dichlorobenzene | 20.0 | 16.28 | *- | ug/L | | 81 | 85 - 120 | 5 | 20 |
| 1,4-Dichlorobenzene | 20.0 | 18.16 | | ug/L | | 91 | 86 - 116 | 6 | 20 |
| Dichlorodifluoromethane (Freon 12) | 20.0 | 14.49 | | ug/L | | 72 | 36 - 131 | 1 | 20 |
| 1,1-Dichloroethane | 20.0 | 20.60 | | ug/L | | 103 | 81 - 120 | 2 | 20 |
| 1,2-Dichloroethane | 20.0 | 17.04 | | ug/L | | 85 | 82 - 116 | 5 | 20 |
| 1,1-Dichloroethene | 20.0 | 20.46 | | ug/L | | 102 | 83 - 120 | 1 | 20 |
| cis-1,2-Dichloroethene | 20.0 | 21.12 | | ug/L | | 106 | 81 - 124 | 1 | 20 |
| trans-1,2-Dichloroethene | 20.0 | 21.72 | | ug/L | | 109 | 81 - 127 | 0 | 20 |
| 1,2-Dichloropropane | 20.0 | 21.60 | | ug/L | | 108 | 76 - 132 | 2 | 20 |
| 1,3-Dichloropropane | 20.0 | 18.90 | | ug/L | | 95 | 74 - 122 | 2 | 20 |
| 2,2-Dichloropropane | 20.0 | 17.71 | | ug/L | | 89 | 77 - 130 | 2 | 20 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCSD 620-16882/5
Matrix: Water
Analysis Batch: 16882

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1,1-Dichloropropene | 20.0 | 18.82 | | ug/L | | 94 | 81 - 115 | 2 | 20 |
| cis-1,3-Dichloropropene | 20.0 | 18.33 | | ug/L | | 92 | 74 - 129 | 3 | 20 |
| trans-1,3-Dichloropropene | 20.0 | 18.23 | | ug/L | | 91 | 78 - 126 | 5 | 20 |
| Ethylbenzene | 20.0 | 19.10 | | ug/L | | 96 | 89 - 117 | 4 | 20 |
| Hexachlorobutadiene | 20.0 | 15.81 | | ug/L | | 79 | 77 - 118 | 3 | 20 |
| 2-Hexanone (MBK) | 20.0 | 16.63 | | ug/L | | 83 | 37 - 123 | 9 | 20 |
| Isopropylbenzene | 20.0 | 17.30 | | ug/L | | 87 | 83 - 117 | 3 | 20 |
| 4-Isopropyltoluene | 20.0 | 17.89 | | ug/L | | 89 | 83 - 124 | 6 | 20 |
| Methyl tert-butyl ether | 20.0 | 17.75 | | ug/L | | 89 | 70 - 126 | 5 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 18.94 | | ug/L | | 95 | 59 - 118 | 7 | 20 |
| Methylene Chloride | 20.0 | 20.69 | | ug/L | | 103 | 75 - 121 | 0 | 20 |
| Naphthalene | 20.0 | 16.97 | | ug/L | | 85 | 67 - 123 | 4 | 20 |
| N-Propylbenzene | 20.0 | 18.41 | | ug/L | | 92 | 84 - 128 | 5 | 20 |
| Styrene | 20.0 | 17.81 | | ug/L | | 89 | 78 - 127 | 6 | 20 |
| 1,1,1,2-Tetrachloroethane | 20.0 | 18.14 | | ug/L | | 91 | 91 - 118 | 3 | 20 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 21.77 | | ug/L | | 109 | 77 - 129 | 7 | 20 |
| Tetrachloroethene | 20.0 | 18.74 | | ug/L | | 94 | 85 - 116 | 0 | 20 |
| Toluene | 20.0 | 19.67 | | ug/L | | 98 | 88 - 109 | 4 | 20 |
| 1,2,3-Trichlorobenzene | 20.0 | 15.89 | | ug/L | | 79 | 67 - 134 | 6 | 20 |
| 1,2,4-Trichlorobenzene | 20.0 | 16.03 | | ug/L | | 80 | 78 - 133 | 6 | 20 |
| 1,3,5-Trichlorobenzene | 20.0 | 18.00 | | ug/L | | 90 | 77 - 127 | 6 | 20 |
| 1,1,1-Trichloroethane | 20.0 | 17.72 | | ug/L | | 89 | 83 - 124 | 0 | 20 |
| 1,1,2-Trichloroethane | 20.0 | 22.87 | | ug/L | | 114 | 84 - 132 | 3 | 20 |
| Trichloroethene | 20.0 | 19.31 | | ug/L | | 97 | 74 - 118 | 3 | 20 |
| Trichlorofluoromethane (Freon 11) | 20.0 | 19.28 | | ug/L | | 96 | 82 - 126 | 4 | 20 |
| 1,2,3-Trichloropropane | 20.0 | 17.71 | | ug/L | | 89 | 77 - 124 | 6 | 20 |
| 1,2,4-Trimethylbenzene | 20.0 | 16.90 | *- | ug/L | | 85 | 89 - 126 | 5 | 20 |
| 1,3,5-Trimethylbenzene | 20.0 | 17.00 | *- | ug/L | | 85 | 89 - 125 | 5 | 20 |
| Vinyl chloride | 20.0 | 18.29 | | ug/L | | 91 | 62 - 130 | 2 | 20 |
| m-Xylene & p-Xylene | 40.0 | 37.74 | | ug/L | | 94 | 85 - 123 | 4 | 20 |
| o-Xylene | 20.0 | 18.51 | | ug/L | | 93 | 85 - 119 | 3 | 20 |
| Tetrahydrofuran | 20.0 | 20.25 | | ug/L | | 101 | 60 - 133 | 1 | 20 |
| Ethyl ether | 20.0 | 18.91 | | ug/L | | 95 | 69 - 122 | 2 | 20 |
| Tert-amyl methyl ether | 20.0 | 19.13 | | ug/L | | 96 | 50 - 140 | 3 | 20 |
| Ethyl tert-butyl ether | 20.0 | 18.18 | | ug/L | | 91 | 60 - 131 | 4 | 20 |
| di-Isopropyl ether | 20.0 | 19.49 | | ug/L | | 97 | 67 - 125 | 3 | 20 |
| tert-Butanol | 200 | 181.4 | | ug/L | | 91 | 50 - 169 | 4 | 20 |
| 1,4-Dioxane | 200 | 163.7 | | ug/L | | 82 | 28 - 150 | 1 | 20 |
| trans-1,4-Dichloro-2-butene | 20.0 | 18.25 | | ug/L | | 91 | 48 - 153 | 2 | 20 |
| Ethanol | 400 | 374.2 | | ug/L | | 94 | 47 - 170 | 8 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 |
| Toluene-d8 (Surr) | 101 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 89 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 98 | | 70 - 130 |

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: MB 410-316936/5
Matrix: Water
Analysis Batch: 316936

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

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|------|---|----------|----------------|---------|
| Chloride | ND | | 1.50 | mg/L | | | 11/11/22 21:12 | 1 |

Lab Sample ID: LCS 410-316936/3
Matrix: Water
Analysis Batch: 316936

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 3.00 | 3.051 | | mg/L | | 102 | 90 - 110 |

Lab Sample ID: LCSD 410-316936/4
Matrix: Water
Analysis Batch: 316936

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

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Chloride | 3.00 | 3.054 | | mg/L | | 102 | 90 - 110 | 0 | 20 |

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-16633/1-A
Matrix: Water
Analysis Batch: 16996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16633

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|---------|------|---|----------------|----------------|---------|
| Arsenic | ND | | 0.00800 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Cadmium | ND | | 0.00500 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Copper | ND | ^3+ | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Iron | ND | ^3+ | 0.100 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Lead | ND | | 0.0150 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Manganese | ND | ^3+ | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Nickel | ND | | 0.0100 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Sodium | ND | | 1.50 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |
| Zinc | ND | ^3- | 0.0500 | mg/L | | 10/24/22 16:08 | 11/03/22 14:41 | 1 |

Lab Sample ID: LCS 620-16633/2-A
Matrix: Water
Analysis Batch: 16996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16633

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Arsenic | 2.50 | 2.765 | | mg/L | | 111 | 80 - 120 |
| Cadmium | 2.50 | 2.662 | | mg/L | | 106 | 80 - 120 |
| Chromium | 2.50 | 2.687 | | mg/L | | 107 | 80 - 120 |
| Copper | 2.50 | 2.778 | ^3+ | mg/L | | 111 | 80 - 120 |
| Iron | 2.50 | 2.799 | ^3+ | mg/L | | 112 | 80 - 120 |
| Lead | 2.50 | 2.640 | | mg/L | | 106 | 80 - 120 |
| Manganese | 2.50 | 2.838 | ^3+ | mg/L | | 114 | 80 - 120 |
| Nickel | 2.50 | 2.623 | | mg/L | | 105 | 80 - 120 |
| Sodium | 12.5 | 13.36 | | mg/L | | 107 | 80 - 120 |
| Zinc | 2.50 | 2.665 | ^3- | mg/L | | 107 | 80 - 120 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCSD 620-16633/3-A
Matrix: Water
Analysis Batch: 16996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16633

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|-----------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| Arsenic | 2.50 | 2.790 | | mg/L | | 112 | 80 - 120 | 1 | 20 | |
| Cadmium | 2.50 | 2.686 | | mg/L | | 107 | 80 - 120 | 1 | 20 | |
| Chromium | 2.50 | 2.719 | | mg/L | | 109 | 80 - 120 | 1 | 20 | |
| Copper | 2.50 | 2.807 | ^3+ | mg/L | | 112 | 80 - 120 | 1 | 20 | |
| Iron | 2.50 | 2.836 | ^3+ | mg/L | | 113 | 80 - 120 | 1 | 20 | |
| Lead | 2.50 | 2.666 | | mg/L | | 107 | 80 - 120 | 1 | 20 | |
| Manganese | 2.50 | 2.866 | ^3+ | mg/L | | 115 | 80 - 120 | 1 | 20 | |
| Nickel | 2.50 | 2.650 | | mg/L | | 106 | 80 - 120 | 1 | 20 | |
| Sodium | 12.5 | 13.55 | | mg/L | | 108 | 80 - 120 | 1 | 20 | |
| Zinc | 2.50 | 2.696 | ^3- | mg/L | | 108 | 80 - 120 | 1 | 20 | |

Lab Sample ID: MB 620-16676/1-A
Matrix: Water
Analysis Batch: 16387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16676

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil | Fac |
|-----------|-----------|--------------|---------|------|---|----------------|----------------|-----|-----|
| | | | | | | | | | |
| Cadmium | ND | ^3+ | 0.00500 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Chromium | ND | | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Copper | ND | | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Iron | ND | | 0.100 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Lead | ND | | 0.0150 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Manganese | ND | ^3+ | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Nickel | ND | | 0.0100 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Sodium | ND | | 1.50 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |
| Zinc | ND | ^3+ | 0.0500 | mg/L | | 10/25/22 15:57 | 10/26/22 11:25 | 1 | |

Lab Sample ID: LCS 620-16676/2-A
Matrix: Water
Analysis Batch: 16387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16676

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec | |
|-----------|-------------|------------|---------------|------|---|------|----------|-----|
| | | | | | | | Limits | RPD |
| Arsenic | 2.50 | 2.767 | | mg/L | | 111 | 80 - 120 | |
| Cadmium | 2.50 | 2.806 | ^3+ | mg/L | | 112 | 80 - 120 | |
| Chromium | 2.50 | 2.586 | | mg/L | | 103 | 80 - 120 | |
| Copper | 2.50 | 2.735 | | mg/L | | 109 | 80 - 120 | |
| Iron | 2.50 | 2.727 | | mg/L | | 109 | 80 - 120 | |
| Lead | 2.50 | 2.715 | | mg/L | | 109 | 80 - 120 | |
| Manganese | 2.50 | 2.761 | ^3+ | mg/L | | 110 | 80 - 120 | |
| Nickel | 2.50 | 2.650 | | mg/L | | 106 | 80 - 120 | |
| Sodium | 12.5 | 13.18 | | mg/L | | 105 | 80 - 120 | |
| Zinc | 2.50 | 2.661 | ^3+ | mg/L | | 106 | 80 - 120 | |

Lab Sample ID: LCSD 620-16676/3-A
Matrix: Water
Analysis Batch: 16387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16676

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| Arsenic | 2.50 | 2.804 | | mg/L | | 112 | 80 - 120 | 1 | 20 | |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCSD 620-16676/3-A
Matrix: Water
Analysis Batch: 16387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16676

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Cadmium | 2.50 | 2.855 | ^3+ | mg/L | | 114 | 80 - 120 | 2 | 20 |
| Chromium | 2.50 | 2.636 | | mg/L | | 105 | 80 - 120 | 2 | 20 |
| Copper | 2.50 | 2.780 | | mg/L | | 111 | 80 - 120 | 2 | 20 |
| Iron | 2.50 | 2.738 | | mg/L | | 110 | 80 - 120 | 0 | 20 |
| Lead | 2.50 | 2.759 | | mg/L | | 110 | 80 - 120 | 2 | 20 |
| Manganese | 2.50 | 2.814 | ^3+ | mg/L | | 113 | 80 - 120 | 2 | 20 |
| Nickel | 2.50 | 2.695 | | mg/L | | 108 | 80 - 120 | 2 | 20 |
| Sodium | 12.5 | 13.31 | | mg/L | | 106 | 80 - 120 | 1 | 20 |
| Zinc | 2.50 | 2.713 | ^3+ | mg/L | | 109 | 80 - 120 | 2 | 20 |

Lab Sample ID: MB 620-16722/1-A
Matrix: Water
Analysis Batch: 16800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16722

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|---------|------|---|----------------|----------------|---------|
| Arsenic | ND | | 0.00400 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Cadmium | ND | | 0.00250 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Chromium | ND | | 0.00500 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Copper | ND | | 0.00500 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Iron | ND | ^3- | 0.0500 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Manganese | ND | ^3+ | 0.00500 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Nickel | ND | | 0.00500 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Sodium | ND | | 0.750 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |
| Zinc | ND | ^3+ | 0.0250 | mg/L | | 10/26/22 15:18 | 10/27/22 15:45 | 1 |

Lab Sample ID: MB 620-16722/1-A
Matrix: Water
Analysis Batch: 16848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16722

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|------|---|----------------|----------------|---------|
| Iron | ND | | 0.0500 | mg/L | | 10/26/22 15:18 | 10/31/22 11:33 | 1 |
| Lead | ND | | 0.00750 | mg/L | | 10/26/22 15:18 | 10/31/22 11:33 | 1 |

Lab Sample ID: LCS 620-16722/2-A
Matrix: Water
Analysis Batch: 16800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16722

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Arsenic | 1.25 | 1.285 | | mg/L | | 103 | 80 - 120 |
| Cadmium | 1.25 | 1.245 | | mg/L | | 100 | 80 - 120 |
| Chromium | 1.25 | 1.208 | | mg/L | | 97 | 80 - 120 |
| Copper | 1.25 | 1.416 | | mg/L | | 113 | 80 - 120 |
| Iron | 1.25 | 1.279 | ^3- | mg/L | | 102 | 80 - 120 |
| Manganese | 1.25 | 1.308 | ^3+ | mg/L | | 105 | 80 - 120 |
| Nickel | 1.25 | 1.263 | | mg/L | | 101 | 80 - 120 |
| Sodium | 6.25 | 6.295 | | mg/L | | 101 | 80 - 120 |
| Zinc | 1.25 | 1.245 | ^3+ | mg/L | | 100 | 80 - 120 |

QC Sample Results

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

Job ID: 620-7783-1

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

Lab Sample ID: LCS 620-16722/2-A
Matrix: Water
Analysis Batch: 16848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16722

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Iron | 1.25 | 1.456 | | mg/L | | 116 | 80 - 120 |
| Lead | 1.25 | 1.482 | | mg/L | | 119 | 80 - 120 |

Lab Sample ID: LCSD 620-16722/3-A
Matrix: Water
Analysis Batch: 16800

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16722

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Arsenic | 1.25 | 1.295 | | mg/L | | 104 | 80 - 120 | 1 | 20 |
| Cadmium | 1.25 | 1.246 | | mg/L | | 100 | 80 - 120 | 0 | 20 |
| Chromium | 1.25 | 1.227 | | mg/L | | 98 | 80 - 120 | 2 | 20 |
| Copper | 1.25 | 1.326 | | mg/L | | 106 | 80 - 120 | 7 | 20 |
| Iron | 1.25 | 1.278 | ^3- | mg/L | | 102 | 80 - 120 | 0 | 20 |
| Manganese | 1.25 | 1.328 | ^3+ | mg/L | | 106 | 80 - 120 | 1 | 20 |
| Nickel | 1.25 | 1.249 | | mg/L | | 100 | 80 - 120 | 1 | 20 |
| Sodium | 6.25 | 6.385 | | mg/L | | 102 | 80 - 120 | 1 | 20 |
| Zinc | 1.25 | 1.255 | ^3+ | mg/L | | 100 | 80 - 120 | 1 | 20 |

Lab Sample ID: LCSD 620-16722/3-A
Matrix: Water
Analysis Batch: 16848

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16722

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Iron | 1.25 | 1.391 | | mg/L | | 111 | 80 - 120 | 5 | 20 |
| Lead | 1.25 | 1.481 | | mg/L | | 118 | 80 - 120 | 0 | 20 |

Lab Sample ID: MB 620-17034/1-A
Matrix: Water
Analysis Batch: 17066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17034

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|------|---|----------------|----------------|---------|
| Iron | ND | | 0.100 | mg/L | | 11/03/22 16:04 | 11/04/22 19:51 | 1 |

Lab Sample ID: LCS 620-17034/2-A
Matrix: Water
Analysis Batch: 17066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17034

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Iron | 2.50 | 2.519 | | mg/L | | 101 | 80 - 120 |

Lab Sample ID: LCSD 620-17034/3-A
Matrix: Water
Analysis Batch: 17066

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17034

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Iron | 2.50 | 2.513 | | mg/L | | 101 | 80 - 120 | 0 | 20 |

QC Sample Results

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

Job ID: 620-7783-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 620-16746/1-A
Matrix: Water
Analysis Batch: 16824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16746

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|----------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.000200 | mg/L | | 10/27/22 09:40 | 10/28/22 13:02 | 1 |

Lab Sample ID: LCS 620-16746/2-A
Matrix: Water
Analysis Batch: 16824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16746

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 0.00500 | 0.004365 | | mg/L | | 87 | 85 - 115 |

Lab Sample ID: LCSD 620-16746/3-A
Matrix: Water
Analysis Batch: 16824

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16746

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Mercury | 0.00500 | 0.004342 | | mg/L | | 87 | 85 - 115 | 1 | 20 |

Method: 410.4 - COD

Lab Sample ID: MB 410-310243/4
Matrix: Water
Analysis Batch: 310243

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 | | | 10/25/22 09:10 | 1 |

Lab Sample ID: LCS 410-310243/5
Matrix: Water
Analysis Batch: 310243

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 | 498.7 | | mg/L | | 100 | 94 - 110 |

Lab Sample ID: 620-7783-3 MS
Matrix: Water
Analysis Batch: 310243

Client Sample ID: MW-2S-FD
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 | 391.3 | | mg/L | | 98 | 94 - 110 |

Lab Sample ID: 620-7783-3 DU
Matrix: Water
Analysis Batch: 310243

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

| Analyte | Sample Result | Sample Qualifier | 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: 620-7783-1

GC/MS VOA

Analysis Batch: 16882

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 8260C | |
| 620-7783-2 | MW-3S | Total/NA | Water | 8260C | |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 8260C | |
| 620-7783-4 | MW-3D | Total/NA | Water | 8260C | |
| 620-7783-5 | MW-4S | Total/NA | Water | 8260C | |
| 620-7783-6 | MW-4D | Total/NA | Water | 8260C | |
| 620-7783-18 | MW-2D | Total/NA | Water | 8260C | |
| 620-7783-19 | Trip Blank | Total/NA | Water | 8260C | |
| MB 620-16882/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 620-16882/4 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 620-16882/5 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

Analysis Batch: 310195

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|---------------------------------|-----------|----------------|--------|------------|
| 620-7783-7 | 907 Beecher-INF | Total/NA | Drinking Water | 524.2 | |
| 620-7783-8 | 907 Beecher Hill-INF-FD | Total/NA | Drinking Water | 524.2 | |
| 620-7783-9 | 152 Forest Edge-INF | Total/NA | Drinking Water | 524.2 | |
| 620-7783-10 | 907 Beecher Hill-MID | Total/NA | Drinking Water | 524.2 | |
| 620-7783-11 | 907 Beecher Hill-EFF | Total/NA | Drinking Water | 524.2 | |
| 620-7783-12 | 152 Forest Edge-MID | Total/NA | Drinking Water | 524.2 | |
| 620-7783-13 | 152 Forest Edge-EFF | Total/NA | Drinking Water | 524.2 | |
| 620-7783-14 | 56 Forest Edge/685 Beecher Hill | Total/NA | Drinking Water | 524.2 | |
| MB 410-310195/7 | Method Blank | Total/NA | Drinking Water | 524.2 | |
| LCS 410-310195/5 | Lab Control Sample | Total/NA | Drinking Water | 524.2 | |

HPLC/IC

Analysis Batch: 316936

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-7783-2 | MW-3S | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-7783-4 | MW-3D | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-7783-5 | MW-4S | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-7783-6 | MW-4D | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-7783-18 | MW-2D | Total/NA | Water | EPA 300.0 R2.1 | |
| MB 410-316936/5 | Method Blank | Total/NA | Water | EPA 300.0 R2.1 | |
| LCS 410-316936/3 | Lab Control Sample | Total/NA | Water | EPA 300.0 R2.1 | |
| LCSD 410-316936/4 | Lab Control Sample Dup | Total/NA | Water | EPA 300.0 R2.1 | |

Metals

Analysis Batch: 16387

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-4 | MW-3D | Total/NA | Water | 6010D | 16676 |
| MB 620-16676/1-A | Method Blank | Total/NA | Water | 6010D | 16676 |
| LCS 620-16676/2-A | Lab Control Sample | Total/NA | Water | 6010D | 16676 |
| LCSD 620-16676/3-A | Lab Control Sample Dup | Total/NA | Water | 6010D | 16676 |

Prep Batch: 16633

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 3005A | |

Eurofins New England

QC Association Summary

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

Job ID: 620-7783-1

Metals (Continued)

Prep Batch: 16633 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-2 | MW-3S | Total/NA | Water | 3005A | |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 3005A | |
| 620-7783-5 | MW-4S | Total/NA | Water | 3005A | |
| 620-7783-18 | MW-2D | Total/NA | Water | 3005A | |
| MB 620-16633/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 620-16633/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| LCSD 620-16633/3-A | Lab Control Sample Dup | Total/NA | Water | 3005A | |

Prep Batch: 16676

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-4 | MW-3D | Total/NA | Water | 3005A | |
| MB 620-16676/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 620-16676/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| LCSD 620-16676/3-A | Lab Control Sample Dup | Total/NA | Water | 3005A | |

Prep Batch: 16722

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-6 | MW-4D | Total/NA | Water | 3005A | |
| MB 620-16722/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 620-16722/24-A | Lab Control Sample | Total/NA | Water | 3005A | |
| LCS 620-16722/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| LCSD 620-16722/3-A | Lab Control Sample Dup | Total/NA | Water | 3005A | |

Prep Batch: 16746

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 7470A | |
| 620-7783-2 | MW-3S | Total/NA | Water | 7470A | |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 7470A | |
| 620-7783-4 | MW-3D | Total/NA | Water | 7470A | |
| 620-7783-5 | MW-4S | Total/NA | Water | 7470A | |
| 620-7783-6 | MW-4D | Total/NA | Water | 7470A | |
| 620-7783-18 | MW-2D | Total/NA | Water | 7470A | |
| MB 620-16746/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 620-16746/2-A | Lab Control Sample | Total/NA | Water | 7470A | |
| LCSD 620-16746/3-A | Lab Control Sample Dup | Total/NA | Water | 7470A | |

Analysis Batch: 16800

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-6 | MW-4D | Total/NA | Water | 6010D | 16722 |
| MB 620-16722/1-A | Method Blank | Total/NA | Water | 6010D | 16722 |
| LCS 620-16722/24-A | Lab Control Sample | Total/NA | Water | 6010D | 16722 |
| LCS 620-16722/2-A | Lab Control Sample | Total/NA | Water | 6010D | 16722 |
| LCSD 620-16722/3-A | Lab Control Sample Dup | Total/NA | Water | 6010D | 16722 |

Analysis Batch: 16824

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 7470A | 16746 |
| 620-7783-2 | MW-3S | Total/NA | Water | 7470A | 16746 |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 7470A | 16746 |
| 620-7783-4 | MW-3D | Total/NA | Water | 7470A | 16746 |
| 620-7783-5 | MW-4S | Total/NA | Water | 7470A | 16746 |

Eurofins New England

QC Association Summary

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

Job ID: 620-7783-1

Metals (Continued)

Analysis Batch: 16824 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-6 | MW-4D | Total/NA | Water | 7470A | 16746 |
| 620-7783-18 | MW-2D | Total/NA | Water | 7470A | 16746 |
| MB 620-16746/1-A | Method Blank | Total/NA | Water | 7470A | 16746 |
| LCS 620-16746/2-A | Lab Control Sample | Total/NA | Water | 7470A | 16746 |
| LCSD 620-16746/3-A | Lab Control Sample Dup | Total/NA | Water | 7470A | 16746 |

Analysis Batch: 16848

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-6 | MW-4D | Total/NA | Water | 6010D | 16722 |
| MB 620-16722/1-A | Method Blank | Total/NA | Water | 6010D | 16722 |
| LCS 620-16722/2-A | Lab Control Sample | Total/NA | Water | 6010D | 16722 |
| LCSD 620-16722/3-A | Lab Control Sample Dup | Total/NA | Water | 6010D | 16722 |

Analysis Batch: 16996

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 6010D | 16633 |
| 620-7783-2 | MW-3S | Total/NA | Water | 6010D | 16633 |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 6010D | 16633 |
| 620-7783-5 | MW-4S | Total/NA | Water | 6010D | 16633 |
| 620-7783-18 | MW-2D | Total/NA | Water | 6010D | 16633 |
| MB 620-16633/1-A | Method Blank | Total/NA | Water | 6010D | 16633 |
| LCS 620-16633/2-A | Lab Control Sample | Total/NA | Water | 6010D | 16633 |
| LCSD 620-16633/3-A | Lab Control Sample Dup | Total/NA | Water | 6010D | 16633 |

Prep Batch: 17034

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 3005A | |
| 620-7783-2 | MW-3S | Total/NA | Water | 3005A | |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 3005A | |
| 620-7783-5 | MW-4S | Total/NA | Water | 3005A | |
| 620-7783-18 | MW-2D | Total/NA | Water | 3005A | |
| MB 620-17034/1-A | Method Blank | Total/NA | Water | 3005A | |
| LCS 620-17034/2-A | Lab Control Sample | Total/NA | Water | 3005A | |
| LCSD 620-17034/3-A | Lab Control Sample Dup | Total/NA | Water | 3005A | |

Analysis Batch: 17066

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 6010D | 17034 |
| 620-7783-2 | MW-3S | Total/NA | Water | 6010D | 17034 |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 6010D | 17034 |
| 620-7783-5 | MW-4S | Total/NA | Water | 6010D | 17034 |
| 620-7783-18 | MW-2D | Total/NA | Water | 6010D | 17034 |
| MB 620-17034/1-A | Method Blank | Total/NA | Water | 6010D | 17034 |
| LCS 620-17034/2-A | Lab Control Sample | Total/NA | Water | 6010D | 17034 |
| LCSD 620-17034/3-A | Lab Control Sample Dup | Total/NA | Water | 6010D | 17034 |

General Chemistry

Analysis Batch: 310243

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 410.4 | |

Eurofins New England

QC Association Summary

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

Job ID: 620-7783-1

General Chemistry (Continued)

Analysis Batch: 310243 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 620-7783-2 | MW-3S | Total/NA | Water | 410.4 | |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 410.4 | |
| 620-7783-4 | MW-3D | Total/NA | Water | 410.4 | |
| 620-7783-5 | MW-4S | Total/NA | Water | 410.4 | |
| 620-7783-6 | MW-4D | Total/NA | Water | 410.4 | |
| 620-7783-18 | MW-2D | Total/NA | Water | 410.4 | |
| MB 410-310243/4 | Method Blank | Total/NA | Water | 410.4 | |
| LCS 410-310243/5 | Lab Control Sample | Total/NA | Water | 410.4 | |
| 620-7783-3 MS | MW-2S-FD | Total/NA | Water | 410.4 | |
| 620-7783-3 DU | MW-2S-FD | Total/NA | Water | 410.4 | |

Lab Chronicle

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

Job ID: 620-7783-1

Client Sample ID: MW-2S

Lab Sample ID: 620-7783-1

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 13:27 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 5 | 316936 | W3XT | ELLE | 11/11/22 22:55 |
| Total/NA | Prep | 3005A | | | 16633 | DWC | EET NE | 10/24/22 16:08 |
| Total/NA | Analysis | 6010D | | 1 | 16996 | CAJ | EET NE | 11/03/22 21:37 |
| Total/NA | Prep | 3005A | | | 17034 | DWC | EET NE | 11/03/22 16:04 |
| Total/NA | Analysis | 6010D | | 1 | 17066 | CAJ | EET NE | 11/04/22 20:18 |
| Total/NA | Prep | 7470A | | | 16746 | DWC | EET NE | 10/27/22 09:40 |
| Total/NA | Analysis | 7470A | | 1 | 16824 | CAJ | EET NE | 10/28/22 13:38 |
| Total/NA | Analysis | 410.4 | | 1 | 310243 | USAE | ELLE | 10/25/22 10:03 |

Client Sample ID: MW-3S

Lab Sample ID: 620-7783-2

Date Collected: 10/19/22 12:12

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 13:52 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 10 | 316936 | W3XT | ELLE | 11/11/22 23:30 |
| Total/NA | Prep | 3005A | | | 16633 | DWC | EET NE | 10/24/22 16:08 |
| Total/NA | Analysis | 6010D | | 1 | 16996 | CAJ | EET NE | 11/03/22 21:44 |
| Total/NA | Prep | 3005A | | | 17034 | DWC | EET NE | 11/03/22 16:04 |
| Total/NA | Analysis | 6010D | | 1 | 17066 | CAJ | EET NE | 11/04/22 20:25 |
| Total/NA | Prep | 7470A | | | 16746 | DWC | EET NE | 10/27/22 09:40 |
| Total/NA | Analysis | 7470A | | 1 | 16824 | CAJ | EET NE | 10/28/22 13:40 |
| Total/NA | Analysis | 410.4 | | 1 | 310243 | USAE | ELLE | 10/25/22 10:04 |

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 14:16 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 5 | 316936 | W3XT | ELLE | 11/11/22 23:55 |
| Total/NA | Prep | 3005A | | | 16633 | DWC | EET NE | 10/24/22 16:08 |
| Total/NA | Analysis | 6010D | | 1 | 16996 | CAJ | EET NE | 11/03/22 21:50 |
| Total/NA | Prep | 3005A | | | 17034 | DWC | EET NE | 11/03/22 16:04 |
| Total/NA | Analysis | 6010D | | 1 | 17066 | CAJ | EET NE | 11/04/22 20:31 |
| Total/NA | Prep | 7470A | | | 16746 | DWC | EET NE | 10/27/22 09:40 |
| Total/NA | Analysis | 7470A | | 1 | 16824 | CAJ | EET NE | 10/28/22 13:42 |
| Total/NA | Analysis | 410.4 | | 1 | 310243 | USAE | ELLE | 10/25/22 10:09 |

Lab Chronicle

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

Job ID: 620-7783-1

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

Date Collected: 10/19/22 13:44

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 14:41 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 10 | 316936 | W3XT | ELLE | 11/11/22 23:47 |
| Total/NA | Prep | 3005A | | | 16676 | DWC | EET NE | 10/25/22 15:57 |
| Total/NA | Analysis | 6010D | | 1 | 16387 | CAJ | EET NE | 10/26/22 13:08 |
| Total/NA | Prep | 7470A | | | 16746 | DWC | EET NE | 10/27/22 09:40 |
| Total/NA | Analysis | 7470A | | 1 | 16824 | CAJ | EET NE | 10/28/22 13:48 |
| Total/NA | Analysis | 410.4 | | 1 | 310243 | USAE | ELLE | 10/25/22 10:19 |

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

Date Collected: 10/19/22 16:03

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 15:07 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 5 | 316936 | W3XT | ELLE | 11/11/22 22:38 |
| Total/NA | Prep | 3005A | | | 16633 | DWC | EET NE | 10/24/22 16:08 |
| Total/NA | Analysis | 6010D | | 1 | 16996 | CAJ | EET NE | 11/03/22 21:57 |
| Total/NA | Prep | 3005A | | | 17034 | DWC | EET NE | 11/03/22 16:04 |
| Total/NA | Analysis | 6010D | | 1 | 17066 | CAJ | EET NE | 11/04/22 20:38 |
| Total/NA | Prep | 7470A | | | 16746 | DWC | EET NE | 10/27/22 09:40 |
| Total/NA | Analysis | 7470A | | 1 | 16824 | CAJ | EET NE | 10/28/22 13:50 |
| Total/NA | Analysis | 410.4 | | 1 | 310243 | USAE | ELLE | 10/25/22 10:22 |

Client Sample ID: MW-4D

Lab Sample ID: 620-7783-6

Date Collected: 10/19/22 14:05

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 15:32 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 5 | 316936 | W3XT | ELLE | 11/11/22 22:21 |
| Total/NA | Prep | 3005A | | | 16722 | DWC | EET NE | 10/26/22 17:00 |
| Total/NA | Analysis | 6010D | | 1 | 16800 | CAJ | EET NE | 10/27/22 19:55 |
| Total/NA | Prep | 3005A | | | 16722 | DWC | EET NE | 10/26/22 17:00 |
| Total/NA | Analysis | 6010D | | 1 | 16848 | CAJ | EET NE | 10/31/22 13:32 |
| Total/NA | Prep | 7470A | | | 16746 | DWC | EET NE | 10/27/22 09:40 |
| Total/NA | Analysis | 7470A | | 1 | 16824 | CAJ | EET NE | 10/28/22 13:52 |
| Total/NA | Analysis | 410.4 | | 1 | 310243 | USAE | ELLE | 10/25/22 10:32 |

Client Sample ID: 907 Beecher-INF

Lab Sample ID: 620-7783-7

Date Collected: 10/20/22 09:22

Matrix: Drinking Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 19:30 |

Eurofins New England

Lab Chronicle

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

Job ID: 620-7783-1

Client Sample ID: 907 Beecher Hill-INF-FD
Date Collected: 10/20/22 09:22
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-8
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 19:52 |

Client Sample ID: 152 Forest Edge-INF
Date Collected: 10/20/22 10:20
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-9
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 20:15 |

Client Sample ID: 907 Beecher Hill-MID
Date Collected: 10/20/22 09:41
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-10
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 20:38 |

Client Sample ID: 907 Beecher Hill-EFF
Date Collected: 10/20/22 09:37
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-11
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 21:01 |

Client Sample ID: 152 Forest Edge-MID
Date Collected: 10/20/22 10:16
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-12
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 21:24 |

Client Sample ID: 152 Forest Edge-EFF
Date Collected: 10/20/22 10:10
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-13
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 21:47 |

Client Sample ID: 56 Forest Edge/685 Beecher Hill
Date Collected: 10/20/22 10:50
Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-14
Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 310195 | UJML | ELLE | 10/25/22 22:10 |

Lab Chronicle

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

Job ID: 620-7783-1

Client Sample ID: MW-2D

Lab Sample ID: 620-7783-18

Date Collected: 10/20/22 14:08

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 15:57 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 5 | 316936 | W3XT | ELLE | 11/11/22 22:29 |
| Total/NA | Prep | 3005A | | | 16633 | DWC | EET NE | 10/24/22 16:08 |
| Total/NA | Analysis | 6010D | | 1 | 16996 | CAJ | EET NE | 11/03/22 21:30 |
| Total/NA | Prep | 3005A | | | 17034 | DWC | EET NE | 11/03/22 16:04 |
| Total/NA | Analysis | 6010D | | 1 | 17066 | CAJ | EET NE | 11/04/22 20:11 |
| Total/NA | Prep | 7470A | | | 16746 | DWC | EET NE | 10/27/22 09:40 |
| Total/NA | Analysis | 7470A | | 1 | 16824 | CAJ | EET NE | 10/28/22 13:54 |
| Total/NA | Analysis | 410.4 | | 1 | 310243 | USAE | ELLE | 10/25/22 10:35 |

Client Sample ID: Trip Blank

Lab Sample ID: 620-7783-19

Date Collected: 10/19/22 00:00

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 16882 | CLR | EET NE | 11/01/22 13:02 |

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 620-7783-1

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 | 06-30-23 |
| New Hampshire | NELAP | 2240 | 08-03-23 |
| New Jersey | NELAP | RI008 | 06-30-23 |
| 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 | 10-28-23 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|----------------|-----------------------------|
| 410.4 | | Water | Chemical Oxygen Demand |
| 524.2 | | Drinking Water | 1,2-Dibromo-3-Chloropropane |
| 524.2 | | Drinking Water | 1,2-Dibromoethane |
| 524.2 | | Drinking Water | 2-Butanone |
| 524.2 | | Drinking Water | 2-Hexanone |
| 524.2 | | Drinking Water | 4-Methyl-2-pentanone |
| 524.2 | | Drinking Water | Acetone |
| 524.2 | | Drinking Water | Acrylonitrile |
| 524.2 | | Drinking Water | Carbon disulfide |
| 524.2 | | Drinking Water | di-Isopropyl ether |
| 524.2 | | Drinking Water | Ethyl ether |
| 524.2 | | Drinking Water | Ethyl t-butyl ether |
| 524.2 | | Drinking Water | Freon 113 |
| 524.2 | | Drinking Water | m&p-Xylene |
| 524.2 | | Drinking Water | o-Xylene |
| 524.2 | | Drinking Water | t-Amyl methyl ether |
| 524.2 | | Drinking Water | t-Butyl alcohol |
| 524.2 | | Drinking Water | Tetrahydrofuran |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

Job ID: 620-7783-1

| Method | Method Description | Protocol | Laboratory |
|----------------|-------------------------------------|----------|------------|
| 524.2 | Volatile Organic Compounds (GC/MS) | EPA-DW | ELLE |
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | EET NE |
| EPA 300.0 R2.1 | Anions, Ion Chromatography | EPA | ELLE |
| 6010D | Metals (ICP) | SW846 | EET NE |
| 7470A | Mercury (CVAA) | SW846 | EET NE |
| 410.4 | COD | MCAWW | ELLE |
| 3005A | Preparation, Total Metals | SW846 | EET NE |
| 5030C | Purge and Trap | SW846 | EET NE |
| 7470A | Preparation, Mercury | SW846 | EET NE |

Protocol References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

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:

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

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

Sample Summary

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

Job ID: 620-7783-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|---------------------------------|----------------|----------------|----------------|
| 620-7783-1 | MW-2S | Water | 10/19/22 12:30 | 10/21/22 09:10 |
| 620-7783-2 | MW-3S | Water | 10/19/22 12:12 | 10/21/22 09:10 |
| 620-7783-3 | MW-2S-FD | Water | 10/19/22 12:30 | 10/21/22 09:10 |
| 620-7783-4 | MW-3D | Water | 10/19/22 13:44 | 10/21/22 09:10 |
| 620-7783-5 | MW-4S | Water | 10/19/22 16:03 | 10/21/22 09:10 |
| 620-7783-6 | MW-4D | Water | 10/19/22 14:05 | 10/21/22 09:10 |
| 620-7783-7 | 907 Beecher-INF | Drinking Water | 10/20/22 09:22 | 10/21/22 09:10 |
| 620-7783-8 | 907 Beecher Hill-INF-FD | Drinking Water | 10/20/22 09:22 | 10/21/22 09:10 |
| 620-7783-9 | 152 Forest Edge-INF | Drinking Water | 10/20/22 10:20 | 10/21/22 09:10 |
| 620-7783-10 | 907 Beecher Hill-MID | Drinking Water | 10/20/22 09:41 | 10/21/22 09:10 |
| 620-7783-11 | 907 Beecher Hill-EFF | Drinking Water | 10/20/22 09:37 | 10/21/22 09:10 |
| 620-7783-12 | 152 Forest Edge-MID | Drinking Water | 10/20/22 10:16 | 10/21/22 09:10 |
| 620-7783-13 | 152 Forest Edge-EFF | Drinking Water | 10/20/22 10:10 | 10/21/22 09:10 |
| 620-7783-14 | 56 Forest Edge/685 Beecher Hill | Drinking Water | 10/20/22 10:50 | 10/21/22 09:10 |
| 620-7783-18 | MW-2D | Water | 10/20/22 14:08 | 10/21/22 09:10 |
| 620-7783-19 | Trip Blank | Water | 10/19/22 00:00 | 10/21/22 09:10 |

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7783

Chain of Custody Record

620-7783 Chain of Custody

Client Contact: Ms. Katrina Mattice
Company: Stone Environmental
Address: 535 Stone Cutters Way
City: Montpelier
State Zip: VT 05602
Phone: [blank]
Email: kmattice@stone-env.com
Project Name: Hinesburg LF 20211205
Site: [blank]

Sampler: SLW / BEC
Lab PM: [blank]
Carrier Tracking No(s): 620-6261-829 1
State of Origin: [blank]
Page: 4 of 7
Job #: 102

Due Date Requested: [blank]
TAT Requested (days): standard
Compliance Project: Yes No
PO #: [blank]
WO #: [blank]
Project #: [blank]
SSOW#: [blank]

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (We-ster, Se-ssolid, O-w-ster, A-ol, B-T-tissue, A-ol) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Analysis Requested | Total Number of Containers | Special Instructions/Note: |
|-----------------------------|-------------|-------------|------------------------------|---|-----------------------------------|----------------------------|--|----------------------------|----------------------------|
| MW-25 | 10/19/22 | 1230 | G | G Water | X | X | CD 410.4 VOCs 8268 Na+Cl 6010/6020 4500-CL- Total Metals 6010/6020 7470 PEAS 537.1 VOCs 524.2 PEAS 537.1 | 8 | |
| MW-35 | | 1212 | | G Water | | | | 9 | |
| MW-25-F0 | | 1230 | | G Water | | | | 8 | |
| MW-30 | | 1344 | | G Water | | | | 9 | |
| MW-45 | | 1603 | | G Water | | | | 9 | |
| MW-40 | | 1405 | | G Water | | | | 8 | |
| 907 Beecher Hill - INF | 10/20/22 | 0922 | | D Water | | | | 5 | |
| 907 Beecher Hill - INF - F0 | | 0922 | | D Water | | | | 5 | |
| 152 Forest Edge - INF | | 1020 | | D Water | | | | 5 | |
| 907 Beecher Hill - MID | | 1016041 | | D Water | | | | 5 | |
| 907 Beecher Hill - EFF | | 1016 | | D Water | | | | 5 | |

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

Deliverable Requested: I, III, IV, Other (specify) PPF and Equis EDD

Empty Kit Relinquished by: [blank] Date: [blank]

Relinquished by: [blank] Date/Time: 10/20/22 16:19 Company: [blank]

Relinquished by: [blank] Date/Time: [blank] Company: [blank]

Relinquished by: [blank] Date/Time: [blank] Company: [blank]

Custody Seals Intact: Yes No Custody Seal No

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

Special Instructions/QC Requirements: [blank]

Method of Shipment: [blank]

Received by: [signature] Date/Time: 10/20/22 16:20 Company: TRS
 Received by: [signature] Date/Time: 02/10/22 910 Company: LNC
 Received by: [signature] Date/Time: [blank] Company: [blank]

Cooler Temperature(s) °C and Other Remarks: 0 8/10/16/4C 5 26/70/13.3C
 20 2/10/16 16



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Part # 159469-434 MTW EXP 0123 •

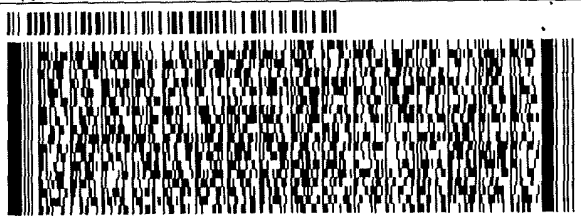
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 SAMPLE RECEIVING
 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 20OCT22
 ACTWGT: 43.55 LB MAN
 CAD: 000890364/CAFE3616
 DIMS: 24x14x16 IN
 BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

(413) 789-9018 REF: INU: DEPT: PO:

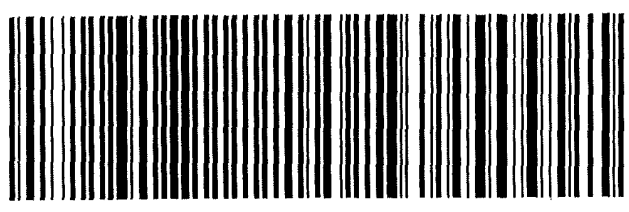


1 of 3
 TRK# 6074 1984 8886
 ## MASTER ##

FRI - 21 OCT 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
 RI-US **PVD**



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Part # 159469-434 M/TW EXP-0723

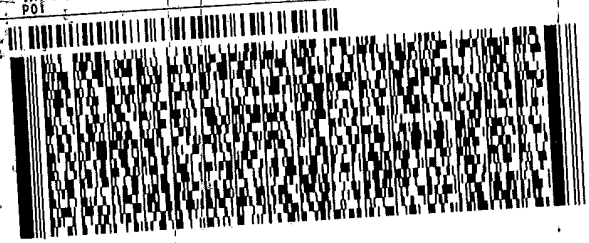
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 TEST AMERICA
 301 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 20OCT22
 ACTWGT: 44.90 LB MAN
 CAD: 000890364/CAFE3616
 DIMS: 24x14x16 IN
 BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE
NORTH KINGSTOWN RI 02852

(413) 789-9018
 INV#
 PO#

REF: DEPT:



FedEx
Express



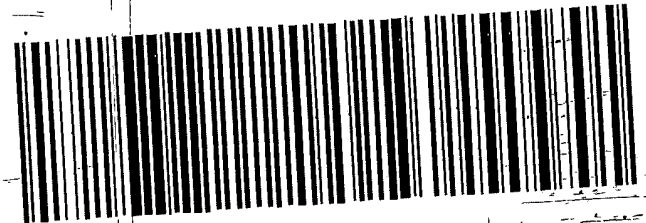
J222022052801 00

2 of 3
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 0263
 Mstr# 6074 1984 8886
 0201

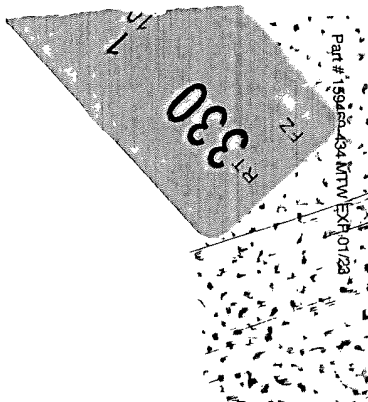
FRI - 21 OCT 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
 RI-US **PVD**



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Part # 15026-034 MTRW EXP 01/23

ORIGIN ID:BTVA (802) 860-1990
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 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

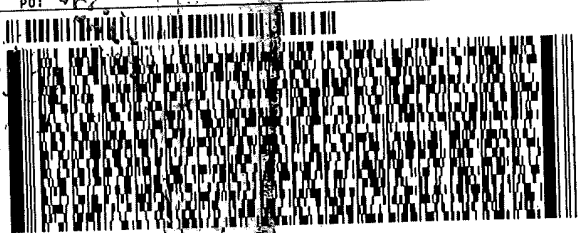
SHIP DATE: 2000122
 ACTWGT: 59.00 LB MAN
 CAD: 000890364/CAFE361G
 DIMS: 24x14x16 IN
 BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

(413) 789-9018
 INVT
 PO:

REF:
 DEPT:



FedEx
 Express



J252022032801 UV

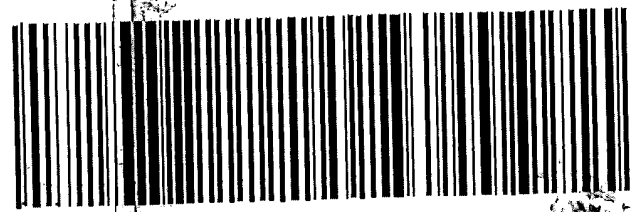
3 of 3
 MPS# 6074 1984 8901
 0263
 Mstr# 6074 1984 8886

0201

FRI - 21 OCT 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
 RI-US PVD



Eurofins New England

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

Chain of Custody Record



| | | | | | | | | | | | |
|---|--|---|-----------------------------|--|--|-----------------------------|---------------------------------|----------------------------|--------------------------|--|-----------------------------|
| Client Information (Sub Contract Lab) | | Sampler: | | Lab PM: Huntley, Agnes R | | Carrier Tracking No(s): | | COC No: 620-6868.2 | | | |
| Client Contact: Shipping/Receiving | | Phone: | | E-Mail: Agnes.Huntley@et.eurofins.com | | State of Origin: Vermont | | Page: Page 2 of 2 | | | |
| Company: Eurofins Lancaster Laboratories Environm | | | | Accreditations Required (See note): State - Vermont | | | | Job #: 620-7783-1 | | | |
| Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email: | | Due Date Requested: 11/9/2022 TAT Requested (days): | | Analysis Requested | | | | | | Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) Other: | |
| Project Name: Town of Hinesburg Landfill - Hinesburg, Site: | | Project #: 62000809 SSOW#: | | Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA/SS35_PFC PFAS list of 24 410.4 300_ORGF_M_2BDI (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: | | | |
| Sample Identification - Client ID (Lab ID) | | Sample Date | | | | | | | | Sample Time | |
| | | | | Preservation Code: | | | | | | | |
| 907 Beecher Hill-MID (620-7783-10) | | 10/20/22 | | 09:41 Eastern | | Drinking Water | | X X | | 5 VT VGES/MCL | |
| 907 Beecher Hill-EFF (620-7783-11) | | 10/20/22 | | 09:37 Eastern | | Drinking Water | | X X | | 5 VT VGES/MCL | |
| 152 Forest Edge-MID (620-7783-12) | | 10/20/22 | | 10:16 Eastern | | Drinking Water | | X X | | 5 VT VGES/MCL | |
| 152 Forest Edge-EFF (620-7783-13) | | 10/20/22 | | 10:10 Eastern | | Drinking Water | | X X | | 5 VT VGES/MCL | |
| 56 Forest Edge/685 Beecher Hill (620-7783-14) | | 10/20/22 | | 10:50 Eastern | | Drinking Water | | X X | | 5 VT VGES/MCL | |
| FRB-101922 (620-7783-15) | | 10/19/22 | | 16:36 Eastern | | Water | | X | | 2 | |
| EB-101922 (620-7783-16) | | 10/19/22 | | 16:50 Eastern | | Water | | X | | 2 | |
| FRB-102022 (620-7783-17) | | 10/20/22 | | 13:34 Eastern | | Water | | X | | 2 | |
| MW-2D (620-7783-18) | | 10/20/22 | | 14:08 Eastern | | Water | | X X X | | 4 | |
| <p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.</p> | | | | | | | | | | | |
| Possible Hazard Identification | | | | | Special 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: 10/21/22 17:07 | | Company: ENEC | | Received by: <i>[Signature]</i> | | Date/Time: _____ | | Company: _____ |
| Relinquished by: | | | Date/Time: | | Company: | | Received by: | | Date/Time: | | Company: |
| Relinquished by: | | | Date/Time: | | Company: | | Received by: <i>[Signature]</i> | | Date/Time: 10/22/22 9:50 | | Company: <i>[Signature]</i> |
| Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No.: | | | Cooler Temperature(s) °C and Other Remarks: -0.1 - 1.4 | | | | | | |

SA



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-7783-1

Login Number: 7783

List Source: Eurofins New England

List Number: 1

Creator: Huntley, Agnes R

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

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-7783-1

Login Number: 7783

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 10/22/22 12:29 PM

Creator: Roth, Stephanie

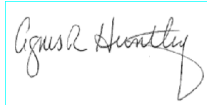
| Question | Answer | Comment |
|--|--------|---|
| The cooler's custody seal is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not 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. | False | Refer to Job Narrative for details. |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses. | True | |
| Is the Field Sampler's name present on COC? | False | Received project as a subcontract. |
| Sample custody seals are intact. | N/A | |
| VOA sample vials do not have headspace >6mm in diameter (none, if from WV)? | False | Headspace greater than 6mm in diameter in some but not all containers |

Eurofins New England

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the {0} Project Manager.

Authorization



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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/12/2022 12:29:42 AM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

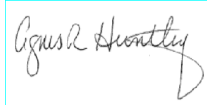
620-7783-2

Eurofins New England

Job Notes

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Authorization



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Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
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Definitions/Glossary

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

Job ID: 620-7783-2

Qualifiers

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. |
| H | Sample was prepped or analyzed beyond the specified holding time |
| I | Value is EMPC (estimated maximum possible concentration). |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

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

Case Narrative

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

Job ID: 620-7783-2

Job ID: 620-7783-2

Laboratory: Eurofins New England

Narrative

Job Narrative 620-7783-2

Comments

No additional comments.

Receipt

The samples were received on 10/21/2022 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were -0.1° C, 0.9° C and 3.3° C.

Receipt Exceptions

The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): MW-4D (620-7783-6). The laboratory received 4 total containers, while the COC lists 2 total containers.

LCMS

Method 537.1 DW: A field reagent blank was not submitted for the following samples: 907 Beecher Hill-INF-FD (620-7783-8), 152 Forest Edge-INF (620-7783-9), 907 Beecher Hill-MID (620-7783-10), 907 Beecher Hill-EFF (620-7783-11), 152 Forest Edge-MID (620-7783-12), 152 Forest Edge-EFF (620-7783-13) and 56 Forest Edge/685 Beecher Hill (620-7783-14).

Method 537.1 DW: Reporting limits were raised for the following sample: 907 Beecher-INF (620-7783-7) due to limited sample volume.

Method 537 (modified): The recovery for the labeled isotope: M2-4:2 FTS in the following sample: MW-2D (620-7783-18) 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: FRB-102022 (620-7783-17) due to limited sample volume.

Method 537 (modified): The recovery for M2-4:2 FTS in the following sample: MW-4D (620-7783-6) is above the QC acceptance limit. Since the recovery is high and the native analyte is not detected in the sample, the data are reported.

Method 537 (modified): The recovery for Perfluorotridecanoic acid is above the QC acceptance limit in the closing continuing calibration verification standard. Since the result is high and Perfluorotridecanoic acid is not detected in the following samples: MW-2S (620-7783-1), MW-3S (620-7783-2), MW-2S-FD (620-7783-3), MW-3D (620-7783-4), MW-4S (620-7783-5), MW-4D (620-7783-6), FRB-101922 (620-7783-15) and EB-101922 (620-7783-16), the data are reported.

Method 537 (modified): The recovery for the labeled isotope(s) M2-4:2 FTS, M2-6:2 FTS and M2-8:2 FTS in the following sample: MW-3S (620-7783-2) 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 recovery for injection standard peak areas is outside of the QC acceptance limits in both the initial injection and the re-injection of the following sample: MW-3S (620-7783-2). The values here are from the initial injection of the sample.

Method 537 (modified): The recovery for the labeled isotope(s) 13C3 PFBS in the following sample: MW-3S (620-7783-2) is outside the QC acceptance limits due to the matrix of the sample.

Method 537 (modified): The recovery for the labeled isotope: d3-NMePFOSA and d5-NEtPFOSA in the following sample: MW-2S (620-7783-1) 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 labeled isotope(s) is again outside the QC acceptance limits.

Method 537 (modified): The recovery for the labeled isotope(s) M2-4:2 FTS and M2-6:2 FTS in the following samples: MW-2S (620-7783-1) and MW-2S-FD (620-7783-3) 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): The recovery for the labeled isotope(s) 13C2 PFTeDA, d9-N-EtFOSE-M, d3-NMePFOSA and d5-NEtPFOSA in the following sample: MW-2S-FD (620-7783-3) 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) d3-NMePFOSA and d5-NEtPFOSA were again

Case Narrative

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

Job ID: 620-7783-2

Job ID: 620-7783-2 (Continued)

Laboratory: Eurofins New England (Continued)

outside of the QC acceptance limits. The recovery for labeled isotope $^{13}C_2$ PFTeDA and d9-N-EtFOSE-M were within the QC acceptance limits.

Method 537 (modified): The recovery for target analyte: Perfluorotridecanoic acid is outside the QC acceptance limits in the closing continuing calibration verification standard. Since the result is high and target: Perfluorotridecanoic acid is not detected in the following sample: MW-3D (620-7783-4), the data is reported.

Method 537 (modified): The recoveries for the labeled isotope(s): M2-4:2 FTS, M2-6:2 FTS and M2-8:2 FTS in the following sample: MW-3D (620-7783-4) were outside the QC acceptance limits. Since the recoveries were high and the native analytes were not detected in the sample, the data is reported.

Method 537 (modified): The sample injection standard peak areas in the following sample: MW-3D (620-7783-4) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

The recovery for the labeled isotope: $^{13}C_3$ PFBS in the following sample: MW-3D (620-7783-4) is outside the QC acceptance limits. This failure was due to the matrix of the sample.

Method 537 (modified): The recoveries for the labeled isotope(s): d9-N-EtFOSE-M, d3-NMePFOSA and d5-NEtPFOSA in the following sample: MW-3D (620-7783-4) were 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): d9-N-EtFOSE-M, d3-NMePFOSA and d5-NEtPFOSA were again outside of the QC acceptance limits.

Method 537 (modified): The recovery for the labeled isotope: M2-4:2 FTS, M2-6:2 FTS, M2-8:2 FTS and $^{13}C_3$ PFBS in the following sample: MW-4S (620-7783-5) 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 sample injection standard peak areas in the following sample: MW-4S (620-7783-5) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

Method 537 (modified): The recovery for the labeled isotope: d9-N-EtFOSE-M, d3-NMePFOSA and d5-NEtPFOSA in the following sample: MW-4S (620-7783-5) 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 within QC acceptance limits.

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

Organic Prep

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

Detection Summary

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

Job ID: 620-7783-2

Client Sample ID: MW-2S

Lab Sample ID: 620-7783-1

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------------|--------|-----------|------|------|---------|---|---------|-----------|
| Perfluorobutanoic acid | 5.01 | | 4.55 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid | 4.03 | | 1.82 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid | 5.62 | | 1.82 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid | 7.16 | | 1.82 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid | 4.99 | | 1.82 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid - RE | 4.97 | H | 4.53 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid - RE | 3.75 | H | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid - RE | 6.42 | H | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanesulfonic acid - RE | 2.94 | H | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid - RE | 8.29 | H | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid - RE | 4.37 | H | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |

Client Sample ID: MW-3S

Lab Sample ID: 620-7783-2

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------------|--------|-----------|------|------|---------|---|---------|-----------|
| Perfluorobutanesulfonic acid | 4.72 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid | 18.0 | | 4.38 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid | 25.8 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanesulfonic acid | 9.89 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid | 36.7 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanesulfonic acid | 2.12 | I | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid | 39.8 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanesulfonic acid | 3.48 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid | 20.2 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanesulfonic acid - RA | 4.92 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid - RA | 18.5 | | 4.38 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid - RA | 26.1 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanesulfonic acid - RA | 9.87 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid - RA | 37.3 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanesulfonic acid - RA | 2.20 | I | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid - RA | 41.4 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanesulfonic acid - RA | 3.26 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid - RA | 21.2 | | 1.75 | ng/L | 1 | | 537 IDA | Total/NA |

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------------|--------|-----------|------|------|---------|---|---------|-----------|
| Perfluorobutanoic acid | 5.03 | | 4.69 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid | 4.30 | | 1.87 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid | 6.57 | | 1.87 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid | 7.56 | | 1.87 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid | 5.20 | | 1.87 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid - RE | 5.05 | H | 4.64 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid - RE | 3.50 | H | 1.86 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid - RE | 6.56 | H | 1.86 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanesulfonic acid - RE | 2.01 | H | 1.86 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid - RE | 7.77 | H | 1.86 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid - RE | 4.09 | H | 1.86 | ng/L | 1 | | 537 IDA | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins New England

Detection Summary

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

Job ID: 620-7783-2

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------------------|--------|-----------|------|------|---------|---|---------|-----------|
| Perfluorobutanesulfonic acid | 5.00 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid | 26.2 | | 4.52 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid | 47.8 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanesulfonic acid | 29.0 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid | 61.3 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanesulfonic acid | 3.86 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid | 118 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanesulfonic acid | 4.91 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid | 31.3 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanesulfonic acid - RA | 4.74 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid - RA | 26.4 | | 4.52 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid - RA | 46.4 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanesulfonic acid - RA | 29.1 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid - RA | 61.7 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanesulfonic acid - RA | 3.79 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid - RA | 124 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanesulfonic acid - RA | 4.50 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid - RA | 31.6 | | 1.81 | ng/L | 1 | | 537 IDA | Total/NA |
| 6:2 Fluorotelomer sulfonic acid - RA | 4.61 | | 4.52 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanesulfonic acid - RE | 4.43 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid - RE | 32.1 | H | 4.49 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid - RE | 43.0 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanesulfonic acid - RE | 30.6 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid - RE | 64.8 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanesulfonic acid - RE | 3.76 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid - RE | 126 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanesulfonic acid - RE | 4.88 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid - RE | 26.8 | H | 1.79 | ng/L | 1 | | 537 IDA | Total/NA |

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------------|--------|-----------|------|------|---------|---|---------|-----------|
| Perfluorobutanoic acid | 10.0 | | 4.62 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid | 13.5 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanesulfonic acid | 4.63 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid | 17.0 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid | 32.4 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid | 7.15 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorobutanoic acid - RA | 9.76 | | 4.62 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid - RA | 12.8 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanesulfonic acid - RA | 4.39 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid - RA | 15.9 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid - RA | 31.7 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid - RA | 6.77 | | 1.85 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoroheptanoic acid - RE | 12.1 | H | 4.97 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorohexanoic acid - RE | 16.8 | H | 4.97 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluorooctanoic acid - RE | 32.1 | H | 4.97 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid - RE | 6.60 | H | 4.97 | ng/L | 1 | | 537 IDA | Total/NA |

Client Sample ID: MW-4D

Lab Sample ID: 620-7783-6

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: 620-7783-2

Client Sample ID: 907 Beecher-INF

Lab Sample ID: 620-7783-7

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|------|------|---------|---|-----------|-----------|
| Perfluorohexanoic acid | 16.5 | | 2.02 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluoroheptanoic acid | 10.5 | | 2.02 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorooctanoic acid | 30.3 | | 2.02 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorobutanesulfonic acid | 2.39 | | 2.02 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorohexanesulfonic acid | 6.65 | | 2.02 | ng/L | 1 | | EPA 537.1 | Total/NA |

Client Sample ID: 907 Beecher Hill-INF-FD

Lab Sample ID: 620-7783-8

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|------|------|---------|---|-----------|-----------|
| Perfluorohexanoic acid | 15.1 | | 1.90 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluoroheptanoic acid | 9.68 | | 1.90 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorooctanoic acid | 27.8 | | 1.90 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorobutanesulfonic acid | 2.44 | | 1.90 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorohexanesulfonic acid | 6.85 | | 1.90 | ng/L | 1 | | EPA 537.1 | Total/NA |

Client Sample ID: 152 Forest Edge-INF

Lab Sample ID: 620-7783-9

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|------|---------|---|-----------|-----------|
| Perfluorohexanoic acid | 3.95 | | 1.77 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluoroheptanoic acid | 2.14 | | 1.77 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorooctanoic acid | 2.26 | | 1.77 | ng/L | 1 | | EPA 537.1 | Total/NA |

Client Sample ID: 907 Beecher Hill-MID

Lab Sample ID: 620-7783-10

No Detections.

Client Sample ID: 907 Beecher Hill-EFF

Lab Sample ID: 620-7783-11

No Detections.

Client Sample ID: 152 Forest Edge-MID

Lab Sample ID: 620-7783-12

No Detections.

Client Sample ID: 152 Forest Edge-EFF

Lab Sample ID: 620-7783-13

No Detections.

Client Sample ID: 56 Forest Edge/685 Beecher Hill

Lab Sample ID: 620-7783-14

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|------|------|---------|---|-----------|-----------|
| Perfluorohexanoic acid | 3.99 | | 1.89 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluoroheptanoic acid | 4.97 | | 1.89 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorooctanoic acid | 7.40 | | 1.89 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorobutanesulfonic acid | 1.96 | | 1.89 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorohexanesulfonic acid | 3.51 | | 1.89 | ng/L | 1 | | EPA 537.1 | Total/NA |
| Perfluorooctanesulfonic acid | 4.75 | | 1.89 | ng/L | 1 | | EPA 537.1 | Total/NA |

Client Sample ID: FRB-101922

Lab Sample ID: 620-7783-15

No Detections.

Client Sample ID: EB-101922

Lab Sample ID: 620-7783-16

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: 620-7783-2

Client Sample ID: FRB-102022

Lab Sample ID: 620-7783-17

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|------|---------|---|---------|-----------|
| Perfluorohexanoic acid | 13.9 | | 2.02 | ng/L | 1 | | 537 IDA | Total/NA |
| Perfluoropentanoic acid | 12.0 | | 2.02 | ng/L | 1 | | 537 IDA | Total/NA |

Client Sample ID: MW-2D

Lab Sample ID: 620-7783-18

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|---------|---|---------|-----------|
| Perfluorooctanoic acid | 2.32 | | 1.87 | ng/L | 1 | | 537 IDA | 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: 620-7783-2

Client Sample ID: MW-2S

Lab Sample ID: 620-7783-1

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.73 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| NMeFOSAA | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorobutanoic acid | 5.01 | | 4.55 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorodecanoic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorododecanoic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluoroheptanoic acid | 4.03 | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorohexanoic acid | 5.62 | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorononanoic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorooctanoic acid | 7.16 | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluoropentanoic acid | 4.99 | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluorotridecanoic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| Perfluoroundecanoic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.55 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.73 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.82 | ng/L | | 11/02/22 07:18 | 11/09/22 06:39 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 300 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| M2-6:2 FTS | 311 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| M2-8:2 FTS | 159 | | 33 - 200 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C2 PFTeDA | 78 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C3 HFPO-DA | 66 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C3 PFBS | 194 | | 16 - 200 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C4 PFBA | 121 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C4 PFHpA | 95 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C5 PFPeA | 140 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C8 PFOA | 100 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C8 PFOS | 96 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| d3-NMeFOSAA | 127 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| d5-NEtFOSAA | 117 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| d9-N-EtFOSE-M | 10 | | 10 - 177 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C3 PFHxS | 117 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C5 PFHxA | 87 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C6 PFDA | 94 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C7 PFUnA | 96 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| d3-NMePFOSA | 1 | *5- | 10 - 155 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| d5-NEtPFOSA | 2 | *5- | 10 - 159 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C8 FOSA | 56 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C2-PFDoDA | 90 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |
| 13C9 PFNA | 104 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 06:39 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-2S

Lab Sample ID: 620-7783-1

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | H | 2.72 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| NMeFOSAA | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorobutanesulfonic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorobutanoic acid | 4.97 | H | 4.53 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorodecanesulfonic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorodecanoic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorododecanoic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluoroheptanesulfonic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluoroheptanoic acid | 3.75 | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorohexanesulfonic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorohexanoic acid | 6.42 | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorononanesulfonic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorononanoic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorooctanesulfonamide | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorooctanesulfonic acid | 2.94 | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorooctanoic acid | 8.29 | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluoropentanesulfonic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluoropentanoic acid | 4.37 | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorotetradecanoic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluorotridecanoic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| Perfluoroundecanoic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | H | 4.53 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | H | 2.72 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | H | 1.81 | ng/L | | 11/18/22 10:10 | 11/20/22 17:25 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 237 | *5+ | 10 - 200 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| M2-6:2 FTS | 213 | *5+ | 17 - 200 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| M2-8:2 FTS | 108 | | 33 - 200 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C2 PFTeDA | 2 | *5- | 10 - 179 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C3 HFPO-DA | 50 | | 17 - 185 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C3 PFBS | 149 | | 16 - 200 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C4 PFBA | 83 | | 42 - 165 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C4 PFHpA | 78 | | 31 - 182 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C5 PFPeA | 115 | | 38 - 187 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C8 PFOA | 73 | | 48 - 162 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C8 PFOS | 69 | | 51 - 159 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| d3-NMeFOSAA | 52 | | 31 - 174 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| d5-NEtFOSAA | 55 | | 29 - 195 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| d9-N-EtFOSE-M | 0.4 | *5- | 10 - 177 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C3 PFHxS | 81 | | 28 - 188 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C5 PFHxA | 70 | | 24 - 179 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C6 PFDA | 63 | | 49 - 163 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C7 PFUnA | 28 | *5- | 34 - 174 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| d3-NMePFOSA | 0 | *5- | 10 - 155 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| d5-NEtPFOSA | 0 | *5- | 10 - 159 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C8 FOSA | 16 | | 10 - 168 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C2-PFDoDA | 8 | *5- | 17 - 176 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |
| 13C9 PFNA | 89 | | 51 - 167 | 11/18/22 10:10 | 11/20/22 17:25 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-3S

Lab Sample ID: 620-7783-2

Date Collected: 10/19/22 12:12

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.63 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| NMeFOSAA | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorobutanesulfonic acid | 4.72 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorobutanoic acid | 18.0 | | 4.38 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorodecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorododecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluoroheptanoic acid | 25.8 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorohexanesulfonic acid | 9.89 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorohexanoic acid | 36.7 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorononanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorooctanesulfonic acid | 2.12 | I | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorooctanoic acid | 39.8 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluoropentanesulfonic acid | 3.48 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluoropentanoic acid | 20.2 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluorotridecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| Perfluoroundecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.38 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.63 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/09/22 06:50 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 282 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| M2-6:2 FTS | 307 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| M2-8:2 FTS | 158 | | 33 - 200 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C2 PFTeDA | 73 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C3 HFPO-DA | 56 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C3 PFBS | 229 | *5+ | 16 - 200 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C4 PFBA | 114 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C4 PFHpA | 83 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C5 PFPeA | 141 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C8 PFOA | 94 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C8 PFOS | 95 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| d3-NMeFOSAA | 111 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| d5-NEtFOSAA | 114 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| d9-N-EtFOSE-M | 45 | | 10 - 177 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C3 PFHxS | 109 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C5 PFHxA | 70 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C6 PFDA | 85 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C7 PFUnA | 91 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| d3-NMePFOSA | 14 | | 10 - 155 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| d5-NEtPFOSA | 15 | | 10 - 159 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C8 FOSA | 74 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C2-PFDoDA | 77 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |
| 13C9 PFNA | 90 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 06:50 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-3S

Lab Sample ID: 620-7783-2

Date Collected: 10/19/22 12:12

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.63 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| NMeFOSAA | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorobutanesulfonic acid | 4.92 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorobutanoic acid | 18.5 | | 4.38 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorodecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorododecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluoroheptanoic acid | 26.1 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorohexanesulfonic acid | 9.87 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorohexanoic acid | 37.3 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorononanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorooctanesulfonic acid | 2.20 | I | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorooctanoic acid | 41.4 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluoropentanesulfonic acid | 3.26 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluoropentanoic acid | 21.2 | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluorotridecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| Perfluoroundecanoic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.38 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.63 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.75 | ng/L | | 11/02/22 07:18 | 11/11/22 02:55 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 292 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| M2-6:2 FTS | 284 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| M2-8:2 FTS | 159 | | 33 - 200 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C2 PFTeDA | 61 | | 10 - 179 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C3 HFPO-DA | 59 | | 17 - 185 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C3 PFBS | 205 | *5+ | 16 - 200 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C4 PFBA | 116 | | 42 - 165 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C4 PFHpA | 83 | | 31 - 182 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C5 PFPeA | 138 | | 38 - 187 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C8 PFOA | 93 | | 48 - 162 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C8 PFOS | 91 | | 51 - 159 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| d3-NMeFOSAA | 105 | | 31 - 174 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| d5-NEtFOSAA | 103 | | 29 - 195 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| d9-N-EtFOSE-M | 44 | | 10 - 177 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C3 PFHxS | 110 | | 28 - 188 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C5 PFHxA | 75 | | 24 - 179 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C6 PFDA | 90 | | 49 - 163 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C7 PFUnA | 85 | | 34 - 174 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| d3-NMePFOSA | 16 | | 10 - 155 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| d5-NEtPFOSA | 15 | | 10 - 159 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C8 FOSA | 74 | | 10 - 168 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C2-PFDoDA | 74 | | 17 - 176 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |
| 13C9 PFNA | 86 | | 51 - 167 | 11/02/22 07:18 | 11/11/22 02:55 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| NMeFOSAA | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorobutanoic acid | 5.03 | | 4.69 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorodecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorododecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluoroheptanoic acid | 4.30 | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorohexanoic acid | 6.57 | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorononanoic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorooctanoic acid | 7.56 | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluoropentanoic acid | 5.20 | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluorotridecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| Perfluoroundecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.69 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 07:18 | 11/09/22 07:01 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 267 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| M2-6:2 FTS | 273 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| M2-8:2 FTS | 151 | | 33 - 200 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C2 PFTeDA | 9 | *5- | 10 - 179 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C3 HFPO-DA | 58 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C3 PFBS | 175 | | 16 - 200 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C4 PFBA | 110 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C4 PFHpA | 91 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C5 PFPeA | 128 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C8 PFOA | 100 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C8 PFOS | 95 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| d3-NMeFOSAA | 114 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| d5-NEtFOSAA | 110 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| d9-N-EtFOSE-M | 2 | *5- | 10 - 177 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C3 PFHxS | 107 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C5 PFHxA | 77 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C6 PFDA | 91 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C7 PFUnA | 84 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| d3-NMePFOSA | 0.2 | *5- | 10 - 155 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| d5-NEtPFOSA | 0.08 | *5- | 10 - 159 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C8 FOSA | 57 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C2-PFDoDA | 55 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |
| 13C9 PFNA | 99 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 07:01 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-2S-FD

Lab Sample ID: 620-7783-3

Date Collected: 10/19/22 12:30

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | H | 2.78 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| NMeFOSAA | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorobutanesulfonic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorobutanoic acid | 5.05 | H | 4.64 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorodecanesulfonic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorodecanoic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorododecanoic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluoroheptanesulfonic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluoroheptanoic acid | 3.50 | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorohexanesulfonic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorohexanoic acid | 6.56 | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorononanesulfonic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorononanoic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorooctanesulfonamide | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorooctanesulfonic acid | 2.01 | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorooctanoic acid | 7.77 | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluoropentanesulfonic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluoropentanoic acid | 4.09 | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorotetradecanoic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluorotridecanoic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| Perfluoroundecanoic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | H | 4.64 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | H | 2.78 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | H | 1.86 | ng/L | | 11/18/22 10:10 | 11/20/22 17:36 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 268 | *5+ | 10 - 200 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| M2-6:2 FTS | 248 | *5+ | 17 - 200 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| M2-8:2 FTS | 141 | | 33 - 200 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C2 PFTeDA | 44 | | 10 - 179 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C3 HFPO-DA | 61 | | 17 - 185 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C3 PFBS | 187 | | 16 - 200 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C4 PFBA | 100 | | 42 - 165 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C4 PFHpA | 89 | | 31 - 182 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C5 PFPeA | 138 | | 38 - 187 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C8 PFOA | 89 | | 48 - 162 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C8 PFOS | 111 | | 51 - 159 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| d3-NMeFOSAA | 97 | | 31 - 174 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| d5-NEtFOSAA | 107 | | 29 - 195 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| d9-N-EtFOSE-M | 18 | | 10 - 177 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C3 PFHxS | 98 | | 28 - 188 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C5 PFHxA | 77 | | 24 - 179 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C6 PFDA | 101 | | 49 - 163 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C7 PFUnA | 95 | | 34 - 174 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| d3-NMePFOSA | 6 | *5- | 10 - 155 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| d5-NEtPFOSA | 5 | *5- | 10 - 159 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C8 FOSA | 43 | | 10 - 168 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C2-PFDoDA | 80 | | 17 - 176 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |
| 13C9 PFNA | 118 | | 51 - 167 | 11/18/22 10:10 | 11/20/22 17:36 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

Date Collected: 10/19/22 13:44

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.71 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| NMeFOSAA | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorobutanesulfonic acid | 5.00 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorobutanoic acid | 26.2 | | 4.52 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorodecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorododecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluoroheptanoic acid | 47.8 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorohexanesulfonic acid | 29.0 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorohexanoic acid | 61.3 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorononanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorooctanesulfonic acid | 3.86 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorooctanoic acid | 118 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluoropentanesulfonic acid | 4.91 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluoropentanoic acid | 31.3 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluorotridecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| Perfluoroundecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.52 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.71 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/09/22 07:12 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 430 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| M2-6:2 FTS | 482 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| M2-8:2 FTS | 321 | *5+ | 33 - 200 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C2 PFTeDA | 47 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C3 HFPO-DA | 77 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C3 PFBS | 301 | *5+ | 16 - 200 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C4 PFBA | 123 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C4 PFHpA | 116 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C5 PFPeA | 182 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C8 PFOA | 103 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C8 PFOS | 115 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| d3-NMeFOSAA | 122 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| d5-NEtFOSAA | 145 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| d9-N-EtFOSE-M | 7 | *5- | 10 - 177 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C3 PFHxS | 176 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C5 PFHxA | 96 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C6 PFDA | 105 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C7 PFUnA | 114 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| d3-NMePFOSA | 0.4 | *5- | 10 - 155 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| d5-NEtPFOSA | 0.1 | *5- | 10 - 159 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C8 FOSA | 32 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C2-PFDoDA | 98 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |
| 13C9 PFNA | 95 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 07:12 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

Date Collected: 10/19/22 13:44

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.71 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| NMeFOSAA | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorobutanesulfonic acid | 4.74 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorobutanoic acid | 26.4 | | 4.52 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorodecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorododecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluoroheptanoic acid | 46.4 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorohexanesulfonic acid | 29.1 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorohexanoic acid | 61.7 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorononanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorooctanesulfonic acid | 3.79 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorooctanoic acid | 124 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluoropentanesulfonic acid | 4.50 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluoropentanoic acid | 31.6 | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluorotridecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| Perfluoroundecanoic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 6:2 Fluorotelomer sulfonic acid | 4.61 | | 4.52 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.71 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.81 | ng/L | | 11/02/22 07:18 | 11/11/22 03:06 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 405 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| M2-6:2 FTS | 410 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| M2-8:2 FTS | 287 | *5+ | 33 - 200 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C2 PFTeDA | 31 | | 10 - 179 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C3 HFPO-DA | 79 | | 17 - 185 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C3 PFBS | 270 | *5+ | 16 - 200 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C4 PFBA | 121 | | 42 - 165 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C4 PFHpA | 114 | | 31 - 182 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C5 PFPeA | 170 | | 38 - 187 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C8 PFOA | 98 | | 48 - 162 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C8 PFOS | 113 | | 51 - 159 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| d3-NMeFOSAA | 121 | | 31 - 174 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| d5-NEtFOSAA | 129 | | 29 - 195 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| d9-N-EtFOSE-M | 6 | *5- | 10 - 177 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C3 PFHxS | 160 | | 28 - 188 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C5 PFHxA | 98 | | 24 - 179 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C6 PFDA | 101 | | 49 - 163 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C7 PFUnA | 107 | | 34 - 174 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| d3-NMePFOSA | 0 | *5- | 10 - 155 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| d5-NEtPFOSA | 0 | *5- | 10 - 159 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C8 FOSA | 33 | | 10 - 168 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C2-PFDoDA | 86 | | 17 - 176 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |
| 13C9 PFNA | 99 | | 51 - 167 | 11/02/22 07:18 | 11/11/22 03:06 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-3D

Lab Sample ID: 620-7783-4

Date Collected: 10/19/22 13:44

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | H | 2.69 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| NMeFOSAA | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorobutanesulfonic acid | 4.43 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorobutanoic acid | 32.1 | H | 4.49 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorodecanesulfonic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorodecanoic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorododecanoic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluoroheptanesulfonic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluoroheptanoic acid | 43.0 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorohexanesulfonic acid | 30.6 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorohexanoic acid | 64.8 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorononanesulfonic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorononanoic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorooctanesulfonamide | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorooctanesulfonic acid | 3.76 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorooctanoic acid | 126 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluoropentanesulfonic acid | 4.88 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluoropentanoic acid | 26.8 | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorotetradecanoic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluorotridecanoic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| Perfluoroundecanoic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | H | 4.49 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | H | 2.69 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | H | 1.79 | ng/L | | 12/04/22 15:30 | 12/07/22 03:55 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 604 | *5+ | 10 - 200 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| M2-6:2 FTS | 536 | *5+ | 17 - 200 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| M2-8:2 FTS | 338 | *5+ | 33 - 200 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C2 PFTeDA | 35 | | 10 - 179 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C3 HFPO-DA | 73 | | 17 - 185 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C3 PFBS | 703 | *5+ | 16 - 200 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C4 PFBA | 127 | | 42 - 165 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C4 PFHpA | 124 | | 31 - 182 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C5 PFPeA | 286 | *5+ | 38 - 187 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C8 PFOA | 100 | | 48 - 162 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C8 PFOS | 117 | | 51 - 159 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| d3-NMeFOSAA | 124 | | 31 - 174 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| d5-NEtFOSAA | 135 | | 29 - 195 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| d9-N-EtFOSE-M | 6 | *5- | 10 - 177 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C3 PFHxS | 202 | *5+ | 28 - 188 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C5 PFHxA | 93 | | 24 - 179 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C6 PFDA | 110 | | 49 - 163 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C7 PFUnA | 114 | | 34 - 174 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| d3-NMePFOSA | 1 | *5- | 10 - 155 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| d5-NEtPFOSA | 0.9 | *5- | 10 - 159 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C8 FOSA | 37 | | 10 - 168 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C2-PFDoDA | 91 | | 17 - 176 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |
| 13C9 PFNA | 89 | | 51 - 167 | 12/04/22 15:30 | 12/07/22 03:55 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

Date Collected: 10/19/22 16:03

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.77 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| NMeFOSAA | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorobutanoic acid | 10.0 | | 4.62 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorodecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorododecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluoroheptanoic acid | 13.5 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorohexanesulfonic acid | 4.63 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorohexanoic acid | 17.0 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorononanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorooctanoic acid | 32.4 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluoropentanoic acid | 7.15 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluorotridecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| Perfluoroundecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.62 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.77 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/09/22 07:23 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 386 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| M2-6:2 FTS | 487 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| M2-8:2 FTS | 304 | *5+ | 33 - 200 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C2 PFTeDA | 23 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C3 HFPO-DA | 64 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C3 PFBS | 277 | *5+ | 16 - 200 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C4 PFBA | 123 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C4 PFHpA | 97 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C5 PFPeA | 165 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C8 PFOA | 99 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C8 PFOS | 110 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| d3-NMeFOSAA | 125 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| d5-NEtFOSAA | 140 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| d9-N-EtFOSE-M | 5 | *5- | 10 - 177 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C3 PFHxS | 142 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C5 PFHxA | 87 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C6 PFDA | 100 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C7 PFUnA | 112 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| d3-NMePFOSA | 0.1 | *5- | 10 - 155 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| d5-NEtPFOSA | 0.1 | *5- | 10 - 159 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C8 FOSA | 38 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C2-PFDoDA | 78 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |
| 13C9 PFNA | 93 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 07:23 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

Date Collected: 10/19/22 16:03

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.77 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| NMeFOSAA | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorobutanoic acid | 9.76 | | 4.62 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorodecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorododecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluoroheptanoic acid | 12.8 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorohexanesulfonic acid | 4.39 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorohexanoic acid | 15.9 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorononanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorooctanoic acid | 31.7 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluoropentanoic acid | 6.77 | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluorotridecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| Perfluoroundecanoic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.62 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.77 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.85 | ng/L | | 11/02/22 07:18 | 11/11/22 03:18 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 400 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| M2-6:2 FTS | 399 | *5+ | 17 - 200 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| M2-8:2 FTS | 283 | *5+ | 33 - 200 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C2 PFTeDA | 19 | | 10 - 179 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C3 HFPO-DA | 69 | | 17 - 185 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C3 PFBS | 242 | *5+ | 16 - 200 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C4 PFBA | 123 | | 42 - 165 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C4 PFHpA | 98 | | 31 - 182 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C5 PFPeA | 157 | | 38 - 187 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C8 PFOA | 101 | | 48 - 162 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C8 PFOS | 112 | | 51 - 159 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| d3-NMeFOSAA | 132 | | 31 - 174 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| d5-NEtFOSAA | 132 | | 29 - 195 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| d9-N-EtFOSE-M | 5 | *5- | 10 - 177 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C3 PFHxS | 145 | | 28 - 188 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C5 PFHxA | 90 | | 24 - 179 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C6 PFDA | 101 | | 49 - 163 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C7 PFUnA | 110 | | 34 - 174 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| d3-NMePFOSA | 0 | *5- | 10 - 155 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| d5-NEtPFOSA | 0 | *5- | 10 - 159 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C8 FOSA | 40 | | 10 - 168 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C2-PFDoDA | 73 | | 17 - 176 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |
| 13C9 PFNA | 94 | | 51 - 167 | 11/02/22 07:18 | 11/11/22 03:18 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-4S

Lab Sample ID: 620-7783-5

Date Collected: 10/19/22 16:03

Matrix: Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | H | 7.45 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| NMeFOSAA | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorobutanesulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorobutanoic acid | ND | H | 12.4 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorodecanesulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorodecanoic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorododecanoic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluoroheptanesulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluoroheptanoic acid | 12.1 | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorohexanesulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorohexanoic acid | 16.8 | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorononanesulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorononanoic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorooctanesulfonamide | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorooctanesulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorooctanoic acid | 32.1 | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluoropentanesulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluoropentanoic acid | 6.60 | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorotetradecanoic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluorotridecanoic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| Perfluoroundecanoic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | H | 12.4 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | H | 7.45 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | H | 4.97 | ng/L | | 12/07/22 15:25 | 12/10/22 01:21 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 290 | *5+ | 10 - 200 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| M2-6:2 FTS | 272 | *5+ | 17 - 200 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| M2-8:2 FTS | 160 | | 33 - 200 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C2 PFTeDA | 99 | | 10 - 179 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C3 HFPO-DA | 73 | | 17 - 185 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C3 PFBS | 162 | | 16 - 200 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C4 PFBA | 104 | | 42 - 165 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C4 PFHpA | 106 | | 31 - 182 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C5 PFPeA | 126 | | 38 - 187 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C8 PFOA | 99 | | 48 - 162 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C8 PFOS | 103 | | 51 - 159 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| d3-NMeFOSAA | 89 | | 31 - 174 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| d5-NEtFOSAA | 100 | | 29 - 195 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| d9-N-EtFOSE-M | 58 | | 10 - 177 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C3 PFHxS | 119 | | 28 - 188 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C5 PFHxA | 88 | | 24 - 179 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C6 PFDA | 98 | | 49 - 163 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C7 PFUnA | 89 | | 34 - 174 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| d3-NMePFOSA | 12 | | 10 - 155 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| d5-NEtPFOSA | 13 | | 10 - 159 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C8 FOSA | 73 | | 10 - 168 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C2-PFDoDA | 95 | | 17 - 176 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |
| 13C9 PFNA | 117 | | 51 - 167 | 12/07/22 15:25 | 12/10/22 01:21 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-4D

Lab Sample ID: 620-7783-6

Date Collected: 10/19/22 14:05

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 3.14 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| NMeFOSAA | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorobutanoic acid | ND | | 5.23 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorodecanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorododecanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluoroheptanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorohexanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorononanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorooctanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluoropentanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluorotridecanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| Perfluoroundecanoic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.23 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.14 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.09 | ng/L | | 11/02/22 07:18 | 11/09/22 07:34 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 253 | *5+ | 10 - 200 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| M2-6:2 FTS | 121 | | 17 - 200 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| M2-8:2 FTS | 95 | | 33 - 200 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C2 PFTeDA | 79 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C3 HFPO-DA | 81 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C3 PFBS | 136 | | 16 - 200 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C4 PFBA | 120 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C4 PFHpA | 101 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C5 PFPeA | 132 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C8 PFOA | 99 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C8 PFOS | 97 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| d3-NMeFOSAA | 123 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| d5-NEtFOSAA | 121 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| d9-N-EtFOSE-M | 64 | | 10 - 177 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C3 PFHxS | 106 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C5 PFHxA | 104 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C6 PFDA | 89 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C7 PFUnA | 103 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| d3-NMePFOSA | 20 | | 10 - 155 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| d5-NEtPFOSA | 19 | | 10 - 159 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C8 FOSA | 94 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C2-PFDoDA | 89 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |
| 13C9 PFNA | 103 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 07:34 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 907 Beecher-INF

Lab Sample ID: 620-7783-7

Date Collected: 10/20/22 09:22

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|------|---|-----------------|-----------------|----------------|
| Perfluorohexanoic acid | 16.5 | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluoroheptanoic acid | 10.5 | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorooctanoic acid | 30.3 | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorononanoic acid | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorodecanoic acid | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorotridecanoic acid | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorobutanesulfonic acid | 2.39 | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorohexanesulfonic acid | 6.65 | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| NEtFOSAA | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| NMeFOSAA | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluoroundecanoic acid | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Perfluorododecanoic acid | ND | | 2.02 | ng/L | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 13C2 PFDA | 94 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| 13C2 PFHxA | 103 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| 13C3 HFPO-DA | 100 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |
| d5-NEtFOSAA | 101 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 06:53 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 907 Beecher Hill-INF-FD

Lab Sample ID: 620-7783-8

Date Collected: 10/20/22 09:22

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|------|---|-----------------|-----------------|----------------|
| Perfluorohexanoic acid | 15.1 | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluoroheptanoic acid | 9.68 | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorooctanoic acid | 27.8 | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorononanoic acid | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorodecanoic acid | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorotridecanoic acid | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorobutanesulfonic acid | 2.44 | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorohexanesulfonic acid | 6.85 | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| NEtFOSAA | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| NMeFOSAA | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluoroundecanoic acid | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Perfluorododecanoic acid | ND | | 1.90 | ng/L | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 13C2 PFDA | 77 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| 13C2 PFHxA | 97 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| 13C3 HFPO-DA | 95 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |
| d5-NEtFOSAA | 84 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:04 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 152 Forest Edge-INF

Lab Sample ID: 620-7783-9

Date Collected: 10/20/22 10:20

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|------|---|-----------------|-----------------|----------------|
| Perfluorohexanoic acid | 3.95 | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluoroheptanoic acid | 2.14 | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorooctanoic acid | 2.26 | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorononanoic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorodecanoic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorotridecanoic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| NEtFOSAA | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| NMeFOSAA | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluoroundecanoic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Perfluorododecanoic acid | ND | | 1.77 | ng/L | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 13C2 PFDA | 80 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| 13C2 PFHxA | 100 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| 13C3 HFPO-DA | 95 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |
| d5-NEtFOSAA | 95 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:16 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 907 Beecher Hill-MID

Lab Sample ID: 620-7783-10

Date Collected: 10/20/22 09:41

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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 | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluoroheptanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorooctanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorononanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorodecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorotridecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| NEtFOSAA | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| NMeFOSAA | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluoroundecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Perfluorododecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 13C2 PFDA | 93 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| 13C2 PFHxA | 104 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| 13C3 HFPO-DA | 102 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |
| d5-NEtFOSAA | 99 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:27 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 907 Beecher Hill-EFF

Lab Sample ID: 620-7783-11

Date Collected: 10/20/22 09:37

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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 | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluoroheptanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorooctanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorononanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorodecanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorotridecanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| NEtFOSAA | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| NMeFOSAA | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluoroundecanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| Perfluorododecanoic acid | ND | | 1.93 | ng/L | | 10/31/22 11:38 | 11/04/22 07:39 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------|-----------|-----------|----------|----------------|----------------|---------|
| 13C2 PFDA | 86 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| 13C2 PFHxA | 104 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| 13C3 HFPO-DA | 102 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 07:39 | 1 |
| d5-NEtFOSAA | 113 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 07:39 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 152 Forest Edge-MID

Lab Sample ID: 620-7783-12

Date Collected: 10/20/22 10:16

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluoroheptanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorooctanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorononanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorodecanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorotridecanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| NEtFOSAA | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| NMeFOSAA | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluoroundecanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Perfluorododecanoic acid | ND | | 1.85 | ng/L | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 13C2 PFDA | 91 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| 13C2 PFHxA | 103 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| 13C3 HFPO-DA | 102 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |
| d5-NEtFOSAA | 101 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 07:51 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 152 Forest Edge-EFF

Lab Sample ID: 620-7783-13

Date Collected: 10/20/22 10:10

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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 | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluoroheptanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorooctanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorononanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorodecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorotridecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| NEtFOSAA | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| NMeFOSAA | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluoroundecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Perfluorododecanoic acid | ND | | 1.86 | ng/L | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 13C2 PFDA | 89 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| 13C2 PFHxA | 101 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| 13C3 HFPO-DA | 100 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |
| d5-NEtFOSAA | 99 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:02 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: 56 Forest Edge/685 Beecher Hill

Lab Sample ID: 620-7783-14

Date Collected: 10/20/22 10:50

Matrix: Drinking Water

Date Received: 10/21/22 09:10

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | 3.99 | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluoroheptanoic acid | 4.97 | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorooctanoic acid | 7.40 | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorononanoic acid | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorodecanoic acid | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorotridecanoic acid | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorobutanesulfonic acid | 1.96 | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorohexanesulfonic acid | 3.51 | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorooctanesulfonic acid | 4.75 | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| NEtFOSAA | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| NMeFOSAA | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluoroundecanoic acid | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Perfluorododecanoic acid | ND | | 1.89 | ng/L | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 13C2 PFDA | 89 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| 13C2 PFHxA | 108 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| 13C3 HFPO-DA | 104 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |
| d5-NEtFOSAA | 99 | | 70 - 130 | | | 10/31/22 11:38 | 11/04/22 08:14 | 1 |

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: FRB-101922

Lab Sample ID: 620-7783-15

Date Collected: 10/19/22 16:36

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.98 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| NMeFOSAA | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorobutanoic acid | ND | | 4.97 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorodecanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorododecanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluoroheptanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorohexanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorononanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorooctanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluoropentanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluorotridecanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| Perfluoroundecanoic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.97 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.98 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.99 | ng/L | | 11/02/22 07:18 | 11/09/22 07:45 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 84 | | 10 - 200 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| M2-6:2 FTS | 97 | | 17 - 200 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| M2-8:2 FTS | 82 | | 33 - 200 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C2 PFTeDA | 95 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C3 HFPO-DA | 79 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C3 PFBS | 98 | | 16 - 200 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C4 PFBA | 97 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C4 PFHpA | 89 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C5 PFPeA | 99 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C8 PFOA | 85 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C8 PFOS | 98 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| d3-NMeFOSAA | 111 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| d5-NEtFOSAA | 117 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| d9-N-EtFOSE-M | 94 | | 10 - 177 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C3 PFHxS | 91 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C5 PFHxA | 90 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C6 PFDA | 87 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C7 PFUnA | 92 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| d3-NMePFOSA | 61 | | 10 - 155 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| d5-NEtPFOSA | 67 | | 10 - 159 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C8 FOSA | 81 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C2-PFDoDA | 84 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |
| 13C9 PFNA | 102 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 07:45 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: EB-101922

Lab Sample ID: 620-7783-16

Date Collected: 10/19/22 16:50

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.74 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| NMeFOSAA | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorobutanoic acid | ND | | 4.57 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorodecanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorododecanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluoroheptanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorohexanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorononanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorooctanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluoropentanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluorotridecanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| Perfluoroundecanoic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.57 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.74 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.83 | ng/L | | 11/02/22 07:18 | 11/09/22 07:56 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 99 | | 10 - 200 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| M2-6:2 FTS | 99 | | 17 - 200 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| M2-8:2 FTS | 108 | | 33 - 200 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C2 PFTeDA | 125 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C3 HFPO-DA | 81 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C3 PFBS | 106 | | 16 - 200 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C4 PFBA | 103 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C4 PFHpA | 91 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C5 PFPeA | 102 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C8 PFOA | 95 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C8 PFOS | 111 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| d3-NMeFOSAA | 135 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| d5-NEtFOSAA | 145 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| d9-N-EtFOSE-M | 114 | | 10 - 177 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C3 PFHxS | 100 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C5 PFHxA | 91 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C6 PFDA | 101 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C7 PFUnA | 120 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| d3-NMePFOSA | 78 | | 10 - 155 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| d5-NEtPFOSA | 86 | | 10 - 159 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C8 FOSA | 101 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C2-PFDoDA | 117 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |
| 13C9 PFNA | 108 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 07:56 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: FRB-102022

Lab Sample ID: 620-7783-17

Date Collected: 10/20/22 13:34

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 3.03 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| NMeFOSAA | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorobutanoic acid | ND | | 5.05 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorodecanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorododecanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluoroheptanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorohexanoic acid | 13.9 | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorononanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorooctanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluoropentanoic acid | 12.0 | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluorotridecanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| Perfluoroundecanoic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.05 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.03 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.02 | ng/L | | 11/02/22 16:57 | 11/07/22 01:27 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 126 | | 10 - 200 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| M2-6:2 FTS | 103 | | 17 - 200 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| M2-8:2 FTS | 123 | | 33 - 200 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C2 PFTeDA | 91 | | 10 - 179 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C3 HFPO-DA | 89 | | 17 - 185 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C3 PFBS | 124 | | 16 - 200 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C4 PFBA | 104 | | 42 - 165 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C4 PFHpA | 101 | | 31 - 182 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C5 PFPeA | 111 | | 38 - 187 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C8 PFOA | 111 | | 48 - 162 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C8 PFOS | 107 | | 51 - 159 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| d3-NMeFOSAA | 101 | | 31 - 174 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| d5-NEtFOSAA | 115 | | 29 - 195 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| d9-N-EtFOSE-M | 66 | | 10 - 177 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C3 PFHxS | 107 | | 28 - 188 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C5 PFHxA | 103 | | 24 - 179 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C6 PFDA | 95 | | 49 - 163 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C7 PFUnA | 92 | | 34 - 174 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| d3-NMePFOSA | 45 | | 10 - 155 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| d5-NEtPFOSA | 48 | | 10 - 159 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C8 FOSA | 70 | | 10 - 168 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C2-PFDoDA | 80 | | 17 - 176 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |
| 13C9 PFNA | 105 | | 51 - 167 | 11/02/22 16:57 | 11/07/22 01:27 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-7783-2

Client Sample ID: MW-2D

Lab Sample ID: 620-7783-18

Date Collected: 10/20/22 14:08

Matrix: Water

Date Received: 10/21/22 09:10

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.81 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| NMeFOSAA | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorobutanoic acid | ND | | 4.68 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorodecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorododecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluoroheptanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorohexanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorononanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorooctanoic acid | 2.32 | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluoropentanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluorotridecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| Perfluoroundecanoic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.68 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.81 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.87 | ng/L | | 11/02/22 16:57 | 11/07/22 01:38 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 268 | *5+ | 10 - 200 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| M2-6:2 FTS | 124 | | 17 - 200 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| M2-8:2 FTS | 87 | | 33 - 200 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C2 PFTeDA | 75 | | 10 - 179 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C3 HFPO-DA | 90 | | 17 - 185 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C3 PFBS | 187 | | 16 - 200 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C4 PFBA | 109 | | 42 - 165 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C4 PFHpA | 113 | | 31 - 182 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C5 PFPeA | 145 | | 38 - 187 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C8 PFOA | 106 | | 48 - 162 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C8 PFOS | 109 | | 51 - 159 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| d3-NMeFOSAA | 94 | | 31 - 174 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| d5-NEtFOSAA | 93 | | 29 - 195 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| d9-N-EtFOSE-M | 61 | | 10 - 177 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C3 PFHxS | 115 | | 28 - 188 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C5 PFHxA | 107 | | 24 - 179 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C6 PFDA | 90 | | 49 - 163 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C7 PFUnA | 79 | | 34 - 174 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| d3-NMePFOSA | 47 | | 10 - 155 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| d5-NEtPFOSA | 51 | | 10 - 159 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C8 FOSA | 75 | | 10 - 168 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C2-PFDoDA | 68 | | 17 - 176 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |
| 13C9 PFNA | 109 | | 51 - 167 | 11/02/22 16:57 | 11/07/22 01:38 | 1 |

Eurofins New England

Surrogate Summary

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

Job ID: 620-7783-2

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

Matrix: Drinking Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | |
|---------------------|---------------------------------|--|-------------------|--------------------|---------------------|
| | | PFDA (70-130) | PFHxA (70-130) | HFPODA (70-130) | d5NEFOS (70-130) |
| 620-7783-7 | 907 Beecher-INF | 94 | 103 | 100 | 101 |
| 620-7783-8 | 907 Beecher Hill-INF-FD | 77 | 97 | 95 | 84 |
| 620-7783-9 | 152 Forest Edge-INF | 80 | 100 | 95 | 95 |
| 620-7783-10 | 907 Beecher Hill-MID | 93 | 104 | 102 | 99 |
| 620-7783-11 | 907 Beecher Hill-EFF | 86 | 104 | 102 | 113 |
| 620-7783-12 | 152 Forest Edge-MID | 91 | 103 | 102 | 101 |
| 620-7783-13 | 152 Forest Edge-EFF | 89 | 101 | 100 | 99 |
| 620-7783-14 | 56 Forest Edge/685 Beecher Hill | 89 | 108 | 104 | 99 |
| LCS 410-312260/2-A | Lab Control Sample | 88 | 107 | 102 | 99 |
| LCSD 410-312260/3-A | Lab Control Sample Dup | 97 | 101 | 99 | 100 |
| LLCS 410-312260/4-A | Lab Control Sample | 90 | 100 | 96 | 105 |
| MB 410-312260/1-A | Method Blank | 94 | 99 | 96 | 106 |

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: 620-7783-2

Method: 537 IDA - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---------------------|------------------------|---|---------------------|---------------------|-------------------|--------------------|--------------------|------------------|--------------------|
| Lab Sample ID | Client Sample ID | M242FTS (10-200) | M262FTS (17-200) | M282FTS (33-200) | PFTDA (10-179) | HFPODA (17-185) | C3PFBS (16-200) | PFBA (42-165) | C4PFHA (31-182) |
| 620-7783-1 | MW-2S | 300 *5+ | 311 *5+ | 159 | 78 | 66 | 194 | 121 | 95 |
| 620-7783-1 - RE | MW-2S | 237 *5+ | 213 *5+ | 108 | 2 *5- | 50 | 149 | 83 | 78 |
| 620-7783-2 | MW-3S | 282 *5+ | 307 *5+ | 158 | 73 | 56 | 229 *5+ | 114 | 83 |
| 620-7783-2 - RA | MW-3S | 292 *5+ | 284 *5+ | 159 | 61 | 59 | 205 *5+ | 116 | 83 |
| 620-7783-3 | MW-2S-FD | 267 *5+ | 273 *5+ | 151 | 9 *5- | 58 | 175 | 110 | 91 |
| 620-7783-3 - RE | MW-2S-FD | 268 *5+ | 248 *5+ | 141 | 44 | 61 | 187 | 100 | 89 |
| 620-7783-4 | MW-3D | 430 *5+ | 482 *5+ | 321 *5+ | 47 | 77 | 301 *5+ | 123 | 116 |
| 620-7783-4 - RA | MW-3D | 405 *5+ | 410 *5+ | 287 *5+ | 31 | 79 | 270 *5+ | 121 | 114 |
| 620-7783-4 - RE | MW-3D | 604 *5+ | 536 *5+ | 338 *5+ | 35 | 73 | 703 *5+ | 127 | 124 |
| 620-7783-5 | MW-4S | 386 *5+ | 487 *5+ | 304 *5+ | 23 | 64 | 277 *5+ | 123 | 97 |
| 620-7783-5 - RA | MW-4S | 400 *5+ | 399 *5+ | 283 *5+ | 19 | 69 | 242 *5+ | 123 | 98 |
| 620-7783-5 - RE | MW-4S | 290 *5+ | 272 *5+ | 160 | 99 | 73 | 162 | 104 | 106 |
| 620-7783-6 | MW-4D | 253 *5+ | 121 | 95 | 79 | 81 | 136 | 120 | 101 |
| 620-7783-15 | FRB-101922 | 84 | 97 | 82 | 95 | 79 | 98 | 97 | 89 |
| 620-7783-16 | EB-101922 | 99 | 99 | 108 | 125 | 81 | 106 | 103 | 91 |
| 620-7783-17 | FRB-102022 | 126 | 103 | 123 | 91 | 89 | 124 | 104 | 101 |
| 620-7783-18 | MW-2D | 268 *5+ | 124 | 87 | 75 | 90 | 187 | 109 | 113 |
| LCS 410-312948/2-A | Lab Control Sample | 100 | 100 | 111 | 111 | 80 | 110 | 103 | 95 |
| LCS 410-313258/2-A | Lab Control Sample | 120 | 94 | 95 | 103 | 101 | 117 | 115 | 121 |
| LCS 410-319040/2-A | Lab Control Sample | 125 | 114 | 115 | 106 | 90 | 104 | 99 | 102 |
| LCS 410-323487/2-A | Lab Control Sample | 99 | 104 | 101 | 89 | 69 | 100 | 96 | 99 |
| LCS 410-324721/2-A | Lab Control Sample | 90 | 97 | 106 | 101 | 78 | 97 | 98 | 98 |
| LCSD 410-312948/3-A | Lab Control Sample Dup | 117 | 126 | 129 | 138 | 94 | 130 | 125 | 111 |
| LCSD 410-313258/3-A | Lab Control Sample Dup | 109 | 89 | 103 | 109 | 82 | 112 | 113 | 110 |
| LCSD 410-319040/3-A | Lab Control Sample Dup | 113 | 113 | 111 | 117 | 78 | 97 | 97 | 98 |
| LCSD 410-323487/3-A | Lab Control Sample Dup | 125 | 124 | 121 | 103 | 79 | 125 | 116 | 114 |
| LCSD 410-324721/3-A | Lab Control Sample Dup | 93 | 104 | 102 | 97 | 81 | 102 | 97 | 94 |
| MB 410-312948/1-A | Method Blank | 107 | 112 | 116 | 113 | 82 | 114 | 109 | 103 |
| MB 410-313258/1-A | Method Blank | 106 | 93 | 87 | 86 | 79 | 112 | 108 | 106 |
| MB 410-319040/1-A | Method Blank | 127 | 118 | 119 | 117 | 94 | 115 | 103 | 108 |
| MB 410-323487/1-A | Method Blank | 105 | 106 | 103 | 85 | 70 | 109 | 100 | 102 |
| MB 410-324721/1-A | Method Blank | 93 | 103 | 101 | 95 | 82 | 95 | 98 | 97 |

| | | 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) |
| 620-7783-1 | MW-2S | 140 | 100 | 96 | 127 | 117 | 10 | 117 | 87 |
| 620-7783-1 - RE | MW-2S | 115 | 73 | 69 | 52 | 55 | 0.4 *5- | 81 | 70 |
| 620-7783-2 | MW-3S | 141 | 94 | 95 | 111 | 114 | 45 | 109 | 70 |
| 620-7783-2 - RA | MW-3S | 138 | 93 | 91 | 105 | 103 | 44 | 110 | 75 |
| 620-7783-3 | MW-2S-FD | 128 | 100 | 95 | 114 | 110 | 2 *5- | 107 | 77 |
| 620-7783-3 - RE | MW-2S-FD | 138 | 89 | 111 | 97 | 107 | 18 | 98 | 77 |
| 620-7783-4 | MW-3D | 182 | 103 | 115 | 122 | 145 | 7 *5- | 176 | 96 |
| 620-7783-4 - RA | MW-3D | 170 | 98 | 113 | 121 | 129 | 6 *5- | 160 | 98 |
| 620-7783-4 - RE | MW-3D | 286 *5+ | 100 | 117 | 124 | 135 | 6 *5- | 202 *5+ | 93 |
| 620-7783-5 | MW-4S | 165 | 99 | 110 | 125 | 140 | 5 *5- | 142 | 87 |
| 620-7783-5 - RA | MW-4S | 157 | 101 | 112 | 132 | 132 | 5 *5- | 145 | 90 |
| 620-7783-5 - RE | MW-4S | 126 | 99 | 103 | 89 | 100 | 58 | 119 | 88 |
| 620-7783-6 | MW-4D | 132 | 99 | 97 | 123 | 121 | 64 | 106 | 104 |
| 620-7783-15 | FRB-101922 | 99 | 85 | 98 | 111 | 117 | 94 | 91 | 90 |

Eurofins New England

Isotope Dilution Summary

Client: Stone Environmental

Job ID: 620-7783-2

Project/Site: Town of Hinesburg Landfill - Hinesburg,

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 | PFPeA (38-187) | C8PFOA (48-162) | C8PFOS (51-159) | d3NMFOS (31-174) | d5NEFOS (29-195) | NEFM (10-177) | C3PFHS (28-188) | 13C5PHA (24-179) |
| 620-7783-16 | EB-101922 | 102 | 95 | 111 | 135 | 145 | 114 | 100 | 91 |
| 620-7783-17 | FRB-102022 | 111 | 111 | 107 | 101 | 115 | 66 | 107 | 103 |
| 620-7783-18 | MW-2D | 145 | 106 | 109 | 94 | 93 | 61 | 115 | 107 |
| LCS 410-312948/2-A | Lab Control Sample | 108 | 96 | 110 | 131 | 122 | 91 | 101 | 90 |
| LCS 410-313258/2-A | Lab Control Sample | 124 | 115 | 123 | 122 | 121 | 95 | 120 | 123 |
| LCS 410-319040/2-A | Lab Control Sample | 99 | 103 | 114 | 103 | 108 | 46 | 105 | 99 |
| LCS 410-323487/2-A | Lab Control Sample | 98 | 99 | 101 | 96 | 97 | 85 | 102 | 94 |
| LCS 410-324721/2-A | Lab Control Sample | 100 | 90 | 102 | 89 | 100 | 83 | 88 | 90 |
| LCSD 410-312948/3-A | Lab Control Sample Dup | 127 | 110 | 122 | 148 | 143 | 104 | 119 | 110 |
| LCSD 410-313258/3-A | Lab Control Sample Dup | 113 | 102 | 109 | 131 | 117 | 89 | 110 | 116 |
| LCSD 410-319040/3-A | Lab Control Sample Dup | 96 | 99 | 109 | 104 | 107 | 62 | 102 | 96 |
| LCSD 410-323487/3-A | Lab Control Sample Dup | 123 | 114 | 125 | 119 | 122 | 92 | 120 | 108 |
| LCSD 410-324721/3-A | Lab Control Sample Dup | 103 | 92 | 105 | 102 | 106 | 77 | 98 | 90 |
| MB 410-312948/1-A | Method Blank | 113 | 99 | 118 | 134 | 134 | 107 | 103 | 100 |
| MB 410-313258/1-A | Method Blank | 110 | 101 | 101 | 107 | 101 | 72 | 104 | 105 |
| MB 410-319040/1-A | Method Blank | 104 | 112 | 120 | 108 | 120 | 64 | 114 | 107 |
| MB 410-323487/1-A | Method Blank | 105 | 100 | 107 | 107 | 103 | 85 | 100 | 101 |
| MB 410-324721/1-A | Method Blank | 102 | 96 | 102 | 94 | 97 | 92 | 91 | 91 |

| | | 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) |
| 620-7783-1 | MW-2S | 94 | 96 | 1 *5- | 2 *5- | 56 | 90 | 104 |
| 620-7783-1 - RE | MW-2S | 63 | 28 *5- | 0 *5- | 0 *5- | 16 | 8 *5- | 89 |
| 620-7783-2 | MW-3S | 85 | 91 | 14 | 15 | 74 | 77 | 90 |
| 620-7783-2 - RA | MW-3S | 90 | 85 | 16 | 15 | 74 | 74 | 86 |
| 620-7783-3 | MW-2S-FD | 91 | 84 | 0.2 *5- | 0.08 *5- | 57 | 55 | 99 |
| 620-7783-3 - RE | MW-2S-FD | 101 | 95 | 6 *5- | 5 *5- | 43 | 80 | 118 |
| 620-7783-4 | MW-3D | 105 | 114 | 0.4 *5- | 0.1 *5- | 32 | 98 | 95 |
| 620-7783-4 - RA | MW-3D | 101 | 107 | 0 *5- | 0 *5- | 33 | 86 | 99 |
| 620-7783-4 - RE | MW-3D | 110 | 114 | 1 *5- | 0.9 *5- | 37 | 91 | 89 |
| 620-7783-5 | MW-4S | 100 | 112 | 0.1 *5- | 0.1 *5- | 38 | 78 | 93 |
| 620-7783-5 - RA | MW-4S | 101 | 110 | 0 *5- | 0 *5- | 40 | 73 | 94 |
| 620-7783-5 - RE | MW-4S | 98 | 89 | 12 | 13 | 73 | 95 | 117 |
| 620-7783-6 | MW-4D | 89 | 103 | 20 | 19 | 94 | 89 | 103 |
| 620-7783-15 | FRB-101922 | 87 | 92 | 61 | 67 | 81 | 84 | 102 |
| 620-7783-16 | EB-101922 | 101 | 120 | 78 | 86 | 101 | 117 | 108 |
| 620-7783-17 | FRB-102022 | 95 | 92 | 45 | 48 | 70 | 80 | 105 |
| 620-7783-18 | MW-2D | 90 | 79 | 47 | 51 | 75 | 68 | 109 |
| LCS 410-312948/2-A | Lab Control Sample | 102 | 104 | 59 | 67 | 90 | 93 | 116 |
| LCS 410-313258/2-A | Lab Control Sample | 110 | 105 | 69 | 76 | 96 | 100 | 114 |
| LCS 410-319040/2-A | Lab Control Sample | 101 | 101 | 12 | 14 | 66 | 109 | 110 |
| LCS 410-323487/2-A | Lab Control Sample | 96 | 96 | 53 | 61 | 79 | 96 | 100 |
| LCS 410-324721/2-A | Lab Control Sample | 96 | 102 | 61 | 65 | 80 | 91 | 109 |
| LCSD 410-312948/3-A | Lab Control Sample Dup | 122 | 126 | 74 | 85 | 108 | 124 | 126 |
| LCSD 410-313258/3-A | Lab Control Sample Dup | 105 | 113 | 63 | 72 | 98 | 99 | 102 |
| LCSD 410-319040/3-A | Lab Control Sample Dup | 102 | 107 | 24 | 24 | 83 | 105 | 106 |
| LCSD 410-323487/3-A | Lab Control Sample Dup | 122 | 119 | 50 | 58 | 98 | 119 | 126 |
| LCSD 410-324721/3-A | Lab Control Sample Dup | 97 | 103 | 55 | 58 | 89 | 95 | 117 |
| MB 410-312948/1-A | Method Blank | 106 | 112 | 66 | 75 | 98 | 108 | 121 |
| MB 410-313258/1-A | Method Blank | 88 | 91 | 51 | 58 | 86 | 83 | 98 |

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Isotope Dilution Summary

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

Job ID: 620-7783-2

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 410-319040/1-A | Method Blank | 109 | 116 | 21 | 22 | 80 | 114 | 112 |
| MB 410-323487/1-A | Method Blank | 99 | 102 | 50 | 55 | 83 | 99 | 106 |
| MB 410-324721/1-A | Method Blank | 96 | 90 | 57 | 63 | 82 | 94 | 113 |

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: 620-7783-2

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-312948/1-A
Matrix: Water
Analysis Batch: 315143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 312948

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 3.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| NMeFOSAA | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorobutanoic acid | ND | | 5.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorodecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorododecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluoroheptanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorohexanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorononanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorooctanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluoropentanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluorotridecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| Perfluoroundecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 07:18 | 11/09/22 03:52 | 1 |

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|--------------|--------------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 107 | | 10 - 200 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| M2-6:2 FTS | 112 | | 17 - 200 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| M2-8:2 FTS | 116 | | 33 - 200 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C2 PFTeDA | 113 | | 10 - 179 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C3 HFPO-DA | 82 | | 17 - 185 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C3 PFBS | 114 | | 16 - 200 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C4 PFBA | 109 | | 42 - 165 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C4 PFHpA | 103 | | 31 - 182 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C5 PFPeA | 113 | | 38 - 187 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C8 PFOA | 99 | | 48 - 162 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C8 PFOS | 118 | | 51 - 159 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| d3-NMeFOSAA | 134 | | 31 - 174 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| d5-NEtFOSAA | 134 | | 29 - 195 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| d9-N-EtFOSE-M | 107 | | 10 - 177 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C3 PFHxS | 103 | | 28 - 188 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C5 PFHxA | 100 | | 24 - 179 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C6 PFDA | 106 | | 49 - 163 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C7 PFUnA | 112 | | 34 - 174 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| d3-NMePFOSA | 66 | | 10 - 155 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| d5-NEtPFOSA | 75 | | 10 - 159 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C8 FOSA | 98 | | 10 - 168 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |
| 13C2-PFDoDA | 108 | | 17 - 176 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: MB 410-312948/1-A
Matrix: Water
Analysis Batch: 315143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 312948

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C9 PFNA | 121 | | 51 - 167 | 11/02/22 07:18 | 11/09/22 03:52 | 1 |

Lab Sample ID: LCS 410-312948/2-A
Matrix: Water
Analysis Batch: 315143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 312948

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------------------------|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | |
| NEtFOSAA | 25.6 | 25.73 | | ng/L | | 101 | 55 - 134 |
| NMeFOSAA | 25.6 | 24.51 | | ng/L | | 96 | 59 - 140 |
| Perfluorobutanesulfonic acid | 22.7 | 24.52 | | ng/L | | 108 | 53 - 138 |
| Perfluorobutanoic acid | 25.6 | 22.38 | | ng/L | | 87 | 59 - 136 |
| Perfluorodecanesulfonic acid | 24.7 | 24.29 | | ng/L | | 98 | 55 - 137 |
| Perfluorodecanoic acid | 25.6 | 26.38 | | ng/L | | 103 | 56 - 138 |
| Perfluorododecanoic acid | 25.6 | 26.85 | | ng/L | | 105 | 59 - 143 |
| Perfluoroheptanesulfonic acid | 24.4 | 23.06 | | ng/L | | 95 | 56 - 140 |
| Perfluoroheptanoic acid | 25.6 | 27.99 | | ng/L | | 109 | 59 - 145 |
| Perfluorohexanesulfonic acid | 23.3 | 22.77 | | ng/L | | 98 | 58 - 134 |
| Perfluorohexanoic acid | 25.6 | 27.27 | | ng/L | | 107 | 58 - 139 |
| Perfluorononanesulfonic acid | 24.6 | 23.39 | | ng/L | | 95 | 59 - 136 |
| Perfluorononanoic acid | 25.6 | 25.12 | | ng/L | | 98 | 61 - 139 |
| Perfluorooctanesulfonamide | 25.6 | 26.96 | | ng/L | | 105 | 43 - 167 |
| Perfluorooctanesulfonic acid | 23.7 | 24.27 | | ng/L | | 102 | 45 - 150 |
| Perfluorooctanoic acid | 25.6 | 25.90 | | ng/L | | 101 | 51 - 145 |
| Perfluoropentanesulfonic acid | 24.0 | 24.30 | | ng/L | | 101 | 55 - 140 |
| Perfluoropentanoic acid | 25.6 | 24.70 | | ng/L | | 97 | 57 - 141 |
| Perfluorotetradecanoic acid | 25.6 | 26.96 | | ng/L | | 105 | 62 - 139 |
| Perfluorotridecanoic acid | 25.6 | 31.74 | | ng/L | | 124 | 58 - 146 |
| Perfluoroundecanoic acid | 25.6 | 27.61 | | ng/L | | 108 | 60 - 141 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 25.39 | | ng/L | | 105 | 28 - 173 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 21.92 | | ng/L | | 89 | 55 - 138 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 23.73 | | ng/L | | 99 | 55 - 139 |

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 100 | | 10 - 200 |
| M2-6:2 FTS | 100 | | 17 - 200 |
| M2-8:2 FTS | 111 | | 33 - 200 |
| 13C2 PFTeDA | 111 | | 10 - 179 |
| 13C3 HFPO-DA | 80 | | 17 - 185 |
| 13C3 PFBS | 110 | | 16 - 200 |
| 13C4 PFBA | 103 | | 42 - 165 |
| 13C4 PFHpA | 95 | | 31 - 182 |
| 13C5 PFPeA | 108 | | 38 - 187 |
| 13C8 PFOA | 96 | | 48 - 162 |
| 13C8 PFOS | 110 | | 51 - 159 |
| d3-NMeFOSAA | 131 | | 31 - 174 |
| d5-NEtFOSAA | 122 | | 29 - 195 |
| d9-N-EtFOSE-M | 91 | | 10 - 177 |
| 13C3 PFHxS | 101 | | 28 - 188 |
| 13C5 PFHxA | 90 | | 24 - 179 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCS 410-312948/2-A
Matrix: Water
Analysis Batch: 315143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 312948

| Isotope Dilution | LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C6 PFDA | 102 | | 49 - 163 |
| 13C7 PFUnA | 104 | | 34 - 174 |
| d3-NMePFOSA | 59 | | 10 - 155 |
| d5-NEtPFOSA | 67 | | 10 - 159 |
| 13C8 FOSA | 90 | | 10 - 168 |
| 13C2-PFDoDA | 93 | | 17 - 176 |
| 13C9 PFNA | 116 | | 51 - 167 |

Lab Sample ID: LCSD 410-312948/3-A
Matrix: Water
Analysis Batch: 315143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 312948

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| NEtFOSAA | 25.6 | 23.26 | | ng/L | | 91 | 55 - 134 | 10 | 30 | |
| NMeFOSAA | 25.6 | 24.82 | | ng/L | | 97 | 59 - 140 | 1 | 30 | |
| Perfluorobutanesulfonic acid | 22.7 | 22.26 | | ng/L | | 98 | 53 - 138 | 10 | 30 | |
| Perfluorobutanoic acid | 25.6 | 20.66 | | ng/L | | 81 | 59 - 136 | 8 | 30 | |
| Perfluorodecanesulfonic acid | 24.7 | 23.62 | | ng/L | | 96 | 55 - 137 | 3 | 30 | |
| Perfluorodecanoic acid | 25.6 | 25.74 | | ng/L | | 101 | 56 - 138 | 2 | 30 | |
| Perfluorododecanoic acid | 25.6 | 23.68 | | ng/L | | 93 | 59 - 143 | 13 | 30 | |
| Perfluoroheptanesulfonic acid | 24.4 | 21.55 | | ng/L | | 88 | 56 - 140 | 7 | 30 | |
| Perfluoroheptanoic acid | 25.6 | 22.55 | | ng/L | | 88 | 59 - 145 | 22 | 30 | |
| Perfluorohexanesulfonic acid | 23.3 | 20.44 | | ng/L | | 88 | 58 - 134 | 11 | 30 | |
| Perfluorohexanoic acid | 25.6 | 23.00 | | ng/L | | 90 | 58 - 139 | 17 | 30 | |
| Perfluorononanesulfonic acid | 24.6 | 22.97 | | ng/L | | 93 | 59 - 136 | 2 | 30 | |
| Perfluorononanoic acid | 25.6 | 23.43 | | ng/L | | 92 | 61 - 139 | 7 | 30 | |
| Perfluorooctanesulfonamide | 25.6 | 26.12 | | ng/L | | 102 | 43 - 167 | 3 | 30 | |
| Perfluorooctanesulfonic acid | 23.7 | 22.51 | | ng/L | | 95 | 45 - 150 | 8 | 30 | |
| Perfluorooctanoic acid | 25.6 | 25.11 | | ng/L | | 98 | 51 - 145 | 3 | 30 | |
| Perfluoropentanesulfonic acid | 24.0 | 23.76 | | ng/L | | 99 | 55 - 140 | 2 | 30 | |
| Perfluoropentanoic acid | 25.6 | 23.08 | | ng/L | | 90 | 57 - 141 | 7 | 30 | |
| Perfluorotetradecanoic acid | 25.6 | 26.59 | | ng/L | | 104 | 62 - 139 | 1 | 30 | |
| Perfluorotridecanoic acid | 25.6 | 26.66 | | ng/L | | 104 | 58 - 146 | 17 | 30 | |
| Perfluoroundecanoic acid | 25.6 | 25.13 | | ng/L | | 98 | 60 - 141 | 9 | 30 | |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 21.48 | | ng/L | | 89 | 28 - 173 | 17 | 30 | |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 19.73 | | ng/L | | 80 | 55 - 138 | 11 | 30 | |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 21.55 | | ng/L | | 90 | 55 - 139 | 10 | 30 | |

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 117 | | 10 - 200 |
| M2-6:2 FTS | 126 | | 17 - 200 |
| M2-8:2 FTS | 129 | | 33 - 200 |
| 13C2 PFTeDA | 138 | | 10 - 179 |
| 13C3 HFPO-DA | 94 | | 17 - 185 |
| 13C3 PFBS | 130 | | 16 - 200 |
| 13C4 PFBA | 125 | | 42 - 165 |
| 13C4 PFHpA | 111 | | 31 - 182 |
| 13C5 PFPeA | 127 | | 38 - 187 |
| 13C8 PFOA | 110 | | 48 - 162 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCSD 410-312948/3-A
Matrix: Water
Analysis Batch: 315143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 312948

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|-------------------------|------------------|------------------|---------------|
| 13C8 PFOS | 122 | | 51 - 159 |
| d3-NMeFOSAA | 148 | | 31 - 174 |
| d5-NEtFOSAA | 143 | | 29 - 195 |
| d9-N-EtFOSE-M | 104 | | 10 - 177 |
| 13C3 PFHxS | 119 | | 28 - 188 |
| 13C5 PFHxA | 110 | | 24 - 179 |
| 13C6 PFDA | 122 | | 49 - 163 |
| 13C7 PFUnA | 126 | | 34 - 174 |
| d3-NMePFOSA | 74 | | 10 - 155 |
| d5-NEtPFOSA | 85 | | 10 - 159 |
| 13C8 FOSA | 108 | | 10 - 168 |
| 13C2-PFDODA | 124 | | 17 - 176 |
| 13C9 PFNA | 126 | | 51 - 167 |

Lab Sample ID: MB 410-313258/1-A
Matrix: Water
Analysis Batch: 314390

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 313258

| <i>Analyte</i> | <i>Result</i> | <i>Qualifier</i> | <i>RL</i> | <i>Unit</i> | <i>D</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|---------------------------------|---------------|------------------|-----------|-------------|----------|-----------------|-----------------|----------------|
| NEtFOSAA | ND | | 3.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| NMeFOSAA | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorobutanoic acid | ND | | 5.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorodecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorododecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluoroheptanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorohexanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorononanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorooctanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluoropentanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluorotridecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| Perfluoroundecanoic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.00 | ng/L | | 11/02/22 16:57 | 11/06/22 21:23 | 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 | 106 | | 10 - 200 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| M2-6:2 FTS | 93 | | 17 - 200 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| M2-8:2 FTS | 87 | | 33 - 200 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C2 PFTeDA | 86 | | 10 - 179 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: MB 410-313258/1-A
Matrix: Water
Analysis Batch: 314390

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 313258

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C3 HFPO-DA | 79 | | 17 - 185 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C3 PFBS | 112 | | 16 - 200 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C4 PFBA | 108 | | 42 - 165 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C4 PFHpA | 106 | | 31 - 182 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C5 PFPeA | 110 | | 38 - 187 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C8 PFOA | 101 | | 48 - 162 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C8 PFOS | 101 | | 51 - 159 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| d3-NMeFOSAA | 107 | | 31 - 174 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| d5-NEtFOSAA | 101 | | 29 - 195 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| d9-N-EtFOSE-M | 72 | | 10 - 177 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C3 PFHxS | 104 | | 28 - 188 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C5 PFHxA | 105 | | 24 - 179 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C6 PFDA | 88 | | 49 - 163 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C7 PFUnA | 91 | | 34 - 174 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| d3-NMePFOSA | 51 | | 10 - 155 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| d5-NEtPFOSA | 58 | | 10 - 159 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C8 FOSA | 86 | | 10 - 168 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C2-PFDoDA | 83 | | 17 - 176 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |
| 13C9 PFNA | 98 | | 51 - 167 | 11/02/22 16:57 | 11/06/22 21:23 | 1 |

Lab Sample ID: LCS 410-313258/2-A
Matrix: Water
Analysis Batch: 314390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 313258

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------|-------------|------------|---------------|------|---|------|-------------|
| | | | | | | | |
| NMeFOSAA | 25.6 | 22.18 | | ng/L | | 87 | 59 - 140 |
| Perfluorobutanesulfonic acid | 22.7 | 22.39 | | ng/L | | 99 | 53 - 138 |
| Perfluorobutanoic acid | 25.6 | 21.18 | | ng/L | | 83 | 59 - 136 |
| Perfluorodecanesulfonic acid | 24.7 | 18.58 | | ng/L | | 75 | 55 - 137 |
| Perfluorodecanoic acid | 25.6 | 22.14 | | ng/L | | 86 | 56 - 138 |
| Perfluorododecanoic acid | 25.6 | 24.81 | | ng/L | | 97 | 59 - 143 |
| Perfluoroheptanesulfonic acid | 24.4 | 20.90 | | ng/L | | 86 | 56 - 140 |
| Perfluoroheptanoic acid | 25.6 | 22.62 | | ng/L | | 88 | 59 - 145 |
| Perfluorohexanesulfonic acid | 23.3 | 20.11 | | ng/L | | 86 | 58 - 134 |
| Perfluorohexanoic acid | 25.6 | 23.10 | | ng/L | | 90 | 58 - 139 |
| Perfluorononanesulfonic acid | 24.6 | 20.06 | | ng/L | | 82 | 59 - 136 |
| Perfluorononanoic acid | 25.6 | 24.41 | | ng/L | | 95 | 61 - 139 |
| Perfluorooctanesulfonamide | 25.6 | 25.82 | | ng/L | | 101 | 43 - 167 |
| Perfluorooctanesulfonic acid | 23.7 | 21.22 | | ng/L | | 90 | 45 - 150 |
| Perfluorooctanoic acid | 25.6 | 23.65 | | ng/L | | 92 | 51 - 145 |
| Perfluoropentanesulfonic acid | 24.0 | 22.80 | | ng/L | | 95 | 55 - 140 |
| Perfluoropentanoic acid | 25.6 | 21.70 | | ng/L | | 85 | 57 - 141 |
| Perfluorotetradecanoic acid | 25.6 | 24.27 | | ng/L | | 95 | 62 - 139 |
| Perfluorotridecanoic acid | 25.6 | 23.39 | | ng/L | | 91 | 58 - 146 |
| Perfluoroundecanoic acid | 25.6 | 23.05 | | ng/L | | 90 | 60 - 141 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 22.16 | | ng/L | | 91 | 28 - 173 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 21.13 | | ng/L | | 86 | 55 - 138 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 20.06 | | ng/L | | 84 | 55 - 139 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 120 | | 10 - 200 |
| M2-6:2 FTS | 94 | | 17 - 200 |
| M2-8:2 FTS | 95 | | 33 - 200 |
| 13C2 PFTeDA | 103 | | 10 - 179 |
| 13C3 HFPO-DA | 101 | | 17 - 185 |
| 13C3 PFBS | 117 | | 16 - 200 |
| 13C4 PFBA | 115 | | 42 - 165 |
| 13C4 PFHpA | 121 | | 31 - 182 |
| 13C5 PFPeA | 124 | | 38 - 187 |
| 13C8 PFOA | 115 | | 48 - 162 |
| 13C8 PFOS | 123 | | 51 - 159 |
| d3-NMeFOSAA | 122 | | 31 - 174 |
| d5-NEtFOSAA | 121 | | 29 - 195 |
| d9-N-EtFOSE-M | 95 | | 10 - 177 |
| 13C3 PFHxS | 120 | | 28 - 188 |
| 13C5 PFHxA | 123 | | 24 - 179 |
| 13C6 PFDA | 110 | | 49 - 163 |
| 13C7 PFUnA | 105 | | 34 - 174 |
| d3-NMePFOSA | 69 | | 10 - 155 |
| d5-NEtPFOSA | 76 | | 10 - 159 |
| 13C8 FOSA | 96 | | 10 - 168 |
| 13C2-PFDoDA | 100 | | 17 - 176 |
| 13C9 PFNA | 114 | | 51 - 167 |

Lab Sample ID: LCSD 410-313258/3-A
Matrix: Water
Analysis Batch: 314390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 313258

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------------------------------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| NEtFOSAA | 25.6 | 23.16 | | ng/L | | 90 | 55 - 134 | 3 | 30 | |
| NMeFOSAA | 25.6 | 20.82 | | ng/L | | 81 | 59 - 140 | 6 | 30 | |
| Perfluorobutanesulfonic acid | 22.7 | 22.62 | | ng/L | | 100 | 53 - 138 | 1 | 30 | |
| Perfluorobutanoic acid | 25.6 | 21.15 | | ng/L | | 83 | 59 - 136 | 0 | 30 | |
| Perfluorodecanesulfonic acid | 24.7 | 19.49 | | ng/L | | 79 | 55 - 137 | 5 | 30 | |
| Perfluorodecanoic acid | 25.6 | 24.64 | | ng/L | | 96 | 56 - 138 | 11 | 30 | |
| Perfluorododecanoic acid | 25.6 | 22.80 | | ng/L | | 89 | 59 - 143 | 8 | 30 | |
| Perfluoroheptanesulfonic acid | 24.4 | 20.79 | | ng/L | | 85 | 56 - 140 | 1 | 30 | |
| Perfluoroheptanoic acid | 25.6 | 20.73 | | ng/L | | 81 | 59 - 145 | 9 | 30 | |
| Perfluorohexanesulfonic acid | 23.3 | 19.56 | | ng/L | | 84 | 58 - 134 | 3 | 30 | |
| Perfluorohexanoic acid | 25.6 | 22.54 | | ng/L | | 88 | 58 - 139 | 2 | 30 | |
| Perfluorononanesulfonic acid | 24.6 | 20.47 | | ng/L | | 83 | 59 - 136 | 2 | 30 | |
| Perfluorononanoic acid | 25.6 | 24.17 | | ng/L | | 94 | 61 - 139 | 1 | 30 | |
| Perfluorooctanesulfonamide | 25.6 | 25.60 | | ng/L | | 100 | 43 - 167 | 1 | 30 | |
| Perfluorooctanesulfonic acid | 23.7 | 22.01 | | ng/L | | 93 | 45 - 150 | 4 | 30 | |
| Perfluorooctanoic acid | 25.6 | 23.57 | | ng/L | | 92 | 51 - 145 | 0 | 30 | |
| Perfluoropentanesulfonic acid | 24.0 | 23.25 | | ng/L | | 97 | 55 - 140 | 2 | 30 | |
| Perfluoropentanoic acid | 25.6 | 24.02 | | ng/L | | 94 | 57 - 141 | 10 | 30 | |
| Perfluorotetradecanoic acid | 25.6 | 23.39 | | ng/L | | 91 | 62 - 139 | 4 | 30 | |
| Perfluorotridecanoic acid | 25.6 | 24.64 | | ng/L | | 96 | 58 - 146 | 5 | 30 | |
| Perfluoroundecanoic acid | 25.6 | 23.00 | | ng/L | | 90 | 60 - 141 | 0 | 30 | |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 22.29 | | ng/L | | 92 | 28 - 173 | 1 | 30 | |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 19.65 | | ng/L | | 80 | 55 - 138 | 7 | 30 | |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCSD 410-313258/3-A
Matrix: Water
Analysis Batch: 314390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 313258

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------|------------------|------------------|----------------|------|---|------|-------------|-----|-----------|
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 20.15 | | ng/L | | 84 | 55 - 139 | 0 | 30 |
| Isotope Dilution | | | | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | | |
| M2-4:2 FTS | 109 | | 10 - 200 | | | | | | |
| M2-6:2 FTS | 89 | | 17 - 200 | | | | | | |
| M2-8:2 FTS | 103 | | 33 - 200 | | | | | | |
| 13C2 PFTeDA | 109 | | 10 - 179 | | | | | | |
| 13C3 HFPO-DA | 82 | | 17 - 185 | | | | | | |
| 13C3 PFBS | 112 | | 16 - 200 | | | | | | |
| 13C4 PFBA | 113 | | 42 - 165 | | | | | | |
| 13C4 PFHpA | 110 | | 31 - 182 | | | | | | |
| 13C5 PFPeA | 113 | | 38 - 187 | | | | | | |
| 13C8 PFOA | 102 | | 48 - 162 | | | | | | |
| 13C8 PFOS | 109 | | 51 - 159 | | | | | | |
| d3-NMeFOSAA | 131 | | 31 - 174 | | | | | | |
| d5-NEtFOSAA | 117 | | 29 - 195 | | | | | | |
| d9-N-EtFOSE-M | 89 | | 10 - 177 | | | | | | |
| 13C3 PFHxS | 110 | | 28 - 188 | | | | | | |
| 13C5 PFHxA | 116 | | 24 - 179 | | | | | | |
| 13C6 PFDA | 105 | | 49 - 163 | | | | | | |
| 13C7 PFUnA | 113 | | 34 - 174 | | | | | | |
| d3-NMePFOSA | 63 | | 10 - 155 | | | | | | |
| d5-NEtPFOSA | 72 | | 10 - 159 | | | | | | |
| 13C8 FOSA | 98 | | 10 - 168 | | | | | | |
| 13C2-PFDoDA | 99 | | 17 - 176 | | | | | | |
| 13C9 PFNA | 102 | | 51 - 167 | | | | | | |

Lab Sample ID: MB 410-319040/1-A
Matrix: Water
Analysis Batch: 319424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319040

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|--------------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 3.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| NMeFOSAA | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorobutanoic acid | ND | | 5.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorodecanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorododecanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluoroheptanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorohexanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorononanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorooctanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: MB 410-319040/1-A
Matrix: Water
Analysis Batch: 319424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319040

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------------|--------------|----------|------|---|----------------|----------------|---------|
| Perfluoropentanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluorotridecanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Perfluoroundecanoic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.00 | ng/L | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| M2-4:2 FTS | 127 | | 10 - 200 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| M2-6:2 FTS | 118 | | 17 - 200 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| M2-8:2 FTS | 119 | | 33 - 200 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C2 PFTeDA | 117 | | 10 - 179 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C3 HFPO-DA | 94 | | 17 - 185 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C3 PFBS | 115 | | 16 - 200 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C4 PFBA | 103 | | 42 - 165 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C4 PFHpA | 108 | | 31 - 182 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C5 PFPeA | 104 | | 38 - 187 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C8 PFOA | 112 | | 48 - 162 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C8 PFOS | 120 | | 51 - 159 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| d3-NMeFOSAA | 108 | | 31 - 174 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| d5-NEtFOSAA | 120 | | 29 - 195 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| d9-N-EtFOSE-M | 64 | | 10 - 177 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C3 PFHxS | 114 | | 28 - 188 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C5 PFHxA | 107 | | 24 - 179 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C6 PFDA | 109 | | 49 - 163 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C7 PFUnA | 116 | | 34 - 174 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| d3-NMePFOSA | 21 | | 10 - 155 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| d5-NEtPFOSA | 22 | | 10 - 159 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C8 FOSA | 80 | | 10 - 168 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C2-PFDoDA | 114 | | 17 - 176 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |
| 13C9 PFNA | 112 | | 51 - 167 | | | 11/18/22 10:10 | 11/20/22 15:34 | 1 |

Lab Sample ID: LCS 410-319040/2-A
Matrix: Water
Analysis Batch: 319424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319040

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| NEtFOSAA | 25.6 | 25.22 | | ng/L | | 99 | 55 - 134 |
| NMeFOSAA | 25.6 | 23.18 | | ng/L | | 91 | 59 - 140 |
| Perfluorobutanesulfonic acid | 22.7 | 22.48 | | ng/L | | 99 | 53 - 138 |
| Perfluorobutanoic acid | 25.6 | 22.32 | | ng/L | | 87 | 59 - 136 |
| Perfluorodecanesulfonic acid | 24.7 | 22.17 | | ng/L | | 90 | 55 - 137 |
| Perfluorodecanoic acid | 25.6 | 25.27 | | ng/L | | 99 | 56 - 138 |
| Perfluorododecanoic acid | 25.6 | 23.44 | | ng/L | | 92 | 59 - 143 |
| Perfluoroheptanesulfonic acid | 24.4 | 21.61 | | ng/L | | 89 | 56 - 140 |
| Perfluoroheptanoic acid | 25.6 | 24.37 | | ng/L | | 95 | 59 - 145 |
| Perfluorohexanesulfonic acid | 23.3 | 22.55 | | ng/L | | 97 | 58 - 134 |
| Perfluorohexanoic acid | 25.6 | 23.84 | | ng/L | | 93 | 58 - 139 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCS 410-319040/2-A
Matrix: Water
Analysis Batch: 319424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319040

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Perfluorononanesulfonic acid | 24.6 | 22.80 | | ng/L | | 93 | 59 - 136 |
| Perfluorononanoic acid | 25.6 | 24.70 | | ng/L | | 96 | 61 - 139 |
| Perfluorooctanesulfonamide | 25.6 | 25.41 | | ng/L | | 99 | 43 - 167 |
| Perfluorooctanesulfonic acid | 23.7 | 22.92 | | ng/L | | 97 | 45 - 150 |
| Perfluorooctanoic acid | 25.6 | 23.27 | | ng/L | | 91 | 51 - 145 |
| Perfluoropentanesulfonic acid | 24.0 | 22.74 | | ng/L | | 95 | 55 - 140 |
| Perfluoropentanoic acid | 25.6 | 24.07 | | ng/L | | 94 | 57 - 141 |
| Perfluorotetradecanoic acid | 25.6 | 23.60 | | ng/L | | 92 | 62 - 139 |
| Perfluorotridecanoic acid | 25.6 | 23.81 | | ng/L | | 93 | 58 - 146 |
| Perfluoroundecanoic acid | 25.6 | 25.66 | | ng/L | | 100 | 60 - 141 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 23.21 | | ng/L | | 96 | 28 - 173 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 23.26 | | ng/L | | 95 | 55 - 138 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 22.29 | | ng/L | | 93 | 55 - 139 |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|------------------|---------------|---------------|----------|
| M2-4:2 FTS | 125 | | 10 - 200 |
| M2-6:2 FTS | 114 | | 17 - 200 |
| M2-8:2 FTS | 115 | | 33 - 200 |
| 13C2 PFTeDA | 106 | | 10 - 179 |
| 13C3 HFPO-DA | 90 | | 17 - 185 |
| 13C3 PFBS | 104 | | 16 - 200 |
| 13C4 PFBA | 99 | | 42 - 165 |
| 13C4 PFHpA | 102 | | 31 - 182 |
| 13C5 PFPeA | 99 | | 38 - 187 |
| 13C8 PFOA | 103 | | 48 - 162 |
| 13C8 PFOS | 114 | | 51 - 159 |
| d3-NMeFOSAA | 103 | | 31 - 174 |
| d5-NEtFOSAA | 108 | | 29 - 195 |
| d9-N-EtFOSE-M | 46 | | 10 - 177 |
| 13C3 PFHxS | 105 | | 28 - 188 |
| 13C5 PFHxA | 99 | | 24 - 179 |
| 13C6 PFDA | 101 | | 49 - 163 |
| 13C7 PFUnA | 101 | | 34 - 174 |
| d3-NMePFOSA | 12 | | 10 - 155 |
| d5-NEtPFOSA | 14 | | 10 - 159 |
| 13C8 FOSA | 66 | | 10 - 168 |
| 13C2-PFDoDA | 109 | | 17 - 176 |
| 13C9 PFNA | 110 | | 51 - 167 |

Lab Sample ID: LCSD 410-319040/3-A
Matrix: Water
Analysis Batch: 319424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 319040

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| NEtFOSAA | 25.6 | 25.99 | | ng/L | | 102 | 55 - 134 | 3 | 30 |
| NMeFOSAA | 25.6 | 25.42 | | ng/L | | 99 | 59 - 140 | 9 | 30 |
| Perfluorobutanesulfonic acid | 22.7 | 23.72 | | ng/L | | 105 | 53 - 138 | 5 | 30 |
| Perfluorobutanoic acid | 25.6 | 22.32 | | ng/L | | 87 | 59 - 136 | 0 | 30 |
| Perfluorodecanesulfonic acid | 24.7 | 22.40 | | ng/L | | 91 | 55 - 137 | 1 | 30 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCSD 410-319040/3-A
Matrix: Water
Analysis Batch: 319424

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 319040

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| | | | | | | | | | |
| Perfluorodecanoic acid | 25.6 | 25.68 | | ng/L | | 100 | 56 - 138 | 2 | 30 |
| Perfluorododecanoic acid | 25.6 | 25.20 | | ng/L | | 98 | 59 - 143 | 7 | 30 |
| Perfluoroheptanesulfonic acid | 24.4 | 22.70 | | ng/L | | 93 | 56 - 140 | 5 | 30 |
| Perfluoroheptanoic acid | 25.6 | 24.86 | | ng/L | | 97 | 59 - 145 | 2 | 30 |
| Perfluorohexanesulfonic acid | 23.3 | 21.91 | | ng/L | | 94 | 58 - 134 | 3 | 30 |
| Perfluorohexanoic acid | 25.6 | 23.88 | | ng/L | | 93 | 58 - 139 | 0 | 30 |
| Perfluorononanesulfonic acid | 24.6 | 22.88 | | ng/L | | 93 | 59 - 136 | 0 | 30 |
| Perfluorononanoic acid | 25.6 | 25.43 | | ng/L | | 99 | 61 - 139 | 3 | 30 |
| Perfluorooctanesulfonamide | 25.6 | 24.39 | | ng/L | | 95 | 43 - 167 | 4 | 30 |
| Perfluorooctanesulfonic acid | 23.7 | 23.37 | | ng/L | | 99 | 45 - 150 | 2 | 30 |
| Perfluorooctanoic acid | 25.6 | 24.04 | | ng/L | | 94 | 51 - 145 | 3 | 30 |
| Perfluoropentanesulfonic acid | 24.0 | 24.05 | | ng/L | | 100 | 55 - 140 | 6 | 30 |
| Perfluoropentanoic acid | 25.6 | 23.93 | | ng/L | | 93 | 57 - 141 | 1 | 30 |
| Perfluorotetradecanoic acid | 25.6 | 25.50 | | ng/L | | 100 | 62 - 139 | 8 | 30 |
| Perfluorotridecanoic acid | 25.6 | 25.99 | | ng/L | | 102 | 58 - 146 | 9 | 30 |
| Perfluoroundecanoic acid | 25.6 | 24.04 | | ng/L | | 94 | 60 - 141 | 7 | 30 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 23.19 | | ng/L | | 96 | 28 - 173 | 0 | 30 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 24.85 | | ng/L | | 101 | 55 - 138 | 7 | 30 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 22.82 | | ng/L | | 95 | 55 - 139 | 2 | 30 |

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 113 | | 10 - 200 |
| M2-6:2 FTS | 113 | | 17 - 200 |
| M2-8:2 FTS | 111 | | 33 - 200 |
| 13C2 PFTeDA | 117 | | 10 - 179 |
| 13C3 HFPO-DA | 78 | | 17 - 185 |
| 13C3 PFBS | 97 | | 16 - 200 |
| 13C4 PFBA | 97 | | 42 - 165 |
| 13C4 PFHpA | 98 | | 31 - 182 |
| 13C5 PFPeA | 96 | | 38 - 187 |
| 13C8 PFOA | 99 | | 48 - 162 |
| 13C8 PFOS | 109 | | 51 - 159 |
| d3-NMeFOSAA | 104 | | 31 - 174 |
| d5-NEtFOSAA | 107 | | 29 - 195 |
| d9-N-EtFOSE-M | 62 | | 10 - 177 |
| 13C3 PFHxS | 102 | | 28 - 188 |
| 13C5 PFHxA | 96 | | 24 - 179 |
| 13C6 PFDA | 102 | | 49 - 163 |
| 13C7 PFUnA | 107 | | 34 - 174 |
| d3-NMePFOSA | 24 | | 10 - 155 |
| d5-NEtPFOSA | 24 | | 10 - 159 |
| 13C8 FOSA | 83 | | 10 - 168 |
| 13C2-PFDoDA | 105 | | 17 - 176 |
| 13C9 PFNA | 106 | | 51 - 167 |

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: MB 410-323487/1-A
Matrix: Water
Analysis Batch: 324101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 323487

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 3.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| NMeFOSAA | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorobutanoic acid | ND | | 5.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorodecanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorododecanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluoroheptanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorohexanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorononanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorooctanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluoropentanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluorotridecanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| Perfluoroundecanoic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.00 | ng/L | | 12/04/22 15:30 | 12/07/22 00:02 | 1 |

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|--------------|--------------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 105 | | 10 - 200 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| M2-6:2 FTS | 106 | | 17 - 200 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| M2-8:2 FTS | 103 | | 33 - 200 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C2 PFTeDA | 85 | | 10 - 179 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C3 HFPO-DA | 70 | | 17 - 185 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C3 PFBS | 109 | | 16 - 200 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C4 PFBA | 100 | | 42 - 165 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C4 PFHpA | 102 | | 31 - 182 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C5 PFPeA | 105 | | 38 - 187 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C8 PFOA | 100 | | 48 - 162 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C8 PFOS | 107 | | 51 - 159 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| d3-NMeFOSAA | 107 | | 31 - 174 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| d5-NEtFOSAA | 103 | | 29 - 195 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| d9-N-EtFOSE-M | 85 | | 10 - 177 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C3 PFHxS | 100 | | 28 - 188 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C5 PFHxA | 101 | | 24 - 179 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C6 PFDA | 99 | | 49 - 163 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C7 PFUnA | 102 | | 34 - 174 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| d3-NMePFOSA | 50 | | 10 - 155 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| d5-NEtPFOSA | 55 | | 10 - 159 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C8 FOSA | 83 | | 10 - 168 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |
| 13C2-PFDoDA | 99 | | 17 - 176 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: MB 410-323487/1-A
Matrix: Water
Analysis Batch: 324101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 323487

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C9 PFNA | 106 | | 51 - 167 | 12/04/22 15:30 | 12/07/22 00:02 | 1 |

Lab Sample ID: LCS 410-323487/2-A
Matrix: Water
Analysis Batch: 324101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 323487

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------------------------|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | |
| NEtFOSAA | 25.6 | 23.09 | | ng/L | | 90 | 55 - 134 |
| NMeFOSAA | 25.6 | 21.93 | | ng/L | | 86 | 59 - 140 |
| Perfluorobutanesulfonic acid | 22.7 | 22.67 | | ng/L | | 100 | 53 - 138 |
| Perfluorobutanoic acid | 25.6 | 23.15 | | ng/L | | 90 | 59 - 136 |
| Perfluorodecanesulfonic acid | 24.7 | 23.02 | | ng/L | | 93 | 55 - 137 |
| Perfluorodecanoic acid | 25.6 | 24.79 | | ng/L | | 97 | 56 - 138 |
| Perfluorododecanoic acid | 25.6 | 23.00 | | ng/L | | 90 | 59 - 143 |
| Perfluoroheptanesulfonic acid | 24.4 | 20.87 | | ng/L | | 86 | 56 - 140 |
| Perfluoroheptanoic acid | 25.6 | 24.09 | | ng/L | | 94 | 59 - 145 |
| Perfluorohexanesulfonic acid | 23.3 | 20.84 | | ng/L | | 89 | 58 - 134 |
| Perfluorohexanoic acid | 25.6 | 25.44 | | ng/L | | 99 | 58 - 139 |
| Perfluorononanesulfonic acid | 24.6 | 22.18 | | ng/L | | 90 | 59 - 136 |
| Perfluorononanoic acid | 25.6 | 23.82 | | ng/L | | 93 | 61 - 139 |
| Perfluorooctanesulfonamide | 25.6 | 25.83 | | ng/L | | 101 | 43 - 167 |
| Perfluorooctanesulfonic acid | 23.7 | 22.23 | | ng/L | | 94 | 45 - 150 |
| Perfluorooctanoic acid | 25.6 | 23.63 | | ng/L | | 92 | 51 - 145 |
| Perfluoropentanesulfonic acid | 24.0 | 23.13 | | ng/L | | 96 | 55 - 140 |
| Perfluoropentanoic acid | 25.6 | 25.76 | | ng/L | | 101 | 57 - 141 |
| Perfluorotetradecanoic acid | 25.6 | 26.61 | | ng/L | | 104 | 62 - 139 |
| Perfluorotridecanoic acid | 25.6 | 23.43 | | ng/L | | 92 | 58 - 146 |
| Perfluoroundecanoic acid | 25.6 | 23.76 | | ng/L | | 93 | 60 - 141 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 24.85 | | ng/L | | 102 | 28 - 173 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 21.07 | | ng/L | | 86 | 55 - 138 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 24.72 | | ng/L | | 103 | 55 - 139 |

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 99 | | 10 - 200 |
| M2-6:2 FTS | 104 | | 17 - 200 |
| M2-8:2 FTS | 101 | | 33 - 200 |
| 13C2 PFTeDA | 89 | | 10 - 179 |
| 13C3 HFPO-DA | 69 | | 17 - 185 |
| 13C3 PFBS | 100 | | 16 - 200 |
| 13C4 PFBA | 96 | | 42 - 165 |
| 13C4 PFHpA | 99 | | 31 - 182 |
| 13C5 PFPeA | 98 | | 38 - 187 |
| 13C8 PFOA | 99 | | 48 - 162 |
| 13C8 PFOS | 101 | | 51 - 159 |
| d3-NMeFOSAA | 96 | | 31 - 174 |
| d5-NEtFOSAA | 97 | | 29 - 195 |
| d9-N-EtFOSE-M | 85 | | 10 - 177 |
| 13C3 PFHxS | 102 | | 28 - 188 |
| 13C5 PFHxA | 94 | | 24 - 179 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCS 410-323487/2-A
Matrix: Water
Analysis Batch: 324101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 323487

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|-------------------------|------------------|------------------|---------------|
| 13C6 PFDA | 96 | | 49 - 163 |
| 13C7 PFUnA | 96 | | 34 - 174 |
| d3-NMePFOSA | 53 | | 10 - 155 |
| d5-NEtPFOSA | 61 | | 10 - 159 |
| 13C8 FOSA | 79 | | 10 - 168 |
| 13C2-PFDoDA | 96 | | 17 - 176 |
| 13C9 PFNA | 100 | | 51 - 167 |

Lab Sample ID: LCSD 410-323487/3-A
Matrix: Water
Analysis Batch: 324101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 323487

| <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 | 22.80 | | ng/L | | 89 | 55 - 134 | 1 | 30 |
| NMeFOSAA | 25.6 | 23.56 | | ng/L | | 92 | 59 - 140 | 7 | 30 |
| Perfluorobutanesulfonic acid | 22.7 | 22.90 | | ng/L | | 101 | 53 - 138 | 1 | 30 |
| Perfluorobutanoic acid | 25.6 | 23.28 | | ng/L | | 91 | 59 - 136 | 1 | 30 |
| Perfluorodecanesulfonic acid | 24.7 | 23.03 | | ng/L | | 93 | 55 - 137 | 0 | 30 |
| Perfluorodecanoic acid | 25.6 | 22.52 | | ng/L | | 88 | 56 - 138 | 10 | 30 |
| Perfluorododecanoic acid | 25.6 | 23.32 | | ng/L | | 91 | 59 - 143 | 1 | 30 |
| Perfluoroheptanesulfonic acid | 24.4 | 21.61 | | ng/L | | 89 | 56 - 140 | 3 | 30 |
| Perfluoroheptanoic acid | 25.6 | 24.55 | | ng/L | | 96 | 59 - 145 | 2 | 30 |
| Perfluorohexanesulfonic acid | 23.3 | 21.40 | | ng/L | | 92 | 58 - 134 | 3 | 30 |
| Perfluorohexanoic acid | 25.6 | 25.66 | | ng/L | | 100 | 58 - 139 | 1 | 30 |
| Perfluorononanesulfonic acid | 24.6 | 22.75 | | ng/L | | 93 | 59 - 136 | 3 | 30 |
| Perfluorononanoic acid | 25.6 | 23.22 | | ng/L | | 91 | 61 - 139 | 3 | 30 |
| Perfluorooctanesulfonamide | 25.6 | 25.25 | | ng/L | | 99 | 43 - 167 | 2 | 30 |
| Perfluorooctanesulfonic acid | 23.7 | 22.33 | | ng/L | | 94 | 45 - 150 | 0 | 30 |
| Perfluorooctanoic acid | 25.6 | 25.10 | | ng/L | | 98 | 51 - 145 | 6 | 30 |
| Perfluoropentanesulfonic acid | 24.0 | 23.30 | | ng/L | | 97 | 55 - 140 | 1 | 30 |
| Perfluoropentanoic acid | 25.6 | 24.20 | | ng/L | | 95 | 57 - 141 | 6 | 30 |
| Perfluorotetradecanoic acid | 25.6 | 26.14 | | ng/L | | 102 | 62 - 139 | 2 | 30 |
| Perfluorotridecanoic acid | 25.6 | 23.19 | | ng/L | | 91 | 58 - 146 | 1 | 30 |
| Perfluoroundecanoic acid | 25.6 | 23.98 | | ng/L | | 94 | 60 - 141 | 1 | 30 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 25.69 | | ng/L | | 106 | 28 - 173 | 3 | 30 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 22.60 | | ng/L | | 92 | 55 - 138 | 7 | 30 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 24.92 | | ng/L | | 104 | 55 - 139 | 1 | 30 |

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|-------------------------|------------------|------------------|---------------|
| M2-4:2 FTS | 125 | | 10 - 200 |
| M2-6:2 FTS | 124 | | 17 - 200 |
| M2-8:2 FTS | 121 | | 33 - 200 |
| 13C2 PFTeDA | 103 | | 10 - 179 |
| 13C3 HFPO-DA | 79 | | 17 - 185 |
| 13C3 PFBS | 125 | | 16 - 200 |
| 13C4 PFBA | 116 | | 42 - 165 |
| 13C4 PFHpA | 114 | | 31 - 182 |
| 13C5 PFPeA | 123 | | 38 - 187 |
| 13C8 PFOA | 114 | | 48 - 162 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCSD 410-323487/3-A
Matrix: Water
Analysis Batch: 324101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 323487

| Isotope Dilution | LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C8 PFOS | 125 | | 51 - 159 |
| d3-NMeFOSAA | 119 | | 31 - 174 |
| d5-NEtFOSAA | 122 | | 29 - 195 |
| d9-N-EtFOSE-M | 92 | | 10 - 177 |
| 13C3 PFHxS | 120 | | 28 - 188 |
| 13C5 PFHxA | 108 | | 24 - 179 |
| 13C6 PFDA | 122 | | 49 - 163 |
| 13C7 PFUnA | 119 | | 34 - 174 |
| d3-NMePFOSA | 50 | | 10 - 155 |
| d5-NEtPFOSA | 58 | | 10 - 159 |
| 13C8 FOSA | 98 | | 10 - 168 |
| 13C2-PFDODA | 119 | | 17 - 176 |
| 13C9 PFNA | 126 | | 51 - 167 |

Lab Sample ID: MB 410-324721/1-A
Matrix: Water
Analysis Batch: 325411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 324721

| Analyte | MB | | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|-----------|----------|----------------|----------------|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| NEtFOSAA | ND | | 3.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| NMeFOSAA | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorobutanoic acid | ND | | 5.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorodecanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorododecanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluoroheptanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorohexanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorononanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorooctanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluoropentanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluorotridecanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Perfluoroundecanoic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.00 | ng/L | | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| Isotope Dilution | MB | | Limits | Prepared | Analyzed | Dil Fac | | |
| | %Recovery | Qualifier | | | | | | |
| M2-4:2 FTS | 93 | | 10 - 200 | 12/07/22 15:25 | 12/09/22 23:19 | 1 | | |
| M2-6:2 FTS | 103 | | 17 - 200 | 12/07/22 15:25 | 12/09/22 23:19 | 1 | | |
| M2-8:2 FTS | 101 | | 33 - 200 | 12/07/22 15:25 | 12/09/22 23:19 | 1 | | |
| 13C2 PFTeDA | 95 | | 10 - 179 | 12/07/22 15:25 | 12/09/22 23:19 | 1 | | |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: MB 410-324721/1-A
Matrix: Water
Analysis Batch: 325411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 324721

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C3 HFPO-DA | 82 | | 17 - 185 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C3 PFBS | 95 | | 16 - 200 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C4 PFBA | 98 | | 42 - 165 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C4 PFHpA | 97 | | 31 - 182 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C5 PFPeA | 102 | | 38 - 187 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C8 PFOA | 96 | | 48 - 162 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C8 PFOS | 102 | | 51 - 159 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| d3-NMeFOSAA | 94 | | 31 - 174 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| d5-NEtFOSAA | 97 | | 29 - 195 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| d9-N-EtFOSE-M | 92 | | 10 - 177 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C3 PFHxS | 91 | | 28 - 188 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C5 PFHxA | 91 | | 24 - 179 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C6 PFDA | 96 | | 49 - 163 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C7 PFUnA | 90 | | 34 - 174 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| d3-NMePFOSA | 57 | | 10 - 155 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| d5-NEtPFOSA | 63 | | 10 - 159 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C8 FOSA | 82 | | 10 - 168 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C2-PFDoDA | 94 | | 17 - 176 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |
| 13C9 PFNA | 113 | | 51 - 167 | 12/07/22 15:25 | 12/09/22 23:19 | 1 |

Lab Sample ID: LCS 410-324721/2-A
Matrix: Water
Analysis Batch: 325411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 324721

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec | Limits |
|---------------------------------|-------------|------------|---------------|------|---|------|----------|--------|
| | | | | | | | | |
| NMeFOSAA | 25.6 | 30.12 | | ng/L | | 118 | 59 - 140 | |
| Perfluorobutanesulfonic acid | 22.7 | 26.05 | | ng/L | | 115 | 53 - 138 | |
| Perfluorobutanoic acid | 25.6 | 24.66 | | ng/L | | 96 | 59 - 136 | |
| Perfluorodecanesulfonic acid | 24.7 | 27.60 | | ng/L | | 112 | 55 - 137 | |
| Perfluorodecanoic acid | 25.6 | 27.63 | | ng/L | | 108 | 56 - 138 | |
| Perfluorododecanoic acid | 25.6 | 28.29 | | ng/L | | 110 | 59 - 143 | |
| Perfluoroheptanesulfonic acid | 24.4 | 26.49 | | ng/L | | 109 | 56 - 140 | |
| Perfluoroheptanoic acid | 25.6 | 26.41 | | ng/L | | 103 | 59 - 145 | |
| Perfluorohexanesulfonic acid | 23.3 | 25.69 | | ng/L | | 110 | 58 - 134 | |
| Perfluorohexanoic acid | 25.6 | 28.07 | | ng/L | | 110 | 58 - 139 | |
| Perfluorononanesulfonic acid | 24.6 | 26.67 | | ng/L | | 109 | 59 - 136 | |
| Perfluorononanoic acid | 25.6 | 26.95 | | ng/L | | 105 | 61 - 139 | |
| Perfluorooctanesulfonamide | 25.6 | 29.31 | | ng/L | | 114 | 43 - 167 | |
| Perfluorooctanesulfonic acid | 23.7 | 26.55 | | ng/L | | 112 | 45 - 150 | |
| Perfluorooctanoic acid | 25.6 | 29.58 | | ng/L | | 116 | 51 - 145 | |
| Perfluoropentanesulfonic acid | 24.0 | 29.23 | | ng/L | | 122 | 55 - 140 | |
| Perfluoropentanoic acid | 25.6 | 28.49 | | ng/L | | 111 | 57 - 141 | |
| Perfluorotetradecanoic acid | 25.6 | 28.02 | | ng/L | | 109 | 62 - 139 | |
| Perfluorotridecanoic acid | 25.6 | 30.01 | | ng/L | | 117 | 58 - 146 | |
| Perfluoroundecanoic acid | 25.6 | 28.26 | | ng/L | | 110 | 60 - 141 | |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 27.36 | | ng/L | | 113 | 28 - 173 | |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 25.30 | | ng/L | | 103 | 55 - 138 | |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 29.18 | | ng/L | | 122 | 55 - 139 | |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 90 | | 10 - 200 |
| M2-6:2 FTS | 97 | | 17 - 200 |
| M2-8:2 FTS | 106 | | 33 - 200 |
| 13C2 PFTeDA | 101 | | 10 - 179 |
| 13C3 HFPO-DA | 78 | | 17 - 185 |
| 13C3 PFBS | 97 | | 16 - 200 |
| 13C4 PFBA | 98 | | 42 - 165 |
| 13C4 PFHpA | 98 | | 31 - 182 |
| 13C5 PFPeA | 100 | | 38 - 187 |
| 13C8 PFOA | 90 | | 48 - 162 |
| 13C8 PFOS | 102 | | 51 - 159 |
| d3-NMeFOSAA | 89 | | 31 - 174 |
| d5-NEtFOSAA | 100 | | 29 - 195 |
| d9-N-EtFOSE-M | 83 | | 10 - 177 |
| 13C3 PFHxS | 88 | | 28 - 188 |
| 13C5 PFHxA | 90 | | 24 - 179 |
| 13C6 PFDA | 96 | | 49 - 163 |
| 13C7 PFUnA | 102 | | 34 - 174 |
| d3-NMePFOSA | 61 | | 10 - 155 |
| d5-NEtPFOSA | 65 | | 10 - 159 |
| 13C8 FOSA | 80 | | 10 - 168 |
| 13C2-PFDoDA | 91 | | 17 - 176 |
| 13C9 PFNA | 109 | | 51 - 167 |

Lab Sample ID: LCSD 410-324721/3-A
Matrix: Water
Analysis Batch: 325411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 324721

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | |
|---------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-------|
| | | | | | | | | RPD | Limit |
| NEtFOSAA | 25.6 | 26.28 | | ng/L | | 103 | 55 - 134 | 7 | 30 |
| NMeFOSAA | 25.6 | 28.75 | | ng/L | | 112 | 59 - 140 | 5 | 30 |
| Perfluorobutanesulfonic acid | 22.7 | 25.23 | | ng/L | | 111 | 53 - 138 | 3 | 30 |
| Perfluorobutanoic acid | 25.6 | 24.77 | | ng/L | | 97 | 59 - 136 | 0 | 30 |
| Perfluorodecanesulfonic acid | 24.7 | 28.47 | | ng/L | | 115 | 55 - 137 | 3 | 30 |
| Perfluorodecanoic acid | 25.6 | 27.48 | | ng/L | | 107 | 56 - 138 | 1 | 30 |
| Perfluorododecanoic acid | 25.6 | 28.16 | | ng/L | | 110 | 59 - 143 | 0 | 30 |
| Perfluoroheptanesulfonic acid | 24.4 | 23.09 | | ng/L | | 95 | 56 - 140 | 14 | 30 |
| Perfluoroheptanoic acid | 25.6 | 29.35 | | ng/L | | 115 | 59 - 145 | 11 | 30 |
| Perfluorohexanesulfonic acid | 23.3 | 23.88 | | ng/L | | 102 | 58 - 134 | 7 | 30 |
| Perfluorohexanoic acid | 25.6 | 28.62 | | ng/L | | 112 | 58 - 139 | 2 | 30 |
| Perfluorononanesulfonic acid | 24.6 | 27.24 | | ng/L | | 111 | 59 - 136 | 2 | 30 |
| Perfluorononanoic acid | 25.6 | 26.42 | | ng/L | | 103 | 61 - 139 | 2 | 30 |
| Perfluorooctanesulfonamide | 25.6 | 29.50 | | ng/L | | 115 | 43 - 167 | 1 | 30 |
| Perfluorooctanesulfonic acid | 23.7 | 26.46 | | ng/L | | 112 | 45 - 150 | 0 | 30 |
| Perfluorooctanoic acid | 25.6 | 29.12 | | ng/L | | 114 | 51 - 145 | 2 | 30 |
| Perfluoropentanesulfonic acid | 24.0 | 27.50 | | ng/L | | 115 | 55 - 140 | 6 | 30 |
| Perfluoropentanoic acid | 25.6 | 27.60 | | ng/L | | 108 | 57 - 141 | 3 | 30 |
| Perfluorotetradecanoic acid | 25.6 | 29.55 | | ng/L | | 115 | 62 - 139 | 5 | 30 |
| Perfluorotridecanoic acid | 25.6 | 30.60 | | ng/L | | 120 | 58 - 146 | 2 | 30 |
| Perfluoroundecanoic acid | 25.6 | 29.24 | | ng/L | | 114 | 60 - 141 | 3 | 30 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 25.49 | | ng/L | | 105 | 28 - 173 | 7 | 30 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 28.33 | | ng/L | | 116 | 55 - 138 | 11 | 30 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCSD 410-324721/3-A
Matrix: Water
Analysis Batch: 325411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 324721

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------|------------------|------------------|----------------|------|---|------|-------------|-----|-----------|
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 27.43 | | ng/L | | 115 | 55 - 139 | 6 | 30 |
| Isotope Dilution | | | | | | | | | |
| | %Recovery | Qualifier | Limits | | | | | | |
| M2-4:2 FTS | 93 | | 10 - 200 | | | | | | |
| M2-6:2 FTS | 104 | | 17 - 200 | | | | | | |
| M2-8:2 FTS | 102 | | 33 - 200 | | | | | | |
| 13C2 PFTeDA | 97 | | 10 - 179 | | | | | | |
| 13C3 HFPO-DA | 81 | | 17 - 185 | | | | | | |
| 13C3 PFBS | 102 | | 16 - 200 | | | | | | |
| 13C4 PFBA | 97 | | 42 - 165 | | | | | | |
| 13C4 PFHpA | 94 | | 31 - 182 | | | | | | |
| 13C5 PFPeA | 103 | | 38 - 187 | | | | | | |
| 13C8 PFOA | 92 | | 48 - 162 | | | | | | |
| 13C8 PFOS | 105 | | 51 - 159 | | | | | | |
| d3-NMeFOSAA | 102 | | 31 - 174 | | | | | | |
| d5-NEtFOSAA | 106 | | 29 - 195 | | | | | | |
| d9-N-EtFOSE-M | 77 | | 10 - 177 | | | | | | |
| 13C3 PFHxS | 98 | | 28 - 188 | | | | | | |
| 13C5 PFHxA | 90 | | 24 - 179 | | | | | | |
| 13C6 PFDA | 97 | | 49 - 163 | | | | | | |
| 13C7 PFUnA | 103 | | 34 - 174 | | | | | | |
| d3-NMePFOSA | 55 | | 10 - 155 | | | | | | |
| d5-NEtPFOSA | 58 | | 10 - 159 | | | | | | |
| 13C8 FOSA | 89 | | 10 - 168 | | | | | | |
| 13C2-PFDoDA | 95 | | 17 - 176 | | | | | | |
| 13C9 PFNA | 117 | | 51 - 167 | | | | | | |

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

Lab Sample ID: MB 410-312260/1-A
Matrix: Drinking Water
Analysis Batch: 313620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 312260

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|------|------|---|----------------|----------------|---------|
| Perfluorohexanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluoroheptanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorooctanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorononanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorodecanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorotridecanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| NEtFOSAA | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| NMeFOSAA | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluoroundecanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| Perfluorododecanoic acid | ND | | 2.00 | ng/L | | 10/31/22 11:38 | 11/04/22 03:36 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: MB 410-312260/1-A
Matrix: Drinking Water
Analysis Batch: 313620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 312260

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|--------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C2 PFDA | 94 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| 13C2 PFHxA | 99 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| 13C3 HFPO-DA | 96 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 03:36 | 1 |
| d5-NEtFOSAA | 106 | | 70 - 130 | 10/31/22 11:38 | 11/04/22 03:36 | 1 |

Lab Sample ID: LCS 410-312260/2-A
Matrix: Drinking Water
Analysis Batch: 313620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 312260

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------------|-------------|------------|---------------|------|---|------|-------------|
| | | | | | | | |
| Perfluoroheptanoic acid | 80.0 | 83.76 | E | ng/L | | 105 | 70 - 130 |
| Perfluorooctanoic acid | 80.0 | 77.43 | | ng/L | | 97 | 70 - 130 |
| Perfluorononanoic acid | 80.0 | 76.74 | | ng/L | | 96 | 70 - 130 |
| Perfluorodecanoic acid | 80.0 | 72.99 | | ng/L | | 91 | 70 - 130 |
| Perfluorotridecanoic acid | 80.0 | 72.50 | | ng/L | | 91 | 70 - 130 |
| Perfluorotetradecanoic acid | 80.0 | 70.87 | | ng/L | | 89 | 70 - 130 |
| Perfluorobutanesulfonic acid | 70.8 | 68.94 | | ng/L | | 97 | 70 - 130 |
| Perfluorohexanesulfonic acid | 73.0 | 72.01 | | ng/L | | 99 | 70 - 130 |
| Perfluorooctanesulfonic acid | 74.0 | 68.79 | | ng/L | | 93 | 70 - 130 |
| NEtFOSAA | 80.0 | 74.92 | | ng/L | | 94 | 70 - 130 |
| NMeFOSAA | 80.0 | 79.59 | | ng/L | | 99 | 70 - 130 |
| Perfluoroundecanoic acid | 80.0 | 77.67 | | ng/L | | 97 | 70 - 130 |
| Perfluorododecanoic acid | 80.0 | 73.34 | | ng/L | | 92 | 70 - 130 |
| HFPODA | 80.0 | 78.45 | | ng/L | | 98 | 70 - 130 |
| 9CI-PF3ONS | 74.4 | 74.01 | | ng/L | | 99 | 70 - 130 |
| 11CI-PF3OUdS | 74.4 | 68.74 | | ng/L | | 92 | 70 - 130 |
| DONA | 75.6 | 76.96 | E | ng/L | | 102 | 70 - 130 |

| Surrogate | LCS LCS | | Limits |
|--------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C2 PFDA | 88 | | 70 - 130 |
| 13C2 PFHxA | 107 | | 70 - 130 |
| 13C3 HFPO-DA | 102 | | 70 - 130 |
| d5-NEtFOSAA | 99 | | 70 - 130 |

Lab Sample ID: LCSD 410-312260/3-A
Matrix: Drinking Water
Analysis Batch: 313620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 312260

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | |
|------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-------|
| | | | | | | | | RPD | Limit |
| Perfluorohexanoic acid | 80.0 | 78.01 | | ng/L | | 98 | 70 - 130 | 5 | 30 |
| Perfluoroheptanoic acid | 80.0 | 83.38 | E | ng/L | | 104 | 70 - 130 | 0 | 30 |
| Perfluorooctanoic acid | 80.0 | 79.27 | | ng/L | | 99 | 70 - 130 | 2 | 30 |
| Perfluorononanoic acid | 80.0 | 79.04 | | ng/L | | 99 | 70 - 130 | 3 | 30 |
| Perfluorodecanoic acid | 80.0 | 76.94 | | ng/L | | 96 | 70 - 130 | 5 | 30 |
| Perfluorotridecanoic acid | 80.0 | 79.52 | | ng/L | | 99 | 70 - 130 | 9 | 30 |
| Perfluorotetradecanoic acid | 80.0 | 75.44 | | ng/L | | 94 | 70 - 130 | 6 | 30 |
| Perfluorobutanesulfonic acid | 70.8 | 69.70 | | ng/L | | 98 | 70 - 130 | 1 | 30 |

Eurofins New England

QC Sample Results

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

Job ID: 620-7783-2

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

Lab Sample ID: LCSD 410-312260/3-A
Matrix: Drinking Water
Analysis Batch: 313620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 312260

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| | | | | | | | | | |
| Perfluorohexanesulfonic acid | 73.0 | 72.94 | | ng/L | | 100 | 70 - 130 | 1 | 30 |
| Perfluorooctanesulfonic acid | 74.0 | 72.03 | | ng/L | | 97 | 70 - 130 | 5 | 30 |
| NEtFOSAA | 80.0 | 76.27 | | ng/L | | 95 | 70 - 130 | 2 | 30 |
| NMeFOSAA | 80.0 | 78.80 | | ng/L | | 99 | 70 - 130 | 1 | 30 |
| Perfluoroundecanoic acid | 80.0 | 77.75 | | ng/L | | 97 | 70 - 130 | 0 | 30 |
| Perfluorododecanoic acid | 80.0 | 78.62 | | ng/L | | 98 | 70 - 130 | 7 | 30 |
| HFPODA | 80.0 | 78.22 | | ng/L | | 98 | 70 - 130 | 0 | 30 |
| 9CI-PF3ONS | 74.4 | 74.46 | E | ng/L | | 100 | 70 - 130 | 1 | 30 |
| 11CI-PF3OUdS | 74.4 | 78.80 | E | ng/L | | 106 | 70 - 130 | 14 | 30 |
| DONA | 75.6 | 73.12 | | ng/L | | 97 | 70 - 130 | 5 | 30 |

| Surrogate | LCSD | | Limits |
|--------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C2 PFDA | 97 | | 70 - 130 |
| 13C2 PFHxA | 101 | | 70 - 130 |
| 13C3 HFPO-DA | 99 | | 70 - 130 |
| d5-NEtFOSAA | 100 | | 70 - 130 |

Lab Sample ID: LLCS 410-312260/4-A
Matrix: Drinking Water
Analysis Batch: 313620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 312260

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------------|-------------|-------------|----------------|------|---|------|-------------|
| | | | | | | | |
| Perfluorohexanoic acid | 1.92 | 1.791 | J | ng/L | | 93 | 50 - 150 |
| Perfluoroheptanoic acid | 1.92 | 1.764 | J | ng/L | | 92 | 50 - 150 |
| Perfluorooctanoic acid | 1.92 | 1.866 | J | ng/L | | 97 | 50 - 150 |
| Perfluorononanoic acid | 1.92 | 1.656 | J | ng/L | | 86 | 50 - 150 |
| Perfluorodecanoic acid | 1.92 | 1.643 | J | ng/L | | 86 | 50 - 150 |
| Perfluorotridecanoic acid | 1.92 | 1.738 | J | ng/L | | 91 | 50 - 150 |
| Perfluorotetradecanoic acid | 1.92 | 1.775 | J | ng/L | | 92 | 50 - 150 |
| Perfluorobutanesulfonic acid | 1.70 | 1.548 | J | ng/L | | 91 | 50 - 150 |
| Perfluorohexanesulfonic acid | 1.75 | 1.779 | J | ng/L | | 102 | 50 - 150 |
| Perfluorooctanesulfonic acid | 1.78 | 1.727 | J | ng/L | | 97 | 50 - 150 |
| NEtFOSAA | 1.92 | 1.930 | J | ng/L | | 101 | 50 - 150 |
| NMeFOSAA | 1.92 | 1.761 | J | ng/L | | 92 | 50 - 150 |
| Perfluoroundecanoic acid | 1.92 | 1.748 | J | ng/L | | 91 | 50 - 150 |
| Perfluorododecanoic acid | 1.92 | 1.632 | J | ng/L | | 85 | 50 - 150 |
| HFPODA | 1.92 | 1.776 | J | ng/L | | 93 | 50 - 150 |
| 9CI-PF3ONS | 1.79 | 1.604 | J | ng/L | | 90 | 50 - 150 |
| 11CI-PF3OUdS | 1.79 | 1.635 | J | ng/L | | 92 | 50 - 150 |
| DONA | 1.81 | 1.637 | J | ng/L | | 90 | 50 - 150 |

| Surrogate | LLCS | | Limits |
|--------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C2 PFDA | 90 | | 70 - 130 |
| 13C2 PFHxA | 100 | | 70 - 130 |
| 13C3 HFPO-DA | 96 | | 70 - 130 |
| d5-NEtFOSAA | 105 | | 70 - 130 |

QC Association Summary

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

Job ID: 620-7783-2

LCMS

Prep Batch: 312260

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------------------|-----------|----------------|---------------|------------|
| 620-7783-7 | 907 Beecher-INF | Total/NA | Drinking Water | 537.1 DW Prep | |
| 620-7783-8 | 907 Beecher Hill-INF-FD | Total/NA | Drinking Water | 537.1 DW Prep | |
| 620-7783-9 | 152 Forest Edge-INF | Total/NA | Drinking Water | 537.1 DW Prep | |
| 620-7783-10 | 907 Beecher Hill-MID | Total/NA | Drinking Water | 537.1 DW Prep | |
| 620-7783-11 | 907 Beecher Hill-EFF | Total/NA | Drinking Water | 537.1 DW Prep | |
| 620-7783-12 | 152 Forest Edge-MID | Total/NA | Drinking Water | 537.1 DW Prep | |
| 620-7783-13 | 152 Forest Edge-EFF | Total/NA | Drinking Water | 537.1 DW Prep | |
| 620-7783-14 | 56 Forest Edge/685 Beecher Hill | Total/NA | Drinking Water | 537.1 DW Prep | |
| MB 410-312260/1-A | Method Blank | Total/NA | Drinking Water | 537.1 DW Prep | |
| LCS 410-312260/2-A | Lab Control Sample | Total/NA | Drinking Water | 537.1 DW Prep | |
| LCSD 410-312260/3-A | Lab Control Sample Dup | Total/NA | Drinking Water | 537.1 DW Prep | |
| LLCS 410-312260/4-A | Lab Control Sample | Total/NA | Drinking Water | 537.1 DW Prep | |

Prep Batch: 312948

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 537 IDA | |
| 620-7783-2 | MW-3S | Total/NA | Water | 537 IDA | |
| 620-7783-2 - RA | MW-3S | Total/NA | Water | 537 IDA | |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 537 IDA | |
| 620-7783-4 | MW-3D | Total/NA | Water | 537 IDA | |
| 620-7783-4 - RA | MW-3D | Total/NA | Water | 537 IDA | |
| 620-7783-5 | MW-4S | Total/NA | Water | 537 IDA | |
| 620-7783-5 - RA | MW-4S | Total/NA | Water | 537 IDA | |
| 620-7783-6 | MW-4D | Total/NA | Water | 537 IDA | |
| 620-7783-15 | FRB-101922 | Total/NA | Water | 537 IDA | |
| 620-7783-16 | EB-101922 | Total/NA | Water | 537 IDA | |
| MB 410-312948/1-A | Method Blank | Total/NA | Water | 537 IDA | |
| LCS 410-312948/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | |
| LCSD 410-312948/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | |

Prep Batch: 313258

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-17 | FRB-102022 | Total/NA | Water | 537 IDA | |
| 620-7783-18 | MW-2D | Total/NA | Water | 537 IDA | |
| MB 410-313258/1-A | Method Blank | Total/NA | Water | 537 IDA | |
| LCS 410-313258/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | |
| LCSD 410-313258/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | |

Analysis Batch: 313620

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------------------|-----------|----------------|-----------|------------|
| 620-7783-7 | 907 Beecher-INF | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| 620-7783-8 | 907 Beecher Hill-INF-FD | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| 620-7783-9 | 152 Forest Edge-INF | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| 620-7783-10 | 907 Beecher Hill-MID | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| 620-7783-11 | 907 Beecher Hill-EFF | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| 620-7783-12 | 152 Forest Edge-MID | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| 620-7783-13 | 152 Forest Edge-EFF | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| 620-7783-14 | 56 Forest Edge/685 Beecher Hill | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| MB 410-312260/1-A | Method Blank | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| LCS 410-312260/2-A | Lab Control Sample | Total/NA | Drinking Water | EPA 537.1 | 312260 |
| LCSD 410-312260/3-A | Lab Control Sample Dup | Total/NA | Drinking Water | EPA 537.1 | 312260 |

Eurofins New England

QC Association Summary

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

Job ID: 620-7783-2

LCMS (Continued)

Analysis Batch: 313620 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|----------------|-----------|------------|
| LLCS 410-312260/4-A | Lab Control Sample | Total/NA | Drinking Water | EPA 537.1 | 312260 |

Analysis Batch: 314390

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-17 | FRB-102022 | Total/NA | Water | 537 IDA | 313258 |
| 620-7783-18 | MW-2D | Total/NA | Water | 537 IDA | 313258 |
| MB 410-313258/1-A | Method Blank | Total/NA | Water | 537 IDA | 313258 |
| LCS 410-313258/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | 313258 |
| LCSD 410-313258/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 313258 |

Analysis Batch: 315143

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-1 | MW-2S | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-2 | MW-3S | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-3 | MW-2S-FD | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-4 | MW-3D | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-5 | MW-4S | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-6 | MW-4D | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-15 | FRB-101922 | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-16 | EB-101922 | Total/NA | Water | 537 IDA | 312948 |
| MB 410-312948/1-A | Method Blank | Total/NA | Water | 537 IDA | 312948 |
| LCS 410-312948/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | 312948 |
| LCSD 410-312948/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 312948 |

Analysis Batch: 316259

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|---------|------------|
| 620-7783-2 - RA | MW-3S | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-4 - RA | MW-3D | Total/NA | Water | 537 IDA | 312948 |
| 620-7783-5 - RA | MW-4S | Total/NA | Water | 537 IDA | 312948 |

Prep Batch: 319040

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-1 - RE | MW-2S | Total/NA | Water | 537 IDA | |
| 620-7783-3 - RE | MW-2S-FD | Total/NA | Water | 537 IDA | |
| MB 410-319040/1-A | Method Blank | Total/NA | Water | 537 IDA | |
| LCS 410-319040/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | |
| LCSD 410-319040/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | |

Analysis Batch: 319424

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-1 - RE | MW-2S | Total/NA | Water | 537 IDA | 319040 |
| 620-7783-3 - RE | MW-2S-FD | Total/NA | Water | 537 IDA | 319040 |
| MB 410-319040/1-A | Method Blank | Total/NA | Water | 537 IDA | 319040 |
| LCS 410-319040/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | 319040 |
| LCSD 410-319040/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 319040 |

Prep Batch: 323487

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|---------|------------|
| 620-7783-4 - RE | MW-3D | Total/NA | Water | 537 IDA | |
| MB 410-323487/1-A | Method Blank | Total/NA | Water | 537 IDA | |
| LCS 410-323487/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | |

Eurofins New England

QC Association Summary

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

Job ID: 620-7783-2

LCMS (Continued)

Prep Batch: 323487 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| LCSD 410-323487/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | |

Analysis Batch: 324101

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-4 - RE | MW-3D | Total/NA | Water | 537 IDA | 323487 |
| MB 410-323487/1-A | Method Blank | Total/NA | Water | 537 IDA | 323487 |
| LCS 410-323487/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | 323487 |
| LCSD 410-323487/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 323487 |

Prep Batch: 324721

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-5 - RE | MW-4S | Total/NA | Water | 537 IDA | |
| MB 410-324721/1-A | Method Blank | Total/NA | Water | 537 IDA | |
| LCS 410-324721/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | |
| LCSD 410-324721/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | |

Analysis Batch: 325411

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-7783-5 - RE | MW-4S | Total/NA | Water | 537 IDA | 324721 |
| MB 410-324721/1-A | Method Blank | Total/NA | Water | 537 IDA | 324721 |
| LCS 410-324721/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | 324721 |
| LCSD 410-324721/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 324721 |

Lab Chronicle

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

Job ID: 620-7783-2

Client Sample ID: MW-2S

Date Collected: 10/19/22 12:30

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|------|----------------------|
| Total/NA | Prep | 537 IDA | RE | | 319040 | D5VP | ELLE | 11/18/22 10:10 |
| Total/NA | Analysis | 537 IDA | RE | 1 | 319424 | PY4D | ELLE | 11/20/22 17:25 |
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 06:39 |

Client Sample ID: MW-3S

Date Collected: 10/19/22 12:12

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|------|----------------------|
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 06:50 |
| Total/NA | Prep | 537 IDA | RA | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | RA | 1 | 316259 | JVK6 | ELLE | 11/11/22 02:55 |

Client Sample ID: MW-2S-FD

Date Collected: 10/19/22 12:30

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|------|----------------------|
| Total/NA | Prep | 537 IDA | RE | | 319040 | D5VP | ELLE | 11/18/22 10:10 |
| Total/NA | Analysis | 537 IDA | RE | 1 | 319424 | PY4D | ELLE | 11/20/22 17:36 |
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 07:01 |

Client Sample ID: MW-3D

Date Collected: 10/19/22 13:44

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|------|----------------------|
| Total/NA | Prep | 537 IDA | RE | | 323487 | K9VR | ELLE | 12/04/22 15:30 |
| Total/NA | Analysis | 537 IDA | RE | 1 | 324101 | MT26 | ELLE | 12/07/22 03:55 |
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 07:12 |
| Total/NA | Prep | 537 IDA | RA | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | RA | 1 | 316259 | JVK6 | ELLE | 11/11/22 03:06 |

Client Sample ID: MW-4S

Date Collected: 10/19/22 16:03

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|------|----------------------|
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 07:23 |
| Total/NA | Prep | 537 IDA | RA | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | RA | 1 | 316259 | JVK6 | ELLE | 11/11/22 03:18 |

Eurofins New England

Lab Chronicle

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

Job ID: 620-7783-2

Client Sample ID: MW-4S

Date Collected: 10/19/22 16:03

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537 IDA | RE | | 324721 | JU9U | ELLE | 12/07/22 15:25 |
| Total/NA | Analysis | 537 IDA | RE | 1 | 325411 | DTA4 | ELLE | 12/10/22 01:21 |

Client Sample ID: MW-4D

Date Collected: 10/19/22 14:05

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 07:34 |

Client Sample ID: 907 Beecher-INF

Date Collected: 10/20/22 09:22

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-7

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 06:53 |

Client Sample ID: 907 Beecher Hill-INF-FD

Date Collected: 10/20/22 09:22

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-8

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 07:04 |

Client Sample ID: 152 Forest Edge-INF

Date Collected: 10/20/22 10:20

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-9

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 07:16 |

Client Sample ID: 907 Beecher Hill-MID

Date Collected: 10/20/22 09:41

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-10

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 07:27 |

Lab Chronicle

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

Job ID: 620-7783-2

Client Sample ID: 907 Beecher Hill-EFF

Date Collected: 10/20/22 09:37

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-11

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 07:39 |

Client Sample ID: 152 Forest Edge-MID

Date Collected: 10/20/22 10:16

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-12

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 07:51 |

Client Sample ID: 152 Forest Edge-EFF

Date Collected: 10/20/22 10:10

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-13

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 08:02 |

Client Sample ID: 56 Forest Edge/685 Beecher Hill

Date Collected: 10/20/22 10:50

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-14

Matrix: Drinking Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|---------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537.1 DW Prep | | | 312260 | HQ8B | ELLE | 10/31/22 11:38 |
| Total/NA | Analysis | EPA 537.1 | | 1 | 313620 | DCS9 | ELLE | 11/04/22 08:14 |

Client Sample ID: FRB-101922

Date Collected: 10/19/22 16:36

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-15

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 07:45 |

Client Sample ID: EB-101922

Date Collected: 10/19/22 16:50

Date Received: 10/21/22 09:10

Lab Sample ID: 620-7783-16

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537 IDA | | | 312948 | PR5J | ELLE | 11/02/22 07:18 |
| Total/NA | Analysis | 537 IDA | | 1 | 315143 | JVK6 | ELLE | 11/09/22 07:56 |

Lab Chronicle

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

Job ID: 620-7783-2

Client Sample ID: FRB-102022

Lab Sample ID: 620-7783-17

Date Collected: 10/20/22 13:34

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537 IDA | | | 313258 | QLP7 | ELLE | 11/02/22 16:57 |
| Total/NA | Analysis | 537 IDA | | 1 | 314390 | MT26 | ELLE | 11/07/22 01:27 |

Client Sample ID: MW-2D

Lab Sample ID: 620-7783-18

Date Collected: 10/20/22 14:08

Matrix: Water

Date Received: 10/21/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Prep | 537 IDA | | | 313258 | QLP7 | ELLE | 11/02/22 16:57 |
| Total/NA | Analysis | 537 IDA | | 1 | 314390 | MT26 | ELLE | 11/07/22 01:38 |

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 620-7783-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|---------------------------------|
| 537 IDA | 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 |
| 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: 620-7783-2

| Method | Method Description | Protocol | Laboratory |
|---------------|--|----------|------------|
| 537 IDA | EPA 537 Isotope Dilution | EPA | ELLE |
| EPA 537.1 | EPA 537.1, Ver 1.0 Nov 2018 | EPA | ELLE |
| 537 IDA | EPA 537 Isotope Dilution | EPA | ELLE |
| 537.1 DW Prep | Extraction of Perfluorinated Alkyl Acids | EPA | ELLE |

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

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Sample Summary

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

Job ID: 620-7783-2

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|---------------------------------|----------------|----------------|----------------|
| 620-7783-1 | MW-2S | Water | 10/19/22 12:30 | 10/21/22 09:10 |
| 620-7783-2 | MW-3S | Water | 10/19/22 12:12 | 10/21/22 09:10 |
| 620-7783-3 | MW-2S-FD | Water | 10/19/22 12:30 | 10/21/22 09:10 |
| 620-7783-4 | MW-3D | Water | 10/19/22 13:44 | 10/21/22 09:10 |
| 620-7783-5 | MW-4S | Water | 10/19/22 16:03 | 10/21/22 09:10 |
| 620-7783-6 | MW-4D | Water | 10/19/22 14:05 | 10/21/22 09:10 |
| 620-7783-7 | 907 Beecher-INF | Drinking Water | 10/20/22 09:22 | 10/21/22 09:10 |
| 620-7783-8 | 907 Beecher Hill-INF-FD | Drinking Water | 10/20/22 09:22 | 10/21/22 09:10 |
| 620-7783-9 | 152 Forest Edge-INF | Drinking Water | 10/20/22 10:20 | 10/21/22 09:10 |
| 620-7783-10 | 907 Beecher Hill-MID | Drinking Water | 10/20/22 09:41 | 10/21/22 09:10 |
| 620-7783-11 | 907 Beecher Hill-EFF | Drinking Water | 10/20/22 09:37 | 10/21/22 09:10 |
| 620-7783-12 | 152 Forest Edge-MID | Drinking Water | 10/20/22 10:16 | 10/21/22 09:10 |
| 620-7783-13 | 152 Forest Edge-EFF | Drinking Water | 10/20/22 10:10 | 10/21/22 09:10 |
| 620-7783-14 | 56 Forest Edge/685 Beecher Hill | Drinking Water | 10/20/22 10:50 | 10/21/22 09:10 |
| 620-7783-15 | FRB-101922 | Water | 10/19/22 16:36 | 10/21/22 09:10 |
| 620-7783-16 | EB-101922 | Water | 10/19/22 16:50 | 10/21/22 09:10 |
| 620-7783-17 | FRB-102022 | Water | 10/20/22 13:34 | 10/21/22 09:10 |
| 620-7783-18 | MW-2D | Water | 10/20/22 14:08 | 10/21/22 09:10 |



7783

Chain of Custody Record

620-7783 Chain of Custody

Client Contact: Ms. Katrina Mattice
Company: Stone Environmental
Address: 535 Stone Cutters Way
City: Montpelier
State/Zip: VT 05602
Phone: [blank]
Email: kmattice@stone-env.com
Project Name: Hinesburg LF 20211205
Site: [blank]

Sampler: SLW / BEC
Lab PM: [blank]
Carrier Tracking No(s): 620-6261-829 1
State of Origin: [blank]
Page: 4 of 7
Job #: 102

Due Date Requested: [blank]
TAT Requested (days): standard
Compliance Project: Yes No
PO #: [blank]
WO #: [blank]
Project #: [blank]
SSOW#: [blank]

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (We-ster, Se-solid, O-waste/ol, B-T-tissue, and/or) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Analysis Requested | Total Number of Containers | Special Instructions/Note: |
|-----------------------------|-------------|-------------|------------------------------|--|-----------------------------------|----------------------------|--|----------------------------|----------------------------|
| MW-25 | 10/19/22 | 1230 | G | G Water | X | X | CD 410.4 VOCs 8268 Na+Cl 6010/6020 4500-CL- Total Metals 6010/6020 7470 PEAS 537.1 VOCs 524.2 PEAS 537.1 | 8 | |
| MW-35 | | 1212 | | G Water | | | | 9 | |
| MW-25-F0 | | 1230 | | G Water | | | | 8 | |
| MW-30 | | 1344 | | G Water | | | | 9 | |
| MW-45 | | 1603 | | G Water | | | | 9 | |
| MW-40 | | 1405 | | G Water | | | | 8 | |
| 907 Beecher Hill - INF | 10/20/22 | 0922 | | D Water | | | | 5 | |
| 907 Beecher Hill - INF - F0 | | 0922 | | D Water | | | | 5 | |
| 152 Forest Edge - INF | | 1020 | | D Water | | | | 5 | |
| 907 Beecher Hill - MID | | 1016041 | | D Water | | | | 5 | |
| 907 Beecher Hill - EFF | | 1016 | | D Water | | | | 5 | |

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

Deliverable Requested: I, II, III, IV, Other (specify) PPF and Equis EDD

Empty Kit Relinquished by: [blank] Date: [blank]

Relinquished by: [blank] Date/Time: 10/20/22 16:19 Company: [blank]

Relinquished by: [blank] Date/Time: [blank] Company: [blank]

Relinquished by: [blank] Date/Time: [blank] Company: [blank]

Custody Seals Intact: Yes No Custody Seal No

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

Special Instructions/QC Requirements: [blank]

Method of Shipment: [blank]

Received by: [signature] Date/Time: 10/20/22 16:20 Company: TRS
 Received by: [signature] Date/Time: 02/10/22 910 Company: LNC
 Received by: [signature] Date/Time: [blank] Company: [blank]

Cooler Temperature(s) °C and Other Remarks: 0 8/10/16/4C 5 26/70/13.3C
 20 2/10/16 16



Chain of Custody Record

| | | | | | | | | | |
|--|--|---------------------------|--|---|--|-----------------------------------|--|--|--|
| Client Information | | Sampler: SLW / EEC | | Lab PM | | Carrier Tracking No(s): | | COC No: 620-6261-829 4 | |
| Client Contact: Ms Katrina Mattice | | Phone: | | E-Mail | | State of Origin: | | Page: 4 of 7 Job #: 2022 | |
| Company: Stone Environmental | | PWSID: | | Due Date Requested: | | Analysis Requested | | Preservation Codes: | |
| Address: 535 Stone Cutters Way | | TAT Requested (days): | | Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Total Number of Containers | | A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other | |
| City: Montpelier | | Standard | | PO #: | | Field Filtered Sample (Yes or No) | | M Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify) | |
| State/Zip: VT 05602 | | Standard | | WO #: | | Perform MS/MSD (Yes or No) | | | |
| Phone: | | Project #: | | SSOW#: | | Special Instructions/Note: | | | |
| Email: kmattice@stone-env.com | | Sample Date | | Sample Time | | Sample Type (C=Comp, G=grab) | | Matrix (W=water, S=solid, O=wastewater, ST=stabilized, AW=acid) | |
| Project Name: Hinesburg LF 20211205 | | Sample Date | | Sample Time | | Preservation Code: | | Drinking Water | |
| Site: | | Sample Date | | Sample Time | | Preservation Code: | | Drinking Water | |
| Sample Identification | | Sample Date | | Sample Time | | Preservation Code: | | Drinking Water | |
| 152 Forest Edge - MEO | | 10/20/22 | | 1016 | | G | | Drinking Water | |
| 152 Forest Edge - EFF | | ↓ | | 1010 | | ↓ | | Drinking Water | |
| 56 Forest Edge / 605 Brecker Hill | | 10/19/22 | | 1050 | | ↓ | | Drinking Water | |
| FRB-101922 | | 10/19/22 | | 1636 | | ↓ | | Drinking Water | |
| EB-101922 | | 10/19/22 | | 1650 | | ↓ | | Drinking Water | |
| FRB-102022 | | 10/20/22 | | 1334 | | ↓ | | Drinking Water | |
| MW-7D | | 10/20/22 | | 1408 | | ↓ | | Drinking Water | |
| Trip Blank | | 10/19/22 | | | | | | Water | |
| | | | | | | | | Water | |
| | | | | | | | | Water | |
| | | | | | | | | Water | |

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Part # 159469-434 M/TW EXP-0723

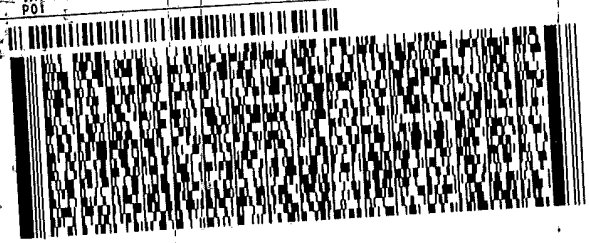
ORIGIN ID: BTVA (802) 660-1990
 SAMPLE RECEIVING
 TEST AMERICA
 301 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 20OCT22
 ACTWGT: 44.90 LB MAN
 CAD: 000890364/CAFE3616
 DIMS: 24x14x16 IN
 BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE
NORTH KINGSTOWN RI 02852

(413) 789-9018
 INV#
 PO#

REF: DEPT:



FedEx
Express



J222022052801 00

2 of 3
 MPS# 6074 1984 8897
 Mstr# 6074 1984 8886

0201

FRI - 21 OCT 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
 RI-US **PVD**



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RT 330
 Part # 15026-034 MTRW EXP 01/23

ORIGIN ID:BTVA (802) 860-1990
 SAMPLE RECEIVING
 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

SHIP DATE: 20001222
 ACTWGT: 59.00 LB MAN
 CAD: 000890364/CAFE361G
 DIMS: 24x14x16 IN
 BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

(413) 789-9018
 INVT
 PO:

REF:

DEPT:



FedEx
 Express



J252022032801 UV

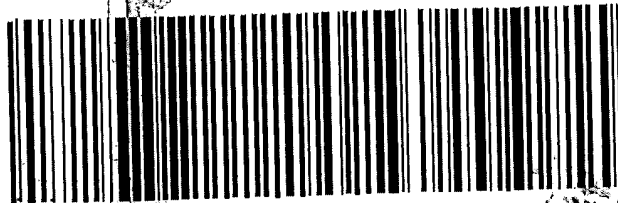
3 of 3
 MPS# 6074 1984 8901
 0263
 Mstr# 6074 1984 8886

0201

FRI - 21 OCT 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
 RI-US PVD



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-7783-2

Login Number: 7783

List Source: Eurofins New England

List Number: 1

Creator: Huntley, Agnes R

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



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-7783-2

Login Number: 7783

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 10/22/22 12:29 PM

Creator: Roth, Stephanie

| 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. | False | Refer to Job Narrative for details. |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| There is sufficient vol. for all requested analyses. | True | |
| Is the Field Sampler's name present on COC? | False | Received project as a subcontract. |
| Sample custody seals are intact. | N/A | |
| VOA sample vials do not have headspace >6mm in diameter (none, if from WV)? | False | Headspace greater than 6mm in diameter in some but not all containers |

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 11/30/2022 5:19:49 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

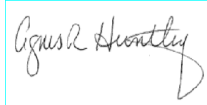
622-8305-1

Eurofins New England

Job Notes

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

Authorization



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11/30/2022 5:19:49 PM

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



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Definitions/Glossary

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

Job ID: 620-8305-1

Qualifiers

GC/MS VOA

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

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |

Glossary

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

Case Narrative

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

Job ID: 620-8305-1

Job ID: 620-8305-1

Laboratory: Eurofins New England

Narrative

Job Narrative 620-8305-1

Comments

No additional comments.

Receipt

The sample was received on 11/15/2022 9:17 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.3° C.

GC/MS VOA

Method 8260C: The laboratory control sample (LCS/LCSD) for analytical batch 620-17679 recovered outside of in-house control limits for the following analytes: Bromochloromethane, Chlorobenzene, 1,4-Dichlorobenzene, 1,1,1,2-Tetrachloroethane, Tetrachloroethene and Ethanol. The analytes did recover within the method parameters of 70-130%. 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 10% of the analytes of interest are outside the method-defined %D criteria. n-Butylbenzene recovered within CCV control limits in the LCS and Hexachlorobutadiene is bias high and ND is the associated samples.

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

HPLC/IC

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

Metals

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

General Chemistry

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: 620-8305-1

Client Sample ID: MW-1R

Lab Sample ID: 620-8305-1

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|--------|------|---------|---|--------|-----------|
| Chromium | 0.0148 | | 0.0100 | mg/L | 1 | | 6010D | Total/NA |
| Iron | 7.25 | | 0.150 | mg/L | 1 | | 6010D | Total/NA |
| Manganese | 0.187 | | 0.0150 | mg/L | 1 | | 6010D | 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: 620-8305-1

Client Sample ID: MW-1R

Lab Sample ID: 620-8305-1

Date Collected: 11/11/22 19:00

Matrix: Water

Date Received: 11/15/22 09:17

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/23/22 22:07 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/23/22 22:07 | 1 |
| Benzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Bromochloromethane | ND | *- | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/23/22 22:07 | 1 |
| Bromoform | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Chlorobenzene | ND | *- | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/23/22 22:07 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,4-Dichlorobenzene | ND | *- | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/23/22 22:07 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/23/22 22:07 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Naphthalene | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-8305-1

Client Sample ID: MW-1R

Lab Sample ID: 620-8305-1

Date Collected: 11/11/22 19:00

Matrix: Water

Date Received: 11/15/22 09:17

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | *- | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/23/22 22:07 | 1 |
| Tetrachloroethene | ND | *- | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Ethyl ether | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/23/22 22:07 | 1 |
| tert-Butanol | ND | *1 | 10.0 | ug/L | | | 11/23/22 22:07 | 1 |
| 1,4-Dioxane | ND | *1 | 50.0 | ug/L | | | 11/23/22 22:07 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/23/22 22:07 | 1 |
| Ethanol | ND | *- *1 | 200 | ug/L | | | 11/23/22 22:07 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | | 11/23/22 22:07 | 1 |
| Toluene-d8 (Surr) | 95 | | 70 - 130 | | 11/23/22 22:07 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 118 | | 70 - 130 | | 11/23/22 22:07 | 1 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 | | 11/23/22 22:07 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|------|---|----------|----------------|---------|
| Chloride | ND | F1 | 7.50 | mg/L | | | 11/28/22 21:07 | 5 |

Method: SW846 6010D - Metals (ICP)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|---------------|-----------|---------|------|---|----------------|----------------|---------|
| Arsenic | ND | | 0.0150 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Cadmium | ND | | 0.00400 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Chromium | 0.0148 | | 0.0100 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Copper | ND | | 0.0250 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Iron | 7.25 | | 0.150 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Lead | ND | | 0.0100 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Manganese | 0.187 | | 0.0150 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Nickel | ND | | 0.0400 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |
| Sodium | ND | | 5.00 | mg/L | | 11/26/22 09:30 | 11/27/22 23:46 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-8305-1

Client Sample ID: MW-1R
Date Collected: 11/11/22 19:00
Date Received: 11/15/22 09:17

Lab Sample ID: 620-8305-1
Matrix: Water

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|--------|------|---|----------------|----------------|---------|
| Zinc | ND | | 0.0300 | mg/L | | 11/26/22 09:30 | 11/28/22 15:29 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.200 | ug/L | | 11/28/22 11:26 | 11/28/22 14:39 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|------|---|----------|----------------|---------|
| Chemical Oxygen Demand (MCAWW 410.4) | ND | | 75.0 | mg/L | | | 11/17/22 06:20 | 1 |



Surrogate Summary

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

Job ID: 620-8305-1

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 | BFB | TOL | DCA | DBFM |
|------------------|------------------------|----------|----------|----------|----------|
| | | (70-130) | (70-130) | (70-130) | (70-130) |
| 620-8305-1 | MW-1R | 108 | 95 | 118 | 97 |
| LCS 620-17679/4 | Lab Control Sample | 110 | 96 | 120 | 99 |
| LCSD 620-17679/5 | Lab Control Sample Dup | 110 | 94 | 118 | 97 |
| MB 620-17679/7 | Method Blank | 108 | 94 | 119 | 98 |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: MB 620-17679/7
Matrix: Water
Analysis Batch: 17679

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 | | | 11/23/22 13:56 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/23/22 13:56 | 1 |
| Acrylonitrile | ND | | 0.500 | ug/L | | | 11/23/22 13:56 | 1 |
| Benzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Bromobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Bromochloromethane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/23/22 13:56 | 1 |
| Bromoform | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Bromomethane | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 2-Butanone (MEK) | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| n-Butylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| sec-Butylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| tert-Butylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Carbon tetrachloride | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Chlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Chloroethane | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Chloroform | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Chloromethane | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 2-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 4-Chlorotoluene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2-Dibromoethane (EDB) | ND | | 0.500 | ug/L | | | 11/23/22 13:56 | 1 |
| Dibromomethane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,3-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,4-Dichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Dichlorodifluoromethane (Freon 12) | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,1-Dichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2-Dichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,1-Dichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| cis-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| trans-1,2-Dichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,3-Dichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 2,2-Dichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,1-Dichloropropene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/23/22 13:56 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/23/22 13:56 | 1 |
| Ethylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Hexachlorobutadiene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 2-Hexanone (MBK) | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Isopropylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 4-Isopropyltoluene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Methyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 4-Methyl-2-pentanone (MIBK) | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Methylene Chloride | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: MB 620-17679/7
Matrix: Water
Analysis Batch: 17679

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 | | | 11/23/22 13:56 | 1 |
| N-Propylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Styrene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,1,1,2-Tetrachloroethane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/23/22 13:56 | 1 |
| Tetrachloroethene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Toluene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,3,5-Trichlorobenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,1,1-Trichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,1,2-Trichloroethane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Trichloroethene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Trichlorofluoromethane (Freon 11) | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2,3-Trichloropropane | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Vinyl chloride | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| m-Xylene & p-Xylene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| o-Xylene | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Tetrahydrofuran | ND | | 2.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Ethyl ether | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Tert-amyl methyl ether | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Ethyl tert-butyl ether | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| di-Isopropyl ether | ND | | 1.00 | ug/L | | | 11/23/22 13:56 | 1 |
| tert-Butanol | ND | | 10.0 | ug/L | | | 11/23/22 13:56 | 1 |
| 1,4-Dioxane | ND | | 50.0 | ug/L | | | 11/23/22 13:56 | 1 |
| trans-1,4-Dichloro-2-butene | ND | | 5.00 | ug/L | | | 11/23/22 13:56 | 1 |
| Ethanol | ND | | 200 | ug/L | | | 11/23/22 13:56 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | | 11/23/22 13:56 | 1 |
| Toluene-d8 (Surr) | 94 | | 70 - 130 | | 11/23/22 13:56 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 119 | | 70 - 130 | | 11/23/22 13:56 | 1 |
| Dibromofluoromethane (Surr) | 98 | | 70 - 130 | | 11/23/22 13:56 | 1 |

Lab Sample ID: LCS 620-17679/4
Matrix: Water
Analysis Batch: 17679

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 | 17.91 | | ug/L | | 90 | 85 - 124 |
| Acetone | 20.0 | 14.17 | | ug/L | | 71 | 14 - 133 |
| Acrylonitrile | 20.0 | 14.51 | | ug/L | | 73 | 62 - 134 |
| Benzene | 20.0 | 17.63 | | ug/L | | 88 | 86 - 111 |
| Bromobenzene | 20.0 | 16.98 | | ug/L | | 85 | 82 - 120 |
| Bromochloromethane | 20.0 | 15.47 | *- | ug/L | | 77 | 83 - 123 |
| Bromodichloromethane | 20.0 | 19.24 | | ug/L | | 96 | 83 - 137 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: LCS 620-17679/4
Matrix: Water
Analysis Batch: 17679

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 | 18.44 | | ug/L | | 92 | 91 - 137 |
| Bromomethane | 20.0 | 17.07 | | ug/L | | 85 | 29 - 148 |
| 2-Butanone (MEK) | 20.0 | 15.55 | | ug/L | | 78 | 10 - 200 |
| n-Butylbenzene | 20.0 | 21.80 | | ug/L | | 109 | 85 - 138 |
| sec-Butylbenzene | 20.0 | 19.49 | | ug/L | | 97 | 75 - 118 |
| tert-Butylbenzene | 20.0 | 18.74 | | ug/L | | 94 | 85 - 122 |
| Carbon disulfide | 20.0 | 16.36 | | ug/L | | 82 | 69 - 150 |
| Carbon tetrachloride | 20.0 | 18.52 | | ug/L | | 93 | 84 - 123 |
| Chlorobenzene | 20.0 | 16.55 | *- | ug/L | | 83 | 93 - 115 |
| Chloroethane | 20.0 | 19.27 | | ug/L | | 96 | 56 - 155 |
| Chloroform | 20.0 | 18.30 | | ug/L | | 91 | 84 - 116 |
| Chloromethane | 20.0 | 12.43 | | ug/L | | 62 | 45 - 138 |
| 2-Chlorotoluene | 20.0 | 20.15 | | ug/L | | 101 | 88 - 116 |
| 4-Chlorotoluene | 20.0 | 20.07 | | ug/L | | 100 | 81 - 128 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 19.22 | | ug/L | | 96 | 70 - 139 |
| Dibromochloromethane | 20.0 | 17.38 | | ug/L | | 87 | 83 - 132 |
| 1,2-Dibromoethane (EDB) | 20.0 | 17.60 | | ug/L | | 88 | 82 - 125 |
| Dibromomethane | 20.0 | 18.35 | | ug/L | | 92 | 80 - 125 |
| 1,2-Dichlorobenzene | 20.0 | 17.73 | | ug/L | | 89 | 84 - 128 |
| 1,3-Dichlorobenzene | 20.0 | 17.41 | | ug/L | | 87 | 85 - 120 |
| 1,4-Dichlorobenzene | 20.0 | 16.72 | *- | ug/L | | 84 | 86 - 116 |
| Dichlorodifluoromethane (Freon 12) | 20.0 | 13.06 | | ug/L | | 65 | 36 - 131 |
| 1,1-Dichloroethane | 20.0 | 18.04 | | ug/L | | 90 | 81 - 120 |
| 1,2-Dichloroethane | 20.0 | 20.50 | | ug/L | | 102 | 82 - 116 |
| 1,1-Dichloroethene | 20.0 | 16.61 | | ug/L | | 83 | 83 - 120 |
| cis-1,2-Dichloroethene | 20.0 | 17.16 | | ug/L | | 86 | 81 - 124 |
| trans-1,2-Dichloroethene | 20.0 | 17.33 | | ug/L | | 87 | 81 - 127 |
| 1,2-Dichloropropane | 20.0 | 17.08 | | ug/L | | 85 | 76 - 132 |
| 1,3-Dichloropropane | 20.0 | 18.65 | | ug/L | | 93 | 74 - 122 |
| 2,2-Dichloropropane | 20.0 | 18.96 | | ug/L | | 95 | 77 - 130 |
| 1,1-Dichloropropene | 20.0 | 18.57 | | ug/L | | 93 | 81 - 115 |
| cis-1,3-Dichloropropene | 20.0 | 19.29 | | ug/L | | 96 | 74 - 129 |
| trans-1,3-Dichloropropene | 20.0 | 21.69 | | ug/L | | 108 | 78 - 126 |
| Ethylbenzene | 20.0 | 19.31 | | ug/L | | 97 | 89 - 117 |
| Hexachlorobutadiene | 20.0 | 21.14 | | ug/L | | 106 | 77 - 118 |
| 2-Hexanone (MBK) | 20.0 | 14.82 | | ug/L | | 74 | 37 - 123 |
| Isopropylbenzene | 20.0 | 19.17 | | ug/L | | 96 | 83 - 117 |
| 4-Isopropyltoluene | 20.0 | 20.32 | | ug/L | | 102 | 83 - 124 |
| Methyl tert-butyl ether | 20.0 | 19.12 | | ug/L | | 96 | 70 - 126 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 15.44 | | ug/L | | 77 | 59 - 118 |
| Methylene Chloride | 20.0 | 16.88 | | ug/L | | 84 | 75 - 121 |
| Naphthalene | 20.0 | 16.95 | | ug/L | | 85 | 67 - 123 |
| N-Propylbenzene | 20.0 | 20.45 | | ug/L | | 102 | 84 - 128 |
| Styrene | 20.0 | 19.51 | | ug/L | | 98 | 78 - 127 |
| 1,1,1,2-Tetrachloroethane | 20.0 | 17.52 | *- | ug/L | | 88 | 91 - 118 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 17.02 | | ug/L | | 85 | 77 - 129 |
| Tetrachloroethene | 20.0 | 16.12 | *- | ug/L | | 81 | 85 - 116 |
| Toluene | 20.0 | 17.74 | | ug/L | | 89 | 88 - 109 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: LCS 620-17679/4
Matrix: Water
Analysis Batch: 17679

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 | 21.12 | | ug/L | | 106 | 67 - 134 |
| 1,2,4-Trichlorobenzene | 20.0 | 19.62 | | ug/L | | 98 | 78 - 133 |
| 1,3,5-Trichlorobenzene | 20.0 | 20.06 | | ug/L | | 100 | 77 - 127 |
| 1,1,1-Trichloroethane | 20.0 | 18.86 | | ug/L | | 94 | 83 - 124 |
| 1,1,2-Trichloroethane | 20.0 | 17.84 | | ug/L | | 89 | 84 - 132 |
| Trichloroethene | 20.0 | 18.38 | | ug/L | | 92 | 74 - 118 |
| Trichlorofluoromethane (Freon 11) | 20.0 | 18.72 | | ug/L | | 94 | 82 - 126 |
| 1,2,3-Trichloropropane | 20.0 | 19.36 | | ug/L | | 97 | 77 - 124 |
| 1,2,4-Trimethylbenzene | 20.0 | 20.23 | | ug/L | | 101 | 89 - 126 |
| 1,3,5-Trimethylbenzene | 20.0 | 20.07 | | ug/L | | 100 | 89 - 125 |
| Vinyl chloride | 20.0 | 17.23 | | ug/L | | 86 | 62 - 130 |
| m-Xylene & p-Xylene | 20.0 | 20.37 | | ug/L | | 102 | 85 - 123 |
| o-Xylene | 20.0 | 20.73 | | ug/L | | 104 | 85 - 119 |
| Tetrahydrofuran | 20.0 | 14.56 | | ug/L | | 73 | 60 - 133 |
| Ethyl ether | 20.0 | 17.39 | | ug/L | | 87 | 69 - 122 |
| Tert-amyl methyl ether | 20.0 | 19.05 | | ug/L | | 95 | 50 - 140 |
| Ethyl tert-butyl ether | 20.0 | 18.47 | | ug/L | | 92 | 60 - 131 |
| di-Isopropyl ether | 20.0 | 15.93 | | ug/L | | 80 | 67 - 125 |
| tert-Butanol | 200 | 150.7 | | ug/L | | 75 | 50 - 169 |
| 1,4-Dioxane | 200 | 176.4 | | ug/L | | 88 | 28 - 150 |
| trans-1,4-Dichloro-2-butene | 20.0 | 17.32 | | ug/L | | 87 | 48 - 153 |
| Ethanol | 400 | 185.5 | J * | ug/L | | 46 | 47 - 170 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 120 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 99 | | 70 - 130 |

Lab Sample ID: LCSD 620-17679/5
Matrix: Water
Analysis Batch: 17679

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 | 18.48 | | ug/L | | 92 | 85 - 124 | 3 | 20 |
| Acetone | 20.0 | 17.26 | | ug/L | | 86 | 14 - 133 | 20 | 20 |
| Acrylonitrile | 20.0 | 16.75 | | ug/L | | 84 | 62 - 134 | 14 | 20 |
| Benzene | 20.0 | 18.49 | | ug/L | | 92 | 86 - 111 | 5 | 20 |
| Bromobenzene | 20.0 | 17.65 | | ug/L | | 88 | 82 - 120 | 4 | 20 |
| Bromochloromethane | 20.0 | 15.87 | * | ug/L | | 79 | 83 - 123 | 3 | 20 |
| Bromodichloromethane | 20.0 | 19.19 | | ug/L | | 96 | 83 - 137 | 0 | 20 |
| Bromoform | 20.0 | 20.05 | | ug/L | | 100 | 91 - 137 | 8 | 20 |
| Bromomethane | 20.0 | 18.64 | | ug/L | | 93 | 29 - 148 | 9 | 20 |
| 2-Butanone (MEK) | 20.0 | 17.65 | | ug/L | | 88 | 10 - 200 | 13 | 20 |
| n-Butylbenzene | 20.0 | 23.46 | | ug/L | | 117 | 85 - 138 | 7 | 20 |
| sec-Butylbenzene | 20.0 | 20.27 | | ug/L | | 101 | 75 - 118 | 4 | 20 |
| tert-Butylbenzene | 20.0 | 19.04 | | ug/L | | 95 | 85 - 122 | 2 | 20 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: LCSD 620-17679/5
Matrix: Water
Analysis Batch: 17679

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 | 17.51 | | ug/L | | 88 | 69 - 150 | 7 | 20 |
| Carbon tetrachloride | 20.0 | 19.31 | | ug/L | | 97 | 84 - 123 | 4 | 20 |
| Chlorobenzene | 20.0 | 17.15 | *- | ug/L | | 86 | 93 - 115 | 4 | 20 |
| Chloroethane | 20.0 | 19.81 | | ug/L | | 99 | 56 - 155 | 3 | 20 |
| Chloroform | 20.0 | 18.56 | | ug/L | | 93 | 84 - 116 | 1 | 20 |
| Chloromethane | 20.0 | 13.42 | | ug/L | | 67 | 45 - 138 | 8 | 20 |
| 2-Chlorotoluene | 20.0 | 20.66 | | ug/L | | 103 | 88 - 116 | 3 | 20 |
| 4-Chlorotoluene | 20.0 | 20.78 | | ug/L | | 104 | 81 - 128 | 3 | 20 |
| 1,2-Dibromo-3-Chloropropane | 20.0 | 22.60 | | ug/L | | 113 | 70 - 139 | 16 | 20 |
| Dibromochloromethane | 20.0 | 17.83 | | ug/L | | 89 | 83 - 132 | 3 | 20 |
| 1,2-Dibromoethane (EDB) | 20.0 | 18.01 | | ug/L | | 90 | 82 - 125 | 2 | 20 |
| Dibromomethane | 20.0 | 18.70 | | ug/L | | 94 | 80 - 125 | 2 | 20 |
| 1,2-Dichlorobenzene | 20.0 | 18.91 | | ug/L | | 95 | 84 - 128 | 6 | 20 |
| 1,3-Dichlorobenzene | 20.0 | 17.91 | | ug/L | | 90 | 85 - 120 | 3 | 20 |
| 1,4-Dichlorobenzene | 20.0 | 17.52 | | ug/L | | 88 | 86 - 116 | 5 | 20 |
| Dichlorodifluoromethane (Freon 12) | 20.0 | 13.24 | | ug/L | | 66 | 36 - 131 | 1 | 20 |
| 1,1-Dichloroethane | 20.0 | 18.54 | | ug/L | | 93 | 81 - 120 | 3 | 20 |
| 1,2-Dichloroethane | 20.0 | 20.19 | | ug/L | | 101 | 82 - 116 | 1 | 20 |
| 1,1-Dichloroethene | 20.0 | 18.08 | | ug/L | | 90 | 83 - 120 | 9 | 20 |
| cis-1,2-Dichloroethene | 20.0 | 18.20 | | ug/L | | 91 | 81 - 124 | 6 | 20 |
| trans-1,2-Dichloroethene | 20.0 | 18.03 | | ug/L | | 90 | 81 - 127 | 4 | 20 |
| 1,2-Dichloropropane | 20.0 | 17.54 | | ug/L | | 88 | 76 - 132 | 3 | 20 |
| 1,3-Dichloropropane | 20.0 | 18.93 | | ug/L | | 95 | 74 - 122 | 2 | 20 |
| 2,2-Dichloropropane | 20.0 | 19.72 | | ug/L | | 99 | 77 - 130 | 4 | 20 |
| 1,1-Dichloropropene | 20.0 | 19.37 | | ug/L | | 97 | 81 - 115 | 4 | 20 |
| cis-1,3-Dichloropropene | 20.0 | 19.55 | | ug/L | | 98 | 74 - 129 | 1 | 20 |
| trans-1,3-Dichloropropene | 20.0 | 21.16 | | ug/L | | 106 | 78 - 126 | 2 | 20 |
| Ethylbenzene | 20.0 | 20.05 | | ug/L | | 100 | 89 - 117 | 4 | 20 |
| Hexachlorobutadiene | 20.0 | 22.67 | | ug/L | | 113 | 77 - 118 | 7 | 20 |
| 2-Hexanone (MBK) | 20.0 | 17.37 | | ug/L | | 87 | 37 - 123 | 16 | 20 |
| Isopropylbenzene | 20.0 | 20.12 | | ug/L | | 101 | 83 - 117 | 5 | 20 |
| 4-Isopropyltoluene | 20.0 | 21.49 | | ug/L | | 107 | 83 - 124 | 6 | 20 |
| Methyl tert-butyl ether | 20.0 | 20.22 | | ug/L | | 101 | 70 - 126 | 6 | 20 |
| 4-Methyl-2-pentanone (MIBK) | 20.0 | 17.63 | | ug/L | | 88 | 59 - 118 | 13 | 20 |
| Methylene Chloride | 20.0 | 17.19 | | ug/L | | 86 | 75 - 121 | 2 | 20 |
| Naphthalene | 20.0 | 19.94 | | ug/L | | 100 | 67 - 123 | 16 | 20 |
| N-Propylbenzene | 20.0 | 21.38 | | ug/L | | 107 | 84 - 128 | 4 | 20 |
| Styrene | 20.0 | 20.52 | | ug/L | | 103 | 78 - 127 | 5 | 20 |
| 1,1,1,2-Tetrachloroethane | 20.0 | 17.54 | *- | ug/L | | 88 | 91 - 118 | 0 | 20 |
| 1,1,2,2-Tetrachloroethane | 20.0 | 18.86 | | ug/L | | 94 | 77 - 129 | 10 | 20 |
| Tetrachloroethene | 20.0 | 16.51 | *- | ug/L | | 83 | 85 - 116 | 2 | 20 |
| Toluene | 20.0 | 18.37 | | ug/L | | 92 | 88 - 109 | 3 | 20 |
| 1,2,3-Trichlorobenzene | 20.0 | 22.83 | | ug/L | | 114 | 67 - 134 | 8 | 20 |
| 1,2,4-Trichlorobenzene | 20.0 | 20.80 | | ug/L | | 104 | 78 - 133 | 6 | 20 |
| 1,3,5-Trichlorobenzene | 20.0 | 21.04 | | ug/L | | 105 | 77 - 127 | 5 | 20 |
| 1,1,1-Trichloroethane | 20.0 | 19.32 | | ug/L | | 97 | 83 - 124 | 2 | 20 |
| 1,1,2-Trichloroethane | 20.0 | 17.81 | | ug/L | | 89 | 84 - 132 | 0 | 20 |
| Trichloroethene | 20.0 | 19.35 | | ug/L | | 97 | 74 - 118 | 5 | 20 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: LCSD 620-17679/5
Matrix: Water
Analysis Batch: 17679

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 | 18.99 | | ug/L | | 95 | 82 - 126 | 1 | 20 |
| 1,2,3-Trichloropropane | 20.0 | 20.82 | | ug/L | | 104 | 77 - 124 | 7 | 20 |
| 1,2,4-Trimethylbenzene | 20.0 | 20.89 | | ug/L | | 104 | 89 - 126 | 3 | 20 |
| 1,3,5-Trimethylbenzene | 20.0 | 20.59 | | ug/L | | 103 | 89 - 125 | 3 | 20 |
| Vinyl chloride | 20.0 | 17.97 | | ug/L | | 90 | 62 - 130 | 4 | 20 |
| m-Xylene & p-Xylene | 20.0 | 21.65 | | ug/L | | 108 | 85 - 123 | 6 | 20 |
| o-Xylene | 20.0 | 21.42 | | ug/L | | 107 | 85 - 119 | 3 | 20 |
| Tetrahydrofuran | 20.0 | 17.57 | | ug/L | | 88 | 60 - 133 | 19 | 20 |
| Ethyl ether | 20.0 | 18.63 | | ug/L | | 93 | 69 - 122 | 7 | 20 |
| Tert-amyl methyl ether | 20.0 | 19.53 | | ug/L | | 98 | 50 - 140 | 3 | 20 |
| Ethyl tert-butyl ether | 20.0 | 19.02 | | ug/L | | 95 | 60 - 131 | 3 | 20 |
| di-Isopropyl ether | 20.0 | 16.81 | | ug/L | | 84 | 67 - 125 | 5 | 20 |
| tert-Butanol | 200 | 198.9 | *1 | ug/L | | 99 | 50 - 169 | 28 | 20 |
| 1,4-Dioxane | 200 | 221.3 | *1 | ug/L | | 111 | 28 - 150 | 23 | 20 |
| trans-1,4-Dichloro-2-butene | 20.0 | 20.18 | | ug/L | | 101 | 48 - 153 | 15 | 20 |
| Ethanol | 400 | 236.4 | *1 | ug/L | | 59 | 47 - 170 | 24 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|------------------------------|----------------|----------------|-------------|
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 |
| Toluene-d8 (Surr) | 94 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 118 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 |

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

Lab Sample ID: MB 410-321353/5
Matrix: Water
Analysis Batch: 321353

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

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|------|---|----------|----------------|---------|
| Chloride | ND | | 1.50 | mg/L | | | 11/28/22 10:39 | 1 |

Lab Sample ID: LCS 410-321353/3
Matrix: Water
Analysis Batch: 321353

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 | 2.896 | | mg/L | | 97 | 90 - 110 |

Lab Sample ID: LCSD 410-321353/4
Matrix: Water
Analysis Batch: 321353

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 | 2.882 | | mg/L | | 96 | 90 - 110 | 0 | 20 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: 620-8305-1 MS
 Matrix: Water
 Analysis Batch: 321353

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 | F1 | 10.0 | 11.52 | F1 | mg/L | | 115 | 90 - 110 |

Lab Sample ID: 620-8305-1 DU
 Matrix: Water
 Analysis Batch: 321353

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 | F1 | ND | | mg/L | | NC | 15 |

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-879832/1-A
 Matrix: Water
 Analysis Batch: 879948

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 879832

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|---------|------|---|----------------|----------------|---------|
| Arsenic | ND | | 0.0150 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Cadmium | ND | | 0.00400 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Copper | ND | | 0.0250 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Iron | ND | | 0.150 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Lead | ND | | 0.0100 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Manganese | ND | | 0.0150 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Nickel | ND | | 0.0400 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Sodium | ND | | 5.00 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |
| Zinc | ND | | 0.0300 | mg/L | | 11/26/22 09:30 | 11/27/22 22:16 | 1 |

Lab Sample ID: MB 460-879832/1-A
 Matrix: Water
 Analysis Batch: 880145

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 879832

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|---------|------|---|----------------|----------------|---------|
| Arsenic | ND | | 0.0150 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Cadmium | ND | | 0.00400 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Chromium | ND | | 0.0100 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Copper | ND | | 0.0250 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Iron | ND | | 0.150 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Lead | ND | | 0.0100 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Manganese | ND | | 0.0150 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Nickel | ND | | 0.0400 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Sodium | ND | | 5.00 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |
| Zinc | ND | | 0.0300 | mg/L | | 11/26/22 09:30 | 11/28/22 14:43 | 1 |

Lab Sample ID: LCS 460-879832/2-A
 Matrix: Water
 Analysis Batch: 879948

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 879832

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Arsenic | 2.00 | 2.004 | | mg/L | | 100 | 80 - 120 |
| Cadmium | 0.0500 | 0.05136 | | mg/L | | 103 | 80 - 120 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-1

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

Lab Sample ID: LCS 460-879832/2-A
 Matrix: Water
 Analysis Batch: 879948

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 879832

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|------|---|------|-------------|
| Chromium | 0.200 | 0.2032 | | mg/L | | 102 | 80 - 120 |
| Copper | 0.250 | 0.2175 | | mg/L | | 87 | 80 - 120 |
| Iron | 1.00 | 0.9463 | | mg/L | | 95 | 80 - 120 |
| Lead | 0.500 | 0.5141 | | mg/L | | 103 | 80 - 120 |
| Manganese | 0.500 | 0.5000 | | mg/L | | 100 | 80 - 120 |
| Nickel | 0.500 | 0.5207 | | mg/L | | 104 | 80 - 120 |
| Sodium | 20.0 | 19.17 | | mg/L | | 96 | 80 - 120 |
| Zinc | 0.500 | 0.5012 | | mg/L | | 100 | 80 - 120 |

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-880043/1-A
 Matrix: Water
 Analysis Batch: 880148

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 880043

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|------|---|----------------|----------------|---------|
| Mercury | ND | | 0.200 | ug/L | | 11/28/22 11:26 | 11/28/22 14:05 | 1 |

Lab Sample ID: LCS 460-880043/2-A
 Matrix: Water
 Analysis Batch: 880148

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 880043

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 1.00 | 1.009 | | ug/L | | 101 | 80 - 120 |

Method: 410.4 - COD

Lab Sample ID: MB 410-318538/4
 Matrix: Water
 Analysis Batch: 318538

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 | | | 11/17/22 06:20 | 1 |

Lab Sample ID: 620-8305-1 MS
 Matrix: Water
 Analysis Batch: 318538

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 |
|------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chemical Oxygen Demand | ND | | 400 | 417.2 | | mg/L | | 96 | 94 - 110 |

Lab Sample ID: 620-8305-1 DU
 Matrix: Water
 Analysis Batch: 318538

Client Sample ID: MW-1R
 Prep Type: Total/NA

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

Eurofins New England

QC Association Summary

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

Job ID: 620-8305-1

GC/MS VOA

Analysis Batch: 17679

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 8260C | |
| MB 620-17679/7 | Method Blank | Total/NA | Water | 8260C | |
| LCS 620-17679/4 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 620-17679/5 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

HPLC/IC

Analysis Batch: 321353

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|----------------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | EPA 300.0 R2.1 | |
| MB 410-321353/5 | Method Blank | Total/NA | Water | EPA 300.0 R2.1 | |
| LCS 410-321353/3 | Lab Control Sample | Total/NA | Water | EPA 300.0 R2.1 | |
| LCSD 410-321353/4 | Lab Control Sample Dup | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-8305-1 MS | MW-1R | Total/NA | Water | EPA 300.0 R2.1 | |
| 620-8305-1 DU | MW-1R | Total/NA | Water | EPA 300.0 R2.1 | |

Metals

Prep Batch: 879832

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 3010A | |
| MB 460-879832/1-A | Method Blank | Total/NA | Water | 3010A | |
| LCS 460-879832/2-A | Lab Control Sample | Total/NA | Water | 3010A | |

Analysis Batch: 879948

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 6010D | 879832 |
| MB 460-879832/1-A | Method Blank | Total/NA | Water | 6010D | 879832 |
| LCS 460-879832/2-A | Lab Control Sample | Total/NA | Water | 6010D | 879832 |

Prep Batch: 880043

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 7470A | |
| MB 460-880043/1-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 460-880043/2-A | Lab Control Sample | Total/NA | Water | 7470A | |

Analysis Batch: 880145

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 6010D | 879832 |
| MB 460-879832/1-A | Method Blank | Total/NA | Water | 6010D | 879832 |

Analysis Batch: 880148

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 7470A | 880043 |
| MB 460-880043/1-A | Method Blank | Total/NA | Water | 7470A | 880043 |
| LCS 460-880043/2-A | Lab Control Sample | Total/NA | Water | 7470A | 880043 |

General Chemistry

Analysis Batch: 318538

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 410.4 | |

Eurofins New England

QC Association Summary

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

Job ID: 620-8305-1

General Chemistry (Continued)

Analysis Batch: 318538 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| MB 410-318538/4 | Method Blank | Total/NA | Water | 410.4 | |
| LCS 410-318538/5 | Lab Control Sample | Total/NA | Water | 410.4 | |
| 620-8305-1 MS | MW-1R | Total/NA | Water | 410.4 | |
| 620-8305-1 DU | MW-1R | Total/NA | Water | 410.4 | |

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Lab Chronicle

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

Job ID: 620-8305-1

Client Sample ID: MW-1R

Date Collected: 11/11/22 19:00

Date Received: 11/15/22 09:17

Lab Sample ID: 620-8305-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|----------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA | Analysis | 8260C | | 1 | 17679 | BJJ | EET NE | 11/23/22 22:07 |
| Total/NA | Analysis | EPA 300.0 R2.1 | | 5 | 321353 | L4QM | ELLE | 11/28/22 21:07 |
| Total/NA | Prep | 3010A | | | 879832 | GAE | EET EDI | 11/26/22 09:30 |
| Total/NA | Analysis | 6010D | | 1 | 879948 | YZH | EET EDI | 11/27/22 23:46 |
| Total/NA | Prep | 3010A | | | 879832 | GAE | EET EDI | 11/26/22 09:30 |
| Total/NA | Analysis | 6010D | | 1 | 880145 | YZH | EET EDI | 11/28/22 15:29 |
| Total/NA | Prep | 7470A | | | 880043 | RBS | EET EDI | 11/28/22 11:26 |
| Total/NA | Analysis | 7470A | | 1 | 880148 | RBS | EET EDI | 11/28/22 14:39 |
| Total/NA | Analysis | 410.4 | | 1 | 318538 | USAE | ELLE | 11/17/22 06:20 |

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

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

Accreditation/Certification Summary

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

Job ID: 620-8305-1

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 | 06-30-23 |
| New Hampshire | NELAP | 2240 | 08-03-23 |
| New Jersey | NELAP | RI008 | 06-30-23 |
| 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 Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------------------------------|---------------------|-----------------------|-----------------|
| DE Haz. Subst. Cleanup Act (HSCA) | State | N/A | 01-01-23 |
| Massachusetts | State | M-NJ312 | 06-30-23 |
| New Jersey | NELAP | 12028 | 06-30-23 |
| New York | NELAP | 11452 | 04-01-23 |
| Pennsylvania | NELAP | 68-00522 | 02-28-23 |
| Rhode Island | State | LAO00376 | 12-31-22 |
| USDA | US Federal Programs | P330-20-00244 | 11-03-23 |

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------------------|
| 410.4 | | Water | Chemical Oxygen Demand |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

Job ID: 620-8305-1

| Method | Method Description | Protocol | Laboratory |
|----------------|-------------------------------------|----------|------------|
| 8260C | Volatile Organic Compounds by GC/MS | SW846 | EET NE |
| EPA 300.0 R2.1 | Anions, Ion Chromatography | EPA | ELLE |
| 6010D | Metals (ICP) | SW846 | EET EDI |
| 7470A | Mercury (CVAA) | SW846 | EET EDI |
| 410.4 | COD | MCAWW | ELLE |
| 3010A | Preparation, Total Metals | SW846 | EET EDI |
| 5030C | Purge and Trap | SW846 | EET NE |
| 7470A | Preparation, Mercury | SW846 | EET EDI |

Protocol References:

EPA = US Environmental Protection Agency

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:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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

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

Sample Summary

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

Job ID: 620-8305-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 620-8305-1 | MW-1R | Water | 11/11/22 19:00 | 11/15/22 09:17 |

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Part # 159489-434 MTW EXP 01/23

ORIGIN ID:BTVA (802) 860-1990
 SAMPLE RECEIVING
 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

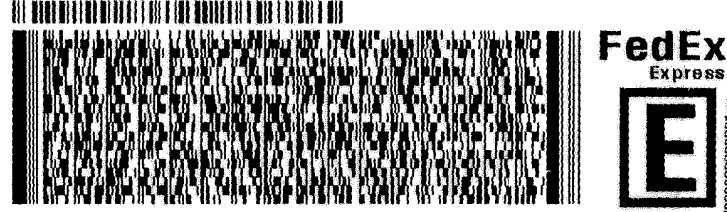
SHIP DATE: 14NOV22
 ACTWGT: 32.45 LB MAN
 CAD: 000890364/CAFE3616

BILL RECIPIENT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

INU: REF: PO: DEPT:



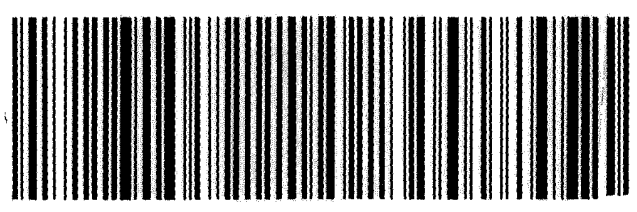
FedEx
Express
E

TRK# 6152 8537 3383
 0201

TUE - 15 NOV 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
 RI-US **PVD**



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-8305-1

Login Number: 8305

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: 620-8305-1

Login Number: 8305

List Number: 3

Creator: Rivera, Kenneth

List Source: Eurofins Edison

List Creation: 11/17/22 02:04 PM

| Question | Answer | Comment |
|--|--------|--------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.2°C, IR #9 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | 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: 620-8305-1

Login Number: 8305

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 11/16/22 12:55 PM

Creator: Ballard, Megan

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



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/9/2022 5:13:38 PM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

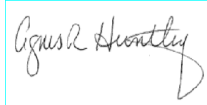
622-8305-2

Eurofins New England

Job Notes

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

Authorization



Generated
12/9/2022 5:13:38 PM

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



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Definitions/Glossary

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

Job ID: 620-8305-2

Qualifiers

LCMS

| Qualifier | Qualifier Description |
|-----------|---|
| *5+ | Isotope dilution analyte is outside acceptance limits, high biased. |

Glossary

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

Case Narrative

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

Job ID: 620-8305-2

Job ID: 620-8305-2

Laboratory: Eurofins New England

Narrative

**Job Narrative
620-8305-2**

Comments

No additional comments.

Receipt

The sample was received on 11/15/2022 9:17 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.3° C.

LCMS

Method 537 (modified): The recovery for the labeled isotope: M2-4:2 FTS in the following sample: MW-1R (620-8305-1) 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.

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

Organic Prep

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

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Detection Summary

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

Job ID: 620-8305-2

Client Sample ID: MW-1R

Lab Sample ID: 620-8305-1

No Detections.

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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: 620-8305-2

Client Sample ID: MW-1R

Lab Sample ID: 620-8305-1

Date Collected: 11/11/22 19:00

Matrix: Water

Date Received: 11/15/22 09:17

Method: EPA 537 IDA - EPA 537 Isotope Dilution

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 2.58 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| NMeFOSAA | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorobutanesulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorobutanoic acid | ND | | 4.30 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorodecanesulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorodecanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorododecanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluoroheptanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorohexanesulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorohexanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorononanesulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorononanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorooctanesulfonamide | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorooctanesulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorooctanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluoropentanesulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluoropentanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorotetradecanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluorotridecanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| Perfluoroundecanoic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 4.30 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 2.58 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 1.72 | ng/L | | 11/25/22 14:52 | 12/07/22 18:06 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 590 | *5+ | 10 - 200 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| M2-6:2 FTS | 197 | | 17 - 200 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| M2-8:2 FTS | 147 | | 33 - 200 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C2 PFTeDA | 91 | | 10 - 179 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C3 HFPO-DA | 86 | | 17 - 185 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C3 PFBS | 147 | | 16 - 200 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C4 PFBA | 117 | | 42 - 165 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C4 PFHpA | 124 | | 31 - 182 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C5 PFPeA | 172 | | 38 - 187 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C8 PFOA | 113 | | 48 - 162 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C8 PFOS | 117 | | 51 - 159 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| d3-NMeFOSAA | 130 | | 31 - 174 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| d5-NEtFOSAA | 128 | | 29 - 195 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| d9-N-EtFOSE-M | 48 | | 10 - 177 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C3 PFHxS | 109 | | 28 - 188 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C5 PFHxA | 128 | | 24 - 179 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C6 PFDA | 112 | | 49 - 163 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C7 PFUnA | 111 | | 34 - 174 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| d3-NMePFOSA | 71 | | 10 - 155 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| d5-NEtPFOSA | 57 | | 10 - 159 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C8 FOSA | 96 | | 10 - 168 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C2-PFDoDA | 99 | | 17 - 176 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |
| 13C9 PFNA | 126 | | 51 - 167 | 11/25/22 14:52 | 12/07/22 18:06 | 1 |

Eurofins New England

Isotope Dilution Summary

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

Job ID: 620-8305-2

Method: 537 IDA - EPA 537 Isotope Dilution

Matrix: Water

Prep Type: Total/NA

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---------------------|------------------------|---|---------------------|---------------------|-------------------|--------------------|--------------------|------------------|--------------------|
| Lab Sample ID | Client Sample ID | M242FTS (10-200) | M262FTS (17-200) | M282FTS (33-200) | PFTDA (10-179) | HFPODA (17-185) | C3PFBS (16-200) | PFBA (42-165) | C4PFHA (31-182) |
| 620-8305-1 | MW-1R | 590 *5+ | 197 | 147 | 91 | 86 | 147 | 117 | 124 |
| LCS 410-320870/2-A | Lab Control Sample | 122 | 111 | 109 | 94 | 73 | 107 | 108 | 110 |
| LCSD 410-320870/3-A | Lab Control Sample Dup | 134 | 114 | 118 | 102 | 80 | 111 | 115 | 118 |
| MB 410-320870/1-A | Method Blank | 126 | 110 | 106 | 90 | 85 | 105 | 108 | 119 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---------------------|------------------------|---|--------------------|--------------------|-----------------------|-----------------------|------------------|--------------------|---------------------|
| Lab Sample ID | Client Sample ID | PFPeA (38-187) | C8PFOA (48-162) | C8PFOS (51-159) | d3NMFOFOS (31-174) | d5NEFOFOS (29-195) | NEFM (10-177) | C3PFHS (28-188) | 13C5PHA (24-179) |
| 620-8305-1 | MW-1R | 172 | 113 | 117 | 130 | 128 | 48 | 109 | 128 |
| LCS 410-320870/2-A | Lab Control Sample | 114 | 111 | 112 | 114 | 115 | 83 | 110 | 112 |
| LCSD 410-320870/3-A | Lab Control Sample Dup | 131 | 113 | 117 | 115 | 113 | 92 | 116 | 112 |
| MB 410-320870/1-A | Method Blank | 122 | 111 | 113 | 109 | 114 | 85 | 113 | 113 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | |
|---------------------|------------------------|---|---------------------|----------------------|---------------------|-------------------|--------------------|--------------------|
| Lab Sample ID | Client Sample ID | C6PFDA (49-163) | 13C7PUA (34-174) | d3NMFSFA (10-155) | d5NPFSA (10-159) | PFOSA (10-168) | PFDODA (17-176) | C9PFNA (51-167) |
| 620-8305-1 | MW-1R | 112 | 111 | 71 | 57 | 96 | 99 | 126 |
| LCS 410-320870/2-A | Lab Control Sample | 111 | 109 | 71 | 72 | 83 | 115 | 110 |
| LCSD 410-320870/3-A | Lab Control Sample Dup | 112 | 115 | 74 | 80 | 89 | 116 | 115 |
| MB 410-320870/1-A | Method Blank | 104 | 105 | 70 | 77 | 82 | 103 | 115 |

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
- d3NMFOFOS = d3-NMeFOSAA
- d5NEFOFOS = d5-NEtFOSAA
- NEFM = d9-N-EtFOSE-M
- C3PFHS = 13C3 PFHxS
- 13C5PHA = 13C5 PFHxA
- C6PFDA = 13C6 PFDA
- 13C7PUA = 13C7 PFUnA
- d3NMFSFA = 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: 620-8305-2

Method: 537 IDA - EPA 537 Isotope Dilution

Lab Sample ID: MB 410-320870/1-A
Matrix: Water
Analysis Batch: 324534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 320870

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-----------|--------------|------|------|---|----------------|----------------|---------|
| NEtFOSAA | ND | | 3.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| NMeFOSAA | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorobutanesulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorobutanoic acid | ND | | 5.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorodecanesulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorodecanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorododecanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluoroheptanesulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluoroheptanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorohexanesulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorohexanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorononanesulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorononanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorooctanesulfonamide | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorooctanesulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorooctanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluoropentanesulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluoropentanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorotetradecanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluorotridecanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| Perfluoroundecanoic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 6:2 Fluorotelomer sulfonic acid | ND | | 5.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 8:2 Fluorotelomer sulfonic acid | ND | | 3.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 4:2 Fluorotelomer sulfonic acid | ND | | 2.00 | ng/L | | 11/25/22 14:52 | 12/07/22 14:13 | 1 |

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|--------------|--------------|----------|----------------|----------------|---------|
| M2-4:2 FTS | 126 | | 10 - 200 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| M2-6:2 FTS | 110 | | 17 - 200 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| M2-8:2 FTS | 106 | | 33 - 200 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C2 PFTeDA | 90 | | 10 - 179 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C3 HFPO-DA | 85 | | 17 - 185 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C3 PFBS | 105 | | 16 - 200 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C4 PFBA | 108 | | 42 - 165 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C4 PFHpA | 119 | | 31 - 182 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C5 PFPeA | 122 | | 38 - 187 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C8 PFOA | 111 | | 48 - 162 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C8 PFOS | 113 | | 51 - 159 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| d3-NMeFOSAA | 109 | | 31 - 174 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| d5-NEtFOSAA | 114 | | 29 - 195 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| d9-N-EtFOSE-M | 85 | | 10 - 177 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C3 PFHxS | 113 | | 28 - 188 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C5 PFHxA | 113 | | 24 - 179 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C6 PFDA | 104 | | 49 - 163 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C7 PFUnA | 105 | | 34 - 174 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| d3-NMePFOSA | 70 | | 10 - 155 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| d5-NEtPFOSA | 77 | | 10 - 159 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C8 FOSA | 82 | | 10 - 168 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |
| 13C2-PFDoDA | 103 | | 17 - 176 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-2

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

Lab Sample ID: MB 410-320870/1-A
Matrix: Water
Analysis Batch: 324534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 320870

| Isotope Dilution | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 13C9 PFNA | 115 | | 51 - 167 | 11/25/22 14:52 | 12/07/22 14:13 | 1 |

Lab Sample ID: LCS 410-320870/2-A
Matrix: Water
Analysis Batch: 324534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 320870

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------------------------|-------------|------------|---------------|------|---|------|----------|
| | | | | | | | |
| NEtFOSAA | 25.6 | 24.65 | | ng/L | | 96 | 55 - 134 |
| NMeFOSAA | 25.6 | 24.49 | | ng/L | | 96 | 59 - 140 |
| Perfluorobutanesulfonic acid | 22.7 | 23.99 | | ng/L | | 106 | 53 - 138 |
| Perfluorobutanoic acid | 25.6 | 24.16 | | ng/L | | 94 | 59 - 136 |
| Perfluorodecanesulfonic acid | 24.7 | 21.89 | | ng/L | | 89 | 55 - 137 |
| Perfluorodecanoic acid | 25.6 | 25.72 | | ng/L | | 100 | 56 - 138 |
| Perfluorododecanoic acid | 25.6 | 25.32 | | ng/L | | 99 | 59 - 143 |
| Perfluoroheptanesulfonic acid | 24.4 | 21.91 | | ng/L | | 90 | 56 - 140 |
| Perfluoroheptanoic acid | 25.6 | 26.62 | | ng/L | | 104 | 59 - 145 |
| Perfluorohexanesulfonic acid | 23.3 | 22.83 | | ng/L | | 98 | 58 - 134 |
| Perfluorohexanoic acid | 25.6 | 25.78 | | ng/L | | 101 | 58 - 139 |
| Perfluorononanesulfonic acid | 24.6 | 22.39 | | ng/L | | 91 | 59 - 136 |
| Perfluorononanoic acid | 25.6 | 25.38 | | ng/L | | 99 | 61 - 139 |
| Perfluorooctanesulfonamide | 25.6 | 26.27 | | ng/L | | 103 | 43 - 167 |
| Perfluorooctanesulfonic acid | 23.7 | 24.48 | | ng/L | | 103 | 45 - 150 |
| Perfluorooctanoic acid | 25.6 | 24.79 | | ng/L | | 97 | 51 - 145 |
| Perfluoropentanesulfonic acid | 24.0 | 24.91 | | ng/L | | 104 | 55 - 140 |
| Perfluoropentanoic acid | 25.6 | 25.19 | | ng/L | | 98 | 57 - 141 |
| Perfluorotetradecanoic acid | 25.6 | 25.95 | | ng/L | | 101 | 62 - 139 |
| Perfluorotridecanoic acid | 25.6 | 20.97 | | ng/L | | 82 | 58 - 146 |
| Perfluoroundecanoic acid | 25.6 | 23.11 | | ng/L | | 90 | 60 - 141 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 24.70 | | ng/L | | 102 | 28 - 173 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 24.52 | | ng/L | | 100 | 55 - 138 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 25.22 | | ng/L | | 105 | 55 - 139 |

| Isotope Dilution | LCS LCS | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| M2-4:2 FTS | 122 | | 10 - 200 |
| M2-6:2 FTS | 111 | | 17 - 200 |
| M2-8:2 FTS | 109 | | 33 - 200 |
| 13C2 PFTeDA | 94 | | 10 - 179 |
| 13C3 HFPO-DA | 73 | | 17 - 185 |
| 13C3 PFBS | 107 | | 16 - 200 |
| 13C4 PFBA | 108 | | 42 - 165 |
| 13C4 PFHpA | 110 | | 31 - 182 |
| 13C5 PFPeA | 114 | | 38 - 187 |
| 13C8 PFOA | 111 | | 48 - 162 |
| 13C8 PFOS | 112 | | 51 - 159 |
| d3-NMeFOSAA | 114 | | 31 - 174 |
| d5-NEtFOSAA | 115 | | 29 - 195 |
| d9-N-EtFOSE-M | 83 | | 10 - 177 |
| 13C3 PFHxS | 110 | | 28 - 188 |
| 13C5 PFHxA | 112 | | 24 - 179 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-2

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

Lab Sample ID: LCS 410-320870/2-A
Matrix: Water
Analysis Batch: 324534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 320870

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|-------------------------|------------------|------------------|---------------|
| 13C6 PFDA | 111 | | 49 - 163 |
| 13C7 PFUnA | 109 | | 34 - 174 |
| d3-NMePFOSA | 71 | | 10 - 155 |
| d5-NEtPFOSA | 72 | | 10 - 159 |
| 13C8 FOSA | 83 | | 10 - 168 |
| 13C2-PFDoDA | 115 | | 17 - 176 |
| 13C9 PFNA | 110 | | 51 - 167 |

Lab Sample ID: LCSD 410-320870/3-A
Matrix: Water
Analysis Batch: 324534

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 320870

| <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 | 25.12 | | ng/L | | 98 | 55 - 134 | 2 | 30 |
| NMeFOSAA | 25.6 | 26.03 | | ng/L | | 102 | 59 - 140 | 6 | 30 |
| Perfluorobutanesulfonic acid | 22.7 | 23.91 | | ng/L | | 106 | 53 - 138 | 0 | 30 |
| Perfluorobutanoic acid | 25.6 | 23.74 | | ng/L | | 93 | 59 - 136 | 2 | 30 |
| Perfluorodecanesulfonic acid | 24.7 | 22.70 | | ng/L | | 92 | 55 - 137 | 4 | 30 |
| Perfluorodecanoic acid | 25.6 | 28.16 | | ng/L | | 110 | 56 - 138 | 9 | 30 |
| Perfluorododecanoic acid | 25.6 | 25.54 | | ng/L | | 100 | 59 - 143 | 1 | 30 |
| Perfluoroheptanesulfonic acid | 24.4 | 20.88 | | ng/L | | 86 | 56 - 140 | 5 | 30 |
| Perfluoroheptanoic acid | 25.6 | 24.92 | | ng/L | | 97 | 59 - 145 | 7 | 30 |
| Perfluorohexanesulfonic acid | 23.3 | 21.19 | | ng/L | | 91 | 58 - 134 | 7 | 30 |
| Perfluorohexanoic acid | 25.6 | 26.67 | | ng/L | | 104 | 58 - 139 | 3 | 30 |
| Perfluorononanesulfonic acid | 24.6 | 21.84 | | ng/L | | 89 | 59 - 136 | 2 | 30 |
| Perfluorononanoic acid | 25.6 | 25.36 | | ng/L | | 99 | 61 - 139 | 0 | 30 |
| Perfluorooctanesulfonamide | 25.6 | 26.10 | | ng/L | | 102 | 43 - 167 | 1 | 30 |
| Perfluorooctanesulfonic acid | 23.7 | 22.30 | | ng/L | | 94 | 45 - 150 | 9 | 30 |
| Perfluorooctanoic acid | 25.6 | 25.50 | | ng/L | | 100 | 51 - 145 | 3 | 30 |
| Perfluoropentanesulfonic acid | 24.0 | 25.29 | | ng/L | | 105 | 55 - 140 | 2 | 30 |
| Perfluoropentanoic acid | 25.6 | 22.85 | | ng/L | | 89 | 57 - 141 | 10 | 30 |
| Perfluorotetradecanoic acid | 25.6 | 28.34 | | ng/L | | 111 | 62 - 139 | 9 | 30 |
| Perfluorotridecanoic acid | 25.6 | 24.02 | | ng/L | | 94 | 58 - 146 | 14 | 30 |
| Perfluoroundecanoic acid | 25.6 | 23.84 | | ng/L | | 93 | 60 - 141 | 3 | 30 |
| 6:2 Fluorotelomer sulfonic acid | 24.3 | 23.81 | | ng/L | | 98 | 28 - 173 | 4 | 30 |
| 8:2 Fluorotelomer sulfonic acid | 24.5 | 23.51 | | ng/L | | 96 | 55 - 138 | 4 | 30 |
| 4:2 Fluorotelomer sulfonic acid | 23.9 | 23.85 | | ng/L | | 100 | 55 - 139 | 6 | 30 |

| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|-------------------------|------------------|------------------|---------------|
| M2-4:2 FTS | 134 | | 10 - 200 |
| M2-6:2 FTS | 114 | | 17 - 200 |
| M2-8:2 FTS | 118 | | 33 - 200 |
| 13C2 PFTeDA | 102 | | 10 - 179 |
| 13C3 HFPO-DA | 80 | | 17 - 185 |
| 13C3 PFBS | 111 | | 16 - 200 |
| 13C4 PFBA | 115 | | 42 - 165 |
| 13C4 PFHpA | 118 | | 31 - 182 |
| 13C5 PFPeA | 131 | | 38 - 187 |
| 13C8 PFOA | 113 | | 48 - 162 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8305-2

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

Lab Sample ID: LCSD 410-320870/3-A
 Matrix: Water
 Analysis Batch: 324534

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 320870

| Isotope Dilution | LCSD LCSD | | Limits |
|------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 13C8 PFOS | 117 | | 51 - 159 |
| d3-NMeFOSAA | 115 | | 31 - 174 |
| d5-NEtFOSAA | 113 | | 29 - 195 |
| d9-N-EtFOSE-M | 92 | | 10 - 177 |
| 13C3 PFHxS | 116 | | 28 - 188 |
| 13C5 PFHxA | 112 | | 24 - 179 |
| 13C6 PFDA | 112 | | 49 - 163 |
| 13C7 PFUnA | 115 | | 34 - 174 |
| d3-NMePFOSA | 74 | | 10 - 155 |
| d5-NEtPFOSA | 80 | | 10 - 159 |
| 13C8 FOSA | 89 | | 10 - 168 |
| 13C2-PFDoDA | 116 | | 17 - 176 |
| 13C9 PFNA | 115 | | 51 - 167 |

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QC Association Summary

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

Job ID: 620-8305-2

LCMS

Prep Batch: 320870

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 537 IDA | |
| MB 410-320870/1-A | Method Blank | Total/NA | Water | 537 IDA | |
| LCS 410-320870/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | |
| LCSD 410-320870/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | |

Analysis Batch: 324534

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 620-8305-1 | MW-1R | Total/NA | Water | 537 IDA | 320870 |
| MB 410-320870/1-A | Method Blank | Total/NA | Water | 537 IDA | 320870 |
| LCS 410-320870/2-A | Lab Control Sample | Total/NA | Water | 537 IDA | 320870 |
| LCSD 410-320870/3-A | Lab Control Sample Dup | Total/NA | Water | 537 IDA | 320870 |

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Lab Chronicle

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

Job ID: 620-8305-2

Client Sample ID: MW-1R

Date Collected: 11/11/22 19:00

Date Received: 11/15/22 09:17

Lab Sample ID: 620-8305-1

Matrix: Water

| <u>Prep Type</u> | <u>Batch Type</u> | <u>Batch Method</u> | <u>Run</u> | <u>Dilution Factor</u> | <u>Batch Number</u> | <u>Analyst</u> | <u>Lab</u> | <u>Prepared or Analyzed</u> |
|------------------|-------------------|---------------------|------------|------------------------|---------------------|----------------|------------|-----------------------------|
| Total/NA | Prep | 537 IDA | | | 320870 | JU9U | ELLE | 11/25/22 14:52 |
| Total/NA | Analysis | 537 IDA | | 1 | 324534 | MT26 | ELLE | 12/07/22 18:06 |

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 620-8305-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|---------------------------------|
| 537 IDA | 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 |
| 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: 620-8305-2

| Method | Method Description | Protocol | Laboratory |
|---------|--------------------------|----------|------------|
| 537 IDA | EPA 537 Isotope Dilution | EPA | ELLE |
| 537 IDA | EPA 537 Isotope Dilution | EPA | ELLE |

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

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Sample Summary

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

Job ID: 620-8305-2

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 620-8305-1 | MW-1R | Water | 11/11/22 19:00 | 11/15/22 09:17 |

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Part # 159489-434 MTW EXP 01/23

ORIGIN ID:BTVA (802) 860-1990
 SAMPLE RECEIVING
 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

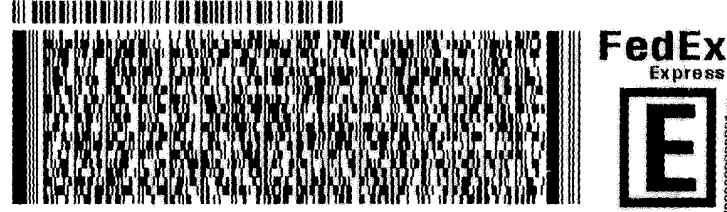
SHIP DATE: 14NOV22
 ACTWGT: 32.45 LB MAN
 CAD: 000890364/CAFE3616

BILL RECIPIENT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

REF: INU: PO: DEPT:



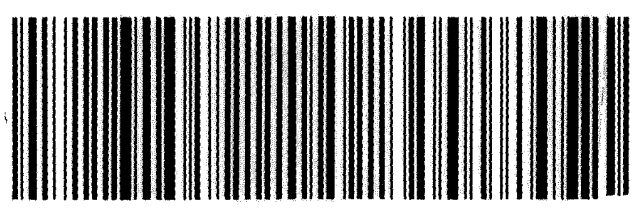
FedEx Express logo with a large 'E' in a square. Below the logo is the text 'JP220220220222'.

TRK# 6152 8537 3383
 0201

TUE - 15 NOV 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
RI-US PVD



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-8305-2

Login Number: 8305

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: 620-8305-2

Login Number: 8305

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 11/16/22 12:55 PM

Creator: Ballard, Megan

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



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/1/2022 9:50:35 AM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

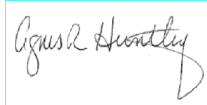
620-8454-1

Eurofins New England

Job Notes

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

Authorization



Generated
12/1/2022 9:50:35 AM

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



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Definitions/Glossary

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

Job ID: 620-8454-1

Glossary

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

Case Narrative

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

Job ID: 620-8454-1

Job ID: 620-8454-1

Laboratory: Eurofins New England

Narrative

**Job Narrative
620-8454-1**

Comments

No additional comments.

Receipt

The sample was received on 11/22/2022 12:41 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2° C.

Receipt Exceptions

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 524.2: Volatile compounds have been detected above the RL for the following sample: 152 Forest Edge - EFF (620-8454-1). 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.

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Detection Summary

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

Job ID: 620-8454-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8454-1

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-------|------|---------|---|--------|-----------|
| Methylene Chloride | 10.6 | | 0.500 | ug/L | 1 | | 524.2 | Total/NA |
| Tetrahydrofuran | 7.69 | | 7.00 | ug/L | 1 | | 524.2 | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins New England

Client Sample Results

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

Job ID: 620-8454-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8454-1

Date Collected: 11/17/22 10:19

Matrix: Drinking Water

Date Received: 11/22/22 12:41

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 11/29/22 10:39 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 11/29/22 10:39 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 11/29/22 10:39 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/29/22 10:39 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 11/29/22 10:39 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/29/22 10:39 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-8454-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8454-1

Date Collected: 11/17/22 10:19

Matrix: Drinking Water

Date Received: 11/22/22 12:41

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 11/29/22 10:39 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Methylene Chloride | 10.6 | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 11/29/22 10:39 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Tetrahydrofuran | 7.69 | | 7.00 | ug/L | | | 11/29/22 10:39 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/29/22 10:39 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 105 | | 80 - 120 | | 11/29/22 10:39 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 80 - 120 | | 11/29/22 10:39 | 1 |

Surrogate Summary

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

Job ID: 620-8454-1

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCZ | BFB |
|------------------|-----------------------|----------|----------|
| | | (80-120) | (80-120) |
| 620-8454-1 | 152 Forest Edge - EFF | 105 | 91 |
| LCS 410-321490/5 | Lab Control Sample | 107 | 107 |
| MB 410-321490/7 | Method Blank | 99 | 93 |

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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QC Sample Results

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

Job ID: 620-8454-1

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

Lab Sample ID: MB 410-321490/7
 Matrix: Drinking Water
 Analysis Batch: 321490

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 | | | 11/29/22 09:31 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 11/29/22 09:31 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 11/29/22 09:31 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 11/29/22 09:31 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 11/29/22 09:31 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 11/29/22 09:31 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 11/29/22 09:31 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| cis-1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8454-1

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

Lab Sample ID: MB 410-321490/7
Matrix: Drinking Water
Analysis Batch: 321490

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 | | | 11/29/22 09:31 | 1 |
| Freon 113 | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 11/29/22 09:31 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 11/29/22 09:31 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 11/29/22 09:31 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 11/29/22 09:31 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 99 | | 80 - 120 | | 11/29/22 09:31 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 80 - 120 | | 11/29/22 09:31 | 1 |

Lab Sample ID: LCS 410-321490/5
Matrix: Drinking Water
Analysis Batch: 321490

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 | 5.590 | | ug/L | | 112 | 70 - 130 |
| 1,1,1-Trichloroethane | 5.00 | 5.013 | | ug/L | | 100 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 5.075 | | ug/L | | 101 | 70 - 130 |
| 1,1,2-Trichloroethane | 5.00 | 4.979 | | ug/L | | 100 | 70 - 130 |
| 1,1-Dichloroethane | 5.00 | 4.645 | | ug/L | | 93 | 70 - 130 |
| 1,1-Dichloroethene | 5.00 | 4.927 | | ug/L | | 99 | 70 - 130 |
| 1,1-Dichloropropene | 5.00 | 5.005 | | ug/L | | 100 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 5.00 | 5.573 | | ug/L | | 111 | 70 - 130 |
| 1,2,3-Trichloropropane | 5.00 | 5.068 | | ug/L | | 101 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 5.00 | 5.433 | | ug/L | | 109 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 5.00 | 5.217 | | ug/L | | 104 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 5.480 | | ug/L | | 110 | 70 - 130 |
| 1,2-Dibromoethane | 5.00 | 5.062 | | ug/L | | 101 | 70 - 130 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8454-1

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

Lab Sample ID: LCS 410-321490/5

Matrix: Drinking Water

Analysis Batch: 321490

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 | 5.241 | | ug/L | | 105 | 70 - 130 |
| 1,2-Dichloroethane | 5.00 | 5.120 | | ug/L | | 102 | 70 - 130 |
| 1,2-Dichloropropane | 5.00 | 4.932 | | ug/L | | 99 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 5.00 | 5.125 | | ug/L | | 102 | 70 - 130 |
| 1,3-Dichlorobenzene | 5.00 | 5.192 | | ug/L | | 104 | 70 - 130 |
| 1,3-Dichloropropane | 5.00 | 5.015 | | ug/L | | 100 | 70 - 130 |
| 1,4-Dichlorobenzene | 5.00 | 5.330 | | ug/L | | 107 | 70 - 130 |
| 2,2-Dichloropropane | 5.00 | 4.925 | | ug/L | | 99 | 70 - 130 |
| 2-Butanone | 62.5 | 64.62 | | ug/L | | 103 | 70 - 130 |
| 2-Chlorotoluene | 5.00 | 5.184 | | ug/L | | 104 | 70 - 130 |
| 2-Hexanone | 62.5 | 60.96 | | ug/L | | 98 | 70 - 130 |
| 4-Chlorotoluene | 5.00 | 5.358 | | ug/L | | 107 | 70 - 130 |
| 4-Methyl-2-pentanone | 62.5 | 61.78 | | ug/L | | 99 | 70 - 130 |
| Acetone | 62.5 | 62.44 | | ug/L | | 100 | 70 - 130 |
| Acrylonitrile | 113 | 102.8 | | ug/L | | 91 | 70 - 130 |
| Benzene | 5.00 | 5.016 | | ug/L | | 100 | 70 - 130 |
| Bromobenzene | 5.00 | 5.434 | | ug/L | | 109 | 70 - 130 |
| Bromochloromethane | 5.00 | 5.432 | | ug/L | | 109 | 70 - 130 |
| Bromodichloromethane | 5.00 | 5.316 | | ug/L | | 106 | 70 - 130 |
| Bromoform | 5.00 | 6.039 | | ug/L | | 121 | 70 - 130 |
| Bromomethane | 2.00 | 1.938 | | ug/L | | 97 | 70 - 130 |
| Carbon disulfide | 5.00 | 5.304 | | ug/L | | 106 | 70 - 130 |
| Carbon tetrachloride | 5.00 | 5.286 | | ug/L | | 106 | 70 - 130 |
| Chlorobenzene | 5.00 | 5.253 | | ug/L | | 105 | 70 - 130 |
| Chloroethane | 2.00 | 1.955 | | ug/L | | 98 | 70 - 130 |
| Chloroform | 5.00 | 4.950 | | ug/L | | 99 | 70 - 130 |
| Chloromethane | 2.00 | 1.864 | | ug/L | | 93 | 70 - 130 |
| cis-1,2-Dichloroethene | 5.00 | 4.938 | | ug/L | | 99 | 70 - 130 |
| cis-1,3-Dichloropropene | 5.00 | 5.233 | | ug/L | | 105 | 70 - 130 |
| Dibromochloromethane | 5.00 | 5.749 | | ug/L | | 115 | 70 - 130 |
| Dibromomethane | 5.00 | 5.167 | | ug/L | | 103 | 70 - 130 |
| Dichlorodifluoromethane | 2.00 | 1.897 | | ug/L | | 95 | 70 - 130 |
| di-Isopropyl ether | 5.00 | 4.942 | | ug/L | | 99 | 70 - 130 |
| Ethyl ether | 5.00 | 4.045 | | ug/L | | 81 | 70 - 130 |
| Ethyl t-butyl ether | 5.00 | 4.758 | | ug/L | | 95 | 70 - 130 |
| Ethylbenzene | 5.00 | 5.167 | | ug/L | | 103 | 70 - 130 |
| Freon 113 | 5.00 | 5.195 | | ug/L | | 104 | 70 - 130 |
| Hexachlorobutadiene | 5.00 | 5.679 | | ug/L | | 114 | 70 - 130 |
| Isopropylbenzene | 5.00 | 5.234 | | ug/L | | 105 | 70 - 130 |
| m&p-Xylene | 10.0 | 10.52 | | ug/L | | 105 | 70 - 130 |
| Methyl tertiary butyl ether | 5.00 | 4.790 | | ug/L | | 96 | 70 - 130 |
| Methylene Chloride | 5.00 | 4.863 | | ug/L | | 97 | 70 - 130 |
| Naphthalene | 5.00 | 5.001 | | ug/L | | 100 | 70 - 130 |
| n-Butylbenzene | 5.00 | 5.046 | | ug/L | | 101 | 70 - 130 |
| N-Propylbenzene | 5.00 | 5.122 | | ug/L | | 102 | 70 - 130 |
| o-Xylene | 5.00 | 5.070 | | ug/L | | 101 | 70 - 130 |
| p-Isopropyltoluene | 5.00 | 5.341 | | ug/L | | 107 | 70 - 130 |
| sec-Butylbenzene | 5.00 | 5.306 | | ug/L | | 106 | 70 - 130 |
| Styrene | 5.00 | 5.285 | | ug/L | | 106 | 70 - 130 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8454-1

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

Lab Sample ID: LCS 410-321490/5
Matrix: Drinking Water
Analysis Batch: 321490

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 | 4.610 | | ug/L | | 92 | 70 - 130 | |
| t-Butyl alcohol | 50.0 | 53.64 | | ug/L | | 107 | 70 - 130 | |
| tert-Butylbenzene | 5.00 | 5.269 | | ug/L | | 105 | 70 - 130 | |
| Tetrachloroethene | 5.00 | 5.281 | | ug/L | | 106 | 70 - 130 | |
| Tetrahydrofuran | 46.9 | 44.12 | | ug/L | | 94 | 70 - 130 | |
| Toluene | 5.00 | 5.024 | | ug/L | | 100 | 70 - 130 | |
| trans-1,2-Dichloroethene | 5.00 | 4.730 | | ug/L | | 95 | 70 - 130 | |
| Trichloroethene | 5.00 | 4.856 | | ug/L | | 97 | 70 - 130 | |
| Trichlorofluoromethane | 2.00 | 1.861 | | ug/L | | 93 | 70 - 130 | |
| Vinyl chloride | 2.00 | 1.938 | | ug/L | | 97 | 70 - 130 | |
| trans-1,3-Dichloropropene | 5.00 | 5.320 | | ug/L | | 106 | 70 - 130 | |
| Surrogate | | | | | | | | |
| | %Recovery | LCS Qualifier | | | | | | Limits |
| 1,2-Dichlorobenzene-d4 (Surr) | 107 | | | | | | | 80 - 120 |
| 4-Bromofluorobenzene (Surr) | 107 | | | | | | | 80 - 120 |

QC Association Summary

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

Job ID: 620-8454-1

GC/MS VOA

Analysis Batch: 321490

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|-----------------------|-----------|----------------|--------|------------|
| 620-8454-1 | 152 Forest Edge - EFF | Total/NA | Drinking Water | 524.2 | |
| MB 410-321490/7 | Method Blank | Total/NA | Drinking Water | 524.2 | |
| LCS 410-321490/5 | Lab Control Sample | Total/NA | Drinking Water | 524.2 | |

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Lab Chronicle

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

Job ID: 620-8454-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8454-1

Date Collected: 11/17/22 10:19

Matrix: Drinking Water

Date Received: 11/22/22 12:41

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA | Analysis | 524.2 | | 1 | 321490 | UJML | ELLE | 11/29/22 10:39 |

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 620-8454-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|----------------|-----------------------------|
| 524.2 | | Drinking Water | 1,2-Dibromo-3-Chloropropane |
| 524.2 | | Drinking Water | 1,2-Dibromoethane |
| 524.2 | | Drinking Water | 2-Butanone |
| 524.2 | | Drinking Water | 2-Hexanone |
| 524.2 | | Drinking Water | 4-Methyl-2-pentanone |
| 524.2 | | Drinking Water | Acetone |
| 524.2 | | Drinking Water | Acrylonitrile |
| 524.2 | | Drinking Water | Carbon disulfide |
| 524.2 | | Drinking Water | di-Isopropyl ether |
| 524.2 | | Drinking Water | Ethyl ether |
| 524.2 | | Drinking Water | Ethyl t-butyl ether |
| 524.2 | | Drinking Water | Freon 113 |
| 524.2 | | Drinking Water | m&p-Xylene |
| 524.2 | | Drinking Water | o-Xylene |
| 524.2 | | Drinking Water | t-Amyl methyl ether |
| 524.2 | | Drinking Water | t-Butyl alcohol |
| 524.2 | | Drinking Water | Tetrahydrofuran |



Method Summary

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

Job ID: 620-8454-1

| Method | Method Description | Protocol | Laboratory |
|--------|------------------------------------|----------|------------|
| 524.2 | Volatile Organic Compounds (GC/MS) | EPA-DW | ELLE |

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

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



Sample Summary

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

Job ID: 620-8454-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-----------------------|----------------|----------------|----------------|
| 620-8454-1 | 152 Forest Edge - EFF | Drinking Water | 11/17/22 10:19 | 11/22/22 12:41 |

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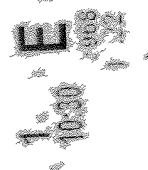
13

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RT # 159469-434 NTE



330

5775C/F4BR/43

ORIGIN ID:BTVA (802) 660-1990
 SAMPLE RECEIVING
 TEST AMERICA
 30 COMMUNITY DRIVE
 SUITE 11
 BURLINGTON, VT 05401
 UNITED STATES US

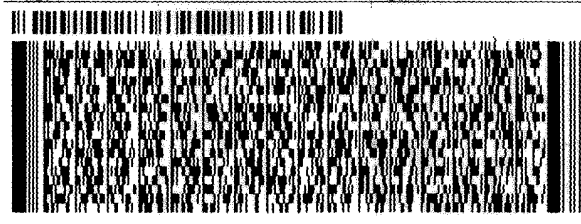
SHIP DATE: 21NOV22
 ACTWGT: 15.20 LB M
 CAD: 000890364/CAFI

BILL RECEIPT

TO **SAMPLE RECEIVING**
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN RI 02852

INV: REF: DEPT:
 PO:

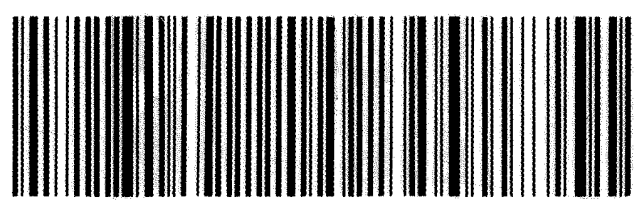


TRK# 6152 8537 3968
 0201

TUE - 22 NOV 10:30A
PRIORITY OVERNIGHT

XE NCOA

02852
RI-US PVD



Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-8454-1

Login Number: 8454

List Source: Eurofins New England

List Number: 1

Creator: Huntley, Agnes R

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

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-8454-1

Login Number: 8454

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 11/23/22 11:58 AM

Creator: McBeth, Jessica

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



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/22/2022 10:58:10 AM

JOB DESCRIPTION

Town of Hinesburg Landfill - Hinesburg,

JOB NUMBER

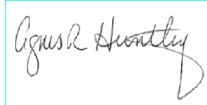
620-8919-1

Eurofins New England

Job Notes

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

Authorization



Generated
12/22/2022 10:58:10 AM

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



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Definitions/Glossary

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

Job ID: 620-8919-1

Glossary

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

Case Narrative

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

Job ID: 620-8919-1

Job ID: 620-8919-1

Laboratory: Eurofins New England

Narrative

**Job Narrative
620-8919-1**

Receipt

The sample was received on 12/16/2022 10:20 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2° C.

GC/MS VOA

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

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Detection Summary

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

Job ID: 620-8919-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8919-1

No Detections.

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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: 620-8919-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8919-1

Date Collected: 12/15/22 10:07

Matrix: Drinking Water

Date Received: 12/16/22 10:00

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 12/19/22 11:54 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 12/19/22 11:54 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 12/19/22 11:54 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 12/19/22 11:54 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 12/19/22 11:54 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 12/19/22 11:54 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Ethylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |

Eurofins New England

Client Sample Results

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

Job ID: 620-8919-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8919-1

Date Collected: 12/15/22 10:07

Matrix: Drinking Water

Date Received: 12/16/22 10:00

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-------|------|---|----------|----------------|---------|
| Freon 113 | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 12/19/22 11:54 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 12/19/22 11:54 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 12/19/22 11:54 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 12/19/22 11:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 98 | | 80 - 120 | | 12/19/22 11:54 | 1 |
| 4-Bromofluorobenzene (Surr) | 86 | | 80 - 120 | | 12/19/22 11:54 | 1 |

Surrogate Summary

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

Job ID: 620-8919-1

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | DCZ | BFB |
|------------------|-----------------------|----------|----------|
| | | (80-120) | (80-120) |
| 620-8919-1 | 152 Forest Edge - EFF | 98 | 86 |
| LCS 410-328426/5 | Lab Control Sample | 107 | 107 |
| MB 410-328426/7 | Method Blank | 96 | 83 |

Surrogate Legend

DCZ = 1,2-Dichlorobenzene-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

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

Job ID: 620-8919-1

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

Lab Sample ID: MB 410-328426/7
 Matrix: Drinking Water
 Analysis Batch: 328426

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

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,1,1-Trichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,1,2,2-Tetrachloroethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,1,2-Trichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,1-Dichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,1-Dichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,1-Dichloropropene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2,3-Trichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2,3-Trichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2,4-Trichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2,4-Trimethylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2-Dibromo-3-Chloropropane | ND | | 1.00 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2-Dibromoethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2-Dichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2-Dichloroethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,2-Dichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,3,5-Trimethylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,3-Dichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,3-Dichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 1,4-Dichlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 2,2-Dichloropropane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 2-Butanone | ND | | 5.00 | ug/L | | | 12/19/22 10:42 | 1 |
| 2-Chlorotoluene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 2-Hexanone | ND | | 5.00 | ug/L | | | 12/19/22 10:42 | 1 |
| 4-Chlorotoluene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| 4-Methyl-2-pentanone | ND | | 5.00 | ug/L | | | 12/19/22 10:42 | 1 |
| Acetone | ND | | 10.0 | ug/L | | | 12/19/22 10:42 | 1 |
| Acrylonitrile | ND | | 10.0 | ug/L | | | 12/19/22 10:42 | 1 |
| Benzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Bromobenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Bromochloromethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Bromodichloromethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Bromoform | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Bromomethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Carbon disulfide | ND | | 2.00 | ug/L | | | 12/19/22 10:42 | 1 |
| Carbon tetrachloride | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Chlorobenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Chloroethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Chloroform | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Chloromethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| cis-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| cis-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Dibromochloromethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Dibromomethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Dichlorodifluoromethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| di-Isopropyl ether | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Ethyl ether | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Ethyl t-butyl ether | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8919-1

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

Lab Sample ID: MB 410-328426/7
Matrix: Drinking Water
Analysis Batch: 328426

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

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|-------|------|---|----------|----------------|---------|
| Ethylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Freon 113 | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Hexachlorobutadiene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Isopropylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| m&p-Xylene | ND | | 1.00 | ug/L | | | 12/19/22 10:42 | 1 |
| Methyl tertiary butyl ether | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Methylene Chloride | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Naphthalene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| n-Butylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| N-Propylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| o-Xylene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| p-Isopropyltoluene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| sec-Butylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Styrene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| t-Amyl methyl ether | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| t-Butyl alcohol | ND | | 25.0 | ug/L | | | 12/19/22 10:42 | 1 |
| tert-Butylbenzene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Tetrachloroethene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Tetrahydrofuran | ND | | 7.00 | ug/L | | | 12/19/22 10:42 | 1 |
| Toluene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| trans-1,2-Dichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Trichloroethene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Trichlorofluoromethane | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| Vinyl chloride | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |
| trans-1,3-Dichloropropene | ND | | 0.500 | ug/L | | | 12/19/22 10:42 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichlorobenzene-d4 (Surr) | 96 | | 80 - 120 | | 12/19/22 10:42 | 1 |
| 4-Bromofluorobenzene (Surr) | 83 | | 80 - 120 | | 12/19/22 10:42 | 1 |

Lab Sample ID: LCS 410-328426/5
Matrix: Drinking Water
Analysis Batch: 328426

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 | 5.603 | | ug/L | | 112 | 70 - 130 |
| 1,1,1-Trichloroethane | 5.00 | 4.966 | | ug/L | | 99 | 70 - 130 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 5.362 | | ug/L | | 107 | 70 - 130 |
| 1,1,2-Trichloroethane | 5.00 | 5.326 | | ug/L | | 107 | 70 - 130 |
| 1,1-Dichloroethane | 5.00 | 5.079 | | ug/L | | 102 | 70 - 130 |
| 1,1-Dichloroethene | 5.00 | 5.437 | | ug/L | | 109 | 70 - 130 |
| 1,1-Dichloropropene | 5.00 | 5.134 | | ug/L | | 103 | 70 - 130 |
| 1,2,3-Trichlorobenzene | 5.00 | 5.394 | | ug/L | | 108 | 70 - 130 |
| 1,2,3-Trichloropropane | 5.00 | 5.147 | | ug/L | | 103 | 70 - 130 |
| 1,2,4-Trichlorobenzene | 5.00 | 5.060 | | ug/L | | 101 | 70 - 130 |
| 1,2,4-Trimethylbenzene | 5.00 | 5.287 | | ug/L | | 106 | 70 - 130 |
| 1,2-Dibromo-3-Chloropropane | 5.00 | 5.313 | | ug/L | | 106 | 70 - 130 |
| 1,2-Dibromoethane | 5.00 | 5.254 | | ug/L | | 105 | 70 - 130 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8919-1

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

Lab Sample ID: LCS 410-328426/5
Matrix: Drinking Water
Analysis Batch: 328426

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 | 5.252 | | ug/L | | 105 | 70 - 130 |
| 1,2-Dichloroethane | 5.00 | 4.954 | | ug/L | | 99 | 70 - 130 |
| 1,2-Dichloropropane | 5.00 | 5.155 | | ug/L | | 103 | 70 - 130 |
| 1,3,5-Trimethylbenzene | 5.00 | 5.132 | | ug/L | | 103 | 70 - 130 |
| 1,3-Dichlorobenzene | 5.00 | 5.334 | | ug/L | | 107 | 70 - 130 |
| 1,3-Dichloropropane | 5.00 | 5.261 | | ug/L | | 105 | 70 - 130 |
| 1,4-Dichlorobenzene | 5.00 | 5.288 | | ug/L | | 106 | 70 - 130 |
| 2,2-Dichloropropane | 5.00 | 5.128 | | ug/L | | 103 | 70 - 130 |
| 2-Butanone | 62.5 | 61.58 | | ug/L | | 99 | 70 - 130 |
| 2-Chlorotoluene | 5.00 | 5.323 | | ug/L | | 106 | 70 - 130 |
| 2-Hexanone | 62.5 | 63.04 | | ug/L | | 101 | 70 - 130 |
| 4-Chlorotoluene | 5.00 | 5.487 | | ug/L | | 110 | 70 - 130 |
| 4-Methyl-2-pentanone | 62.5 | 65.47 | | ug/L | | 105 | 70 - 130 |
| Acetone | 62.5 | 51.80 | | ug/L | | 83 | 70 - 130 |
| Acrylonitrile | 113 | 103.4 | | ug/L | | 92 | 70 - 130 |
| Benzene | 5.00 | 5.186 | | ug/L | | 104 | 70 - 130 |
| Bromobenzene | 5.00 | 5.465 | | ug/L | | 109 | 70 - 130 |
| Bromochloromethane | 5.00 | 5.342 | | ug/L | | 107 | 70 - 130 |
| Bromodichloromethane | 5.00 | 5.380 | | ug/L | | 108 | 70 - 130 |
| Bromoform | 5.00 | 6.215 | | ug/L | | 124 | 70 - 130 |
| Bromomethane | 2.00 | 2.136 | | ug/L | | 107 | 70 - 130 |
| Carbon disulfide | 5.00 | 5.889 | | ug/L | | 118 | 70 - 130 |
| Carbon tetrachloride | 5.00 | 5.051 | | ug/L | | 101 | 70 - 130 |
| Chlorobenzene | 5.00 | 5.383 | | ug/L | | 108 | 70 - 130 |
| Chloroethane | 2.00 | 2.145 | | ug/L | | 107 | 70 - 130 |
| Chloroform | 5.00 | 5.096 | | ug/L | | 102 | 70 - 130 |
| Chloromethane | 2.00 | 2.022 | | ug/L | | 101 | 70 - 130 |
| cis-1,2-Dichloroethene | 5.00 | 5.423 | | ug/L | | 108 | 70 - 130 |
| cis-1,3-Dichloropropene | 5.00 | 5.406 | | ug/L | | 108 | 70 - 130 |
| Dibromochloromethane | 5.00 | 5.744 | | ug/L | | 115 | 70 - 130 |
| Dibromomethane | 5.00 | 5.301 | | ug/L | | 106 | 70 - 130 |
| Dichlorodifluoromethane | 2.00 | 1.857 | | ug/L | | 93 | 70 - 130 |
| di-Isopropyl ether | 5.00 | 5.187 | | ug/L | | 104 | 70 - 130 |
| Ethyl ether | 5.00 | 4.544 | | ug/L | | 91 | 70 - 130 |
| Ethyl t-butyl ether | 5.00 | 5.200 | | ug/L | | 104 | 70 - 130 |
| Ethylbenzene | 5.00 | 5.198 | | ug/L | | 104 | 70 - 130 |
| Freon 113 | 5.00 | 5.665 | | ug/L | | 113 | 70 - 130 |
| Hexachlorobutadiene | 5.00 | 5.494 | | ug/L | | 110 | 70 - 130 |
| Isopropylbenzene | 5.00 | 5.191 | | ug/L | | 104 | 70 - 130 |
| m&p-Xylene | 10.0 | 10.82 | | ug/L | | 108 | 70 - 130 |
| Methyl tertiary butyl ether | 5.00 | 5.123 | | ug/L | | 102 | 70 - 130 |
| Methylene Chloride | 5.00 | 5.335 | | ug/L | | 107 | 70 - 130 |
| Naphthalene | 5.00 | 4.735 | | ug/L | | 95 | 70 - 130 |
| n-Butylbenzene | 5.00 | 5.189 | | ug/L | | 104 | 70 - 130 |
| N-Propylbenzene | 5.00 | 5.140 | | ug/L | | 103 | 70 - 130 |
| o-Xylene | 5.00 | 5.047 | | ug/L | | 101 | 70 - 130 |
| p-Isopropyltoluene | 5.00 | 5.394 | | ug/L | | 108 | 70 - 130 |
| sec-Butylbenzene | 5.00 | 5.400 | | ug/L | | 108 | 70 - 130 |
| Styrene | 5.00 | 5.383 | | ug/L | | 108 | 70 - 130 |

Eurofins New England

QC Sample Results

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

Job ID: 620-8919-1

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

Lab Sample ID: LCS 410-328426/5
Matrix: Drinking Water
Analysis Batch: 328426

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 | 4.811 | | ug/L | | 96 | 70 - 130 |
| t-Butyl alcohol | 50.0 | 43.15 | | ug/L | | 86 | 70 - 130 |
| tert-Butylbenzene | 5.00 | 5.141 | | ug/L | | 103 | 70 - 130 |
| Tetrachloroethene | 5.00 | 5.217 | | ug/L | | 104 | 70 - 130 |
| Tetrahydrofuran | 46.9 | 42.29 | | ug/L | | 90 | 70 - 130 |
| Toluene | 5.00 | 5.259 | | ug/L | | 105 | 70 - 130 |
| trans-1,2-Dichloroethene | 5.00 | 5.230 | | ug/L | | 105 | 70 - 130 |
| Trichloroethene | 5.00 | 4.990 | | ug/L | | 100 | 70 - 130 |
| Trichlorofluoromethane | 2.00 | 1.853 | | ug/L | | 93 | 70 - 130 |
| Vinyl chloride | 2.00 | 2.043 | | ug/L | | 102 | 70 - 130 |
| trans-1,3-Dichloropropene | 5.00 | 5.422 | | ug/L | | 108 | 70 - 130 |

| Surrogate | LCS LCS | | Limits |
|-------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichlorobenzene-d4 (Surr) | 107 | | 80 - 120 |
| 4-Bromofluorobenzene (Surr) | 107 | | 80 - 120 |

QC Association Summary

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

Job ID: 620-8919-1

GC/MS VOA

Analysis Batch: 328426

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|-----------------------|-----------|----------------|--------|------------|
| 620-8919-1 | 152 Forest Edge - EFF | Total/NA | Drinking Water | 524.2 | |
| MB 410-328426/7 | Method Blank | Total/NA | Drinking Water | 524.2 | |
| LCS 410-328426/5 | Lab Control Sample | Total/NA | Drinking Water | 524.2 | |

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Lab Chronicle

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

Job ID: 620-8919-1

Client Sample ID: 152 Forest Edge - EFF

Lab Sample ID: 620-8919-1

Date Collected: 12/15/22 10:07

Matrix: Drinking Water

Date Received: 12/16/22 10:00

| <u>Prep Type</u> | <u>Batch Type</u> | <u>Batch Method</u> | <u>Run</u> | <u>Dilution Factor</u> | <u>Batch Number</u> | <u>Analyst</u> | <u>Lab</u> | <u>Prepared or Analyzed</u> |
|------------------|-------------------|---------------------|------------|------------------------|---------------------|----------------|------------|-----------------------------|
| Total/NA | Analysis | 524.2 | | 1 | 328426 | UJML | ELLE | 12/19/22 11:54 |

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 620-8919-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|----------------|-----------------------------|
| 524.2 | | Drinking Water | 1,2-Dibromo-3-Chloropropane |
| 524.2 | | Drinking Water | 1,2-Dibromoethane |
| 524.2 | | Drinking Water | 2-Butanone |
| 524.2 | | Drinking Water | 2-Hexanone |
| 524.2 | | Drinking Water | 4-Methyl-2-pentanone |
| 524.2 | | Drinking Water | Acetone |
| 524.2 | | Drinking Water | Acrylonitrile |
| 524.2 | | Drinking Water | Carbon disulfide |
| 524.2 | | Drinking Water | di-Isopropyl ether |
| 524.2 | | Drinking Water | Ethyl ether |
| 524.2 | | Drinking Water | Ethyl t-butyl ether |
| 524.2 | | Drinking Water | Freon 113 |
| 524.2 | | Drinking Water | m&p-Xylene |
| 524.2 | | Drinking Water | o-Xylene |
| 524.2 | | Drinking Water | t-Amyl methyl ether |
| 524.2 | | Drinking Water | t-Butyl alcohol |
| 524.2 | | Drinking Water | Tetrahydrofuran |

Method Summary

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

Job ID: 620-8919-1

| Method | Method Description | Protocol | Laboratory |
|--------|------------------------------------|----------|------------|
| 524.2 | Volatile Organic Compounds (GC/MS) | EPA-DW | ELLE |

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

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



Sample Summary

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

Job ID: 620-8919-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-----------------------|----------------|----------------|----------------|
| 620-8919-1 | 152 Forest Edge - EFF | Drinking Water | 12/15/22 10:07 | 12/16/22 10:00 |

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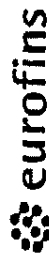
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Environment
New England

CHAIN OF CUSTODY RECORD

620-8919 Chain of Custody

Special Handling:
 Standard TAT - 7 to 10 business days
 Fresh TAT Date Needed: 3 day - by 12/21/22
 All TATs subject to laboratory approval
 Min. 24-hr notification needed for rustles
 Samples disposed after 30 days unless otherwise instructed.

Page 1 of 1

Report To: Stone Environmental INC
535 Stone Cutters Way
Montpelier VT 05602
 Telephone #: 802.249.6434
 Project Nbr: Katrina Matrix

Invoice To: Stone Accounting
 PO No. 20212005 Quote #:

Project No: 20212005
 Site Name: Hinesburg VT
 Location: Hinesburg State: VT
 Sampler(s): Katrina Matrix

1=No. S2O, 2=HCl 3=H2SO4 4=HNO3 5=NaOH 6=Ascorbic Acid 12=
 7=Cl3OH 8=NaISO, 9=Deionized Water 10=H2PO4
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Eurofins New England

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

Chain of Custody Record



eurofins Environment Testing

| | | | | | | | | | | | |
|--|--|-----------------------------------|-----------------------------|---|---|--|---------------------|----------------------------|--|--|--|
| Client Information (Sub Contract Lab) | | Sampler | | Lab PM Huntley, Agnes R | | Carrier Tracking No(s) | | COC No 620-7693.1 | | | |
| Client Contact Shipping/Receiving | | Phone: | | E-Mail Agnes.Huntley@et.eurofins.com | | State of Origin Vermont | | Page Page 1 of 1 | | | |
| Company Eurofins Lancaster Laboratories Environm | | | | Accreditations Required (See note) State - Vermont | | | | Job # 620-8919-1 | | | |
| Address 2425 New Holland Pike. | | Due Date Requested: 12/20/2022 | | 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 #: | | | | | | | | | |
| Phone 717-656-2300(Tel) | | WO #: | | | | | | | | | |
| Email: | | | | | | | | | | | |
| Project Name Town of Hinesburg Landfill - Hinesburg. | | Project # 62000809 | | Field Filtered Sample (Yes or No) | | Perform MS/MSD (Yes or No) | | Total Number of containers | | | |
| Site | | SSOW# | | 537.1_DW/537.1_DW_Prep DW EPA 537.1 List of 16 | | 524.2_Preserved/(MOD) Regulated + THW's | | | | | |
| Sample Identification - Client ID (Lab ID) | | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (Water, Solid, Waste, etc.) | Preservation Code | | | | Special Instructions/Note: | |
| 152 Forest Edge - EFF (620-8919-1) | | 12/15/22 | 10 07 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 our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC. | | | | | | | | | | | |
| Possible Hazard Identification | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | |
| Unconfirmed | | | | | | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | Primary Deliverable Rank: 2 | | | Special Instructions/QC Requirements | | | | | |
| Empty Kit Relinquished by: | | | Date: | | Time: | | Method of Shipment: | | | | |
| Relinquished by | | Date/Time | | Company | | Received by | | Date/Time | | Company | |
| Relinquished by | | Date/Time | | Company | | Received by | | Date/Time | | Company | |
| Relinquished by | | Date/Time | | Company | | Received by | | Date/Time | | Company | |
| Custody Seals Intact: Δ Yes Δ No | | Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks | | | | | | | |

Wickham
COC received 12/16/22 @ 15:43
12/22/2022

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Environment Testing
New England

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

Standard TAT - 7 to 10 business days
 Rush TAT - Date Needed: 3 day - by 12/21/22
 All TATs subject to laboratory approval
 Min. 24-hr notification needed for rushes
 Samples disposed after 30 days unless otherwise instructed.

| | | |
|---|---|---|
| Report To: <u>Stone Environmental Inc</u> <u>535 Stone Cutters Way</u> <u>Montpelier VT 05602</u> | Invoice To: <u>Stone Accounting</u> | Project No: <u>20211205</u> |
| Telephone #: <u>802.229.6434</u> | | Site Name: <u>Hinesburg LF</u> |
| Project Mgr: <u>Katrina Muthice</u> | P.O. No. <u>20211205</u> Quote #: _____ | Location: <u>Hinesburg</u> State: <u>VT</u> |
| | | Sampler(s): <u>Katrina Muthice</u> |

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

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|---|--|--|--|--|--|--|--|--|--|

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= _____

QA/QC Reporting Notes:
 * additional charges may apply

MA DEP MCP CAM Report? Yes No
 CT DPH RCP Report? Yes No
 Standard No QC
 DQA* ASP B*
 ASP A* NJ Full*
 NJ Reduced* Tier IV*
 Tier II*
 Other _____
 State-specific reporting standards

| Lab ID: | Sample ID: | Date: | Time: | Type | Matrix | Containers | | | | Analysis | | | | Check if chlorinated | | | | | |
|---------|------------------------------|-----------------|-------------|----------|-----------|----------------|------------------|------------------|--------------|----------|--|--|--|----------------------|--|--|--|--|--|
| | | | | | | # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic | | | | | | | | | | |
| | <u>152 Forest Edge - EFF</u> | <u>12/15/22</u> | <u>1007</u> | <u>G</u> | <u>DW</u> | <u>3</u> | | | | | | | | | | | | | |
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|---|---------------------------|-----------------------|-------------------|--------------------------|--|
| Relinquished by: <u>Katrina Muthice</u> | Received by: <u>Fedex</u> | Date: <u>12/15/22</u> | Time: <u>1351</u> | Temp °C: <u>Observed</u> | <input checked="" type="checkbox"/> EDD format: <u>Equis EZ EDP</u> |
| | | | | Correction Factor | <input checked="" type="checkbox"/> E-mail to: <u>kmuthice@stone-enu.com</u> |
| | | | | Corrected | |
| | | <u>12/14/22</u> | <u>1020</u> | IR ID # | Condition upon receipt: <input type="checkbox"/> Ambient <input type="checkbox"/> Iced <input type="checkbox"/> Refrigerated <input type="checkbox"/> DI VOA Frozen <input type="checkbox"/> Soil Jar Frozen |

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-8919-1

Login Number: 8919

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: 620-8919-1

Login Number: 8919

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 12/16/22 03:59 PM

Creator: Hollinger, Zane T

| 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? | True | |
| Sample custody seals are intact. | N/A | |
| VOA sample vials do not have headspace $>6\text{mm}$ in diameter (none, if from WV)? | True | |