HENNESSY
Engineering & Consulting

William C. Hennessy, Jr. P.E.

February 2, 2022

Ms. Li Ning
One Furlong Drive
Albany NY 12205

Re: 69 Fuller Road
Colonie, New York

Dear Ms. Ning:

This report describes subsurface investigation activities completed at the Silvestri Cleaners property. Soil borings, groundwater monitoring wells, sampling and analytical services were completed to document the site in anticipation of a property transfer.

1.0 Location/and Property Improvements

69 Fuller Road is located in the southern portion of the Town and northern portion of Albany County (see Figure 1 - Site Location map).

Figure 1. Site Location

Commercial and light Industrial use exist along Fuller Road and Warehouse Row. The Pine Bush exists to the west. Public water and sewer serve the site and the surrounding area.

The building houses the former Silvestri Cleaners on floor one and a former Dance Studio on floor 2. Access Auto Sales/Service exists across Fuller Road at #68, while Habitat for Humanity ReStore exists across Fuller Road at #70 (this is formerly Paulson-Holbrook Lumber, an inactive hazardous waste site due to pretreated lumber methods). The former A&P supermarket building exists to the south Penske Truck rental exists to the north.

Figure 2. Parcel Map

Silvestri Dry Cleaners reportedly operated the subject building from 1956-2019. A NYS Dept. of Environmental Conservation form entitled "Weekly Inspection for 3rd/4th Generation Perc Dry cleaning machines was observed at the building which stated in handwriting that no more perc was used due to installation of a new machine April 22, 2016.

2.0 Field Investigation

Based on the historical use, soil borings were advanced to assess soil and groundwater quality. Boring locations were determined based on New York State Part 375 regulations administered by the Department of Environmental Conservation (NYSDEC). Seven borings were advanced on the Property. Three were converted to groundwater monitoring wells. Figure 3 depicts the boring locations.

Precision Environmental Services (PES), Ballston Spa, NY, completed the fieldwork Friday December 3, 2021 utilizing PES's limited access 540B Geoprobe direct push soil probe. Investigative fieldwork included installation of soil borings, field screening of acquired soil samples, and submittal to a NYS certified laboratory for analysis. The undersigned, observed, screened and documented soil conditions. Decontamination procedures were performed on all soil sampling equipment prior to and between each sample acquisition.

The geoprobe advances a 2-¼" diameter tube, with a disposable acetate liner, into the soil for extraction of soil samples. Sampling equipment included a stainless steel macrocore sampler which retrieves relatively undisturbed soil samples across a four foot interval.

Soils were generally consistent across the site. Sand, silt and gravel existed from approximately 0-1' below grade, with tan fine sand extending to depth (8.0 feet in most borings, see logs in Appendix B). Groundwater was encountered between 5' and 7' below grade in all borings.

A sub-slab vapor sample was obtained in the vicinity of the dry cleaning machines. A temporary soil vapor probe was installed inside the building approximately 5 feet from the dry cleaning machines. The temporary probe was for preliminary screening purposes and was installed utilizing a hammer drill through the concrete floor. A stainless steel implant was installed together with 1/8 inch diameter polyethylene tubing, to a peristaltic pump and collection in a 5-liter tedlar bag.

Temporary groundwater monitoring wells were installed at borings 1, 6, and 7. These locations were chosen based on assumed groundwater direction and former building operations. PES-1 was assumed upgradient, PES-2 was assumed downgradient, and PES-3 was at the exterior near the former dry cleaning machines. Groundwater sampling was

completed by Precision Environmental Services December 8, 2021. Groundwater sample collection was via sampling-purging by bailer. In addition to determining the depth to groundwater, monitoring wells were purged of a minimum of three well volumes by bailing, allowed to re-charge to equilibration, and sampled. All samples were obtained by aseptic techniques, secured in clean laboratory supplied glassware, labeled, and placed on iced storage for subsequent submission under chain of custody to Alpha Analytical Laboratory Buffalo, NY (ELAP #11148).

3.0 Field Screening: Collected soil samples were classified with respect to soil type and field screened utilizing a properly calibrated Minirae 3000 Photo Ionization Detector (PID) to determine the presence of volatile organic compounds (VOCs). Screening involved sealing representative portions of the acquired sample in clean plastic bags, allowing for equilibration and scanning the headspace using the PID.

SOIL BORING	DEPTH (FT.)	PID RESPONSE (PPM)
SB-1	all	5.6
SB-2	all	0
SB-3	1-2'*	0
SB-4	all	0
SB-5	all	0
SB-6	9'	3.1
SB-7	6'	6.2

*assumed to be vegetation organics

All results are reported in mg/kg (ppm)

Elevated readings were obtained on the PID at borings 3, 6, and 7. The response at boring 3 was assumed to be due to vegetation organics found in the soil. Laboratory samples were collected at borings 6 and 7 for laboratory analysis.

4.0 Analytical Testing

Soil, groundwater, and subslab vapor samples were obtained and submitted under Chain Of Custody to Alpha Analytical, Buffalo, NY for analysis. Alpha is certified by the NYS Department of Health for the analyses requested (ELAP #11148). Analytical results are contained in Appendix C. Soil and groundwater were sampled for compounds in accordance with the following sampling methods:

- Volatile Organic Compounds (VOCs) via EPA Method 8260C.
- Semivolatile organic compounds (SVOCs) via EPA Method 8270D
- Metals per EPA Method 6010D

Soil

Constituents were compared to NYSDEC Part 375 Soil Cleanup Objectives (SCOs). SCOs are essentially thresholds, or levels of contaminants, for consideration of allowing soil to remain in place, as well as thresholds for soil removed from a site.

No analytes were detected above the most lenient threshold ("Unrestricted Use").

Water

The upgradient well PES-1 was dry during sampling, therefore no results were available. Results for semivolatile compounds were only available for PES-2. As listed in Table 2, several contaminants were detected above laboratory detection limits in PES-2 and PES-

3. Most notably, chlorinated volatile organic compounds (CVOCs) which are dry cleaning fluids or their daughter compounds, were significantly above the NYSDEC groundwater standard. These compounds include Tetrachloroethylene (often referred to as perc), trichloroethylene and cis 1,2 dichloroethylene.

VOCS -EPA 8260C				NYSDEC GW Standard*1
Analyte in µg/L (PPB)	**PES-1**	**PES-2**	**PES-3**	
cis 1,2 dichloroethene	N/A	ND	12.00	*5*
Trichloroethene	N/A	ND	6.70	*5*
Tetrachloroethene	N/A	20.00	550.00	*5*

Soil Vapor

The sample was collected in a 5 Liter tedlar bag and submitted to Alpha Environmental for analysis in accordance with New York State Department of Health guidelines Guidance for Evaluating Soil Vapor Intrusion in New York State, October 2006. The vapor sample was analyzed via EPA method TO-15.

Table 3 and the laboratory report are appended and describe detections of all compounds as well as other constituents. Initial results for cis-1,2 dichloroethene, trichloroethene, and tetrachloroethene were high and exceeded the instrument calibration range. The sample was re-analyzed on dilution in order to quantitate the results for these compounds. As described below, these compounds exceeded guidance values significantly.

Sub slab Soil Vapor Analytical Summary			
	VOCS: EPA Method TO-15Analyte in µg/m³	**SL-1**	**NYS DOH Guidance to MITIGATE [1]**
Matrix A	Carbon tetrachloride	ND	>60
	1,1-Dichloroethane	ND	>60
	cis-1,2-Dichloroethene	2,850	>60
	Trichloroethene	7,150	>60
Matrix B	Methylene chloride	ND	>1,000
	Tetrachloroethene	119,000	>1,000
	1,1,1-Trichloroethane	ND	>1,000
Matrix C	Vinyl Chloride	ND	>60

Conclusions

Environmental investigation was completed at 69 Fuller Road to assess soil, water, and soil vapor quality due to prior land use as Silvestri Dry Cleaners:

- Eight soil borings, three groundwater monitoring wells, one temporary Soil Vapor Intrusion probe and sampling were completed to comply with NYS standards for soil and groundwater contamination.
- Regarding soil conditions, no elevated VOCs were detected above "unrestricted" Soil Cleanup Objectives".
- Regarding groundwater conditions, significant contamination was identified in two monitoring wells which contravened NYS standards, including tetrachloroethylene (perc) historical dry cleaning fluid and its daughter compounds.
- Regarding sub-slab vapor, significant contamination was identified in the temporary vapor probe which contravened NYSDOH Guidance, including tetrachloroethylene (perc) historical dry cleaning fluid and its daughter compounds.

Recommendations

In light of these findings, additional investigation is needed to delineate the extent of the identified groundwater and soil vapor contamination.

At a minimum, this report should be submitted to the NYS Department of Environmental Conservation Region 4 Divisions of Environmental Remediation for review and comment. If you concur, I would be happy to forward this to the NYDEC to advance the review. Please contact me at your convenience to discuss the matter further as needed. Thank you.

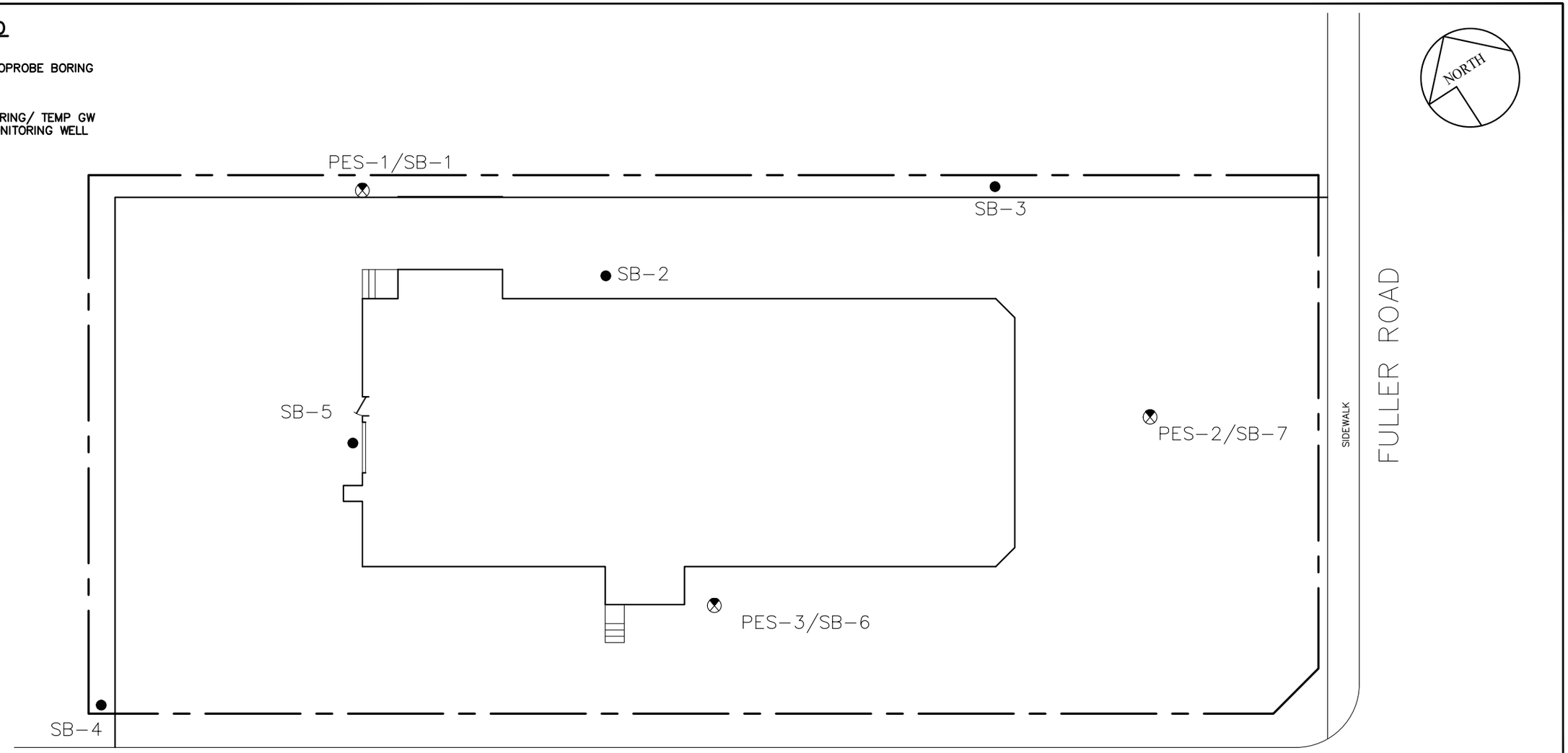
The conclusions presented in this Report were based upon the services described and not on scientific tasks or procedures beyond the scope of those described services. Services were provided in a manner with the level of care and skill ordinarily exercised by members of the profession under similar conditions. No warranty, express or implied is made. The report is a statement of professional opinion based on the information available during the assessment and formed by the judgment of the engineer from the knowledge of the available facts and other identified information. The owner must be aware that the assessment reflects conditions at a specific point in time which is clearly identified.

Sincerely,

William C. Hennessy, Jr. PE

LEGEND

- GEOPROBE BORING
- BORING/ TEMP GW MONITORING WELL



NOTES:

1. ALL DEPICTED FEATURES WERE NOT LOCATED BY ACTUAL FIELD SURVEY AND ARE SUBJECT TO FIELD VERIFICATION.
2. MAP REFERENCE: ALBANY COUNTY TAX MAPS AND GIS.

HENNESSY
Engineering & Consulting

P.O. Box 118
Voorheesville, NY 12186
518-813-3597

SITE PLAN

FORMER SILVESTRI CLEANERS

69 FULLER ROAD

TOWN OF COLONIE — COUNTY OF ALBANY, NY

Scale: 1"=20'± — DATE: DEC. 6, 2021

Appendix A

69 Fuller Road, Albany, NY
Subsurface Investigation Report of Findings

SOIL Analytical Summary

						NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives *1					
Volatiles - EPA 8260	Sample Identification					Unrestricted Use	*Restricted Use*				Protection of Groundwater
Analyte	**SB-2**	**SB-3**	**SB-5**	**SB-6**	**SB-7**		Residential	Restricted Residential	Commercial	Industrial	
Chloroform	0.00032 j	0.00032 j	0.00037j	0.00034j	ND	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Tetrachloroethene	0.0046	ND	0.0086	0.044	ND	*1.3*	*5.5*	*19*	*150*	*300*	1.3
Trichloroethene	ND	ND	ND	0.00053J	ND	*0.47*	*10*	*21*	*200*	*400*	0.47
cis-1,2-Dichloroethene	ND	ND	ND	0.00032J	ND	*0.25*	*59*	*100*	*500*	*1,000*	0.25

Semi Volatiles - EPA 8270	Sample Identification					Unrestricted Use	*Restricted Use*				Protection of Groundwater
Analyte	**SB-2**	**SB-3**	**SB-5**	**SB-6**	**SB-7**		Residential	Restricted Residential	Commercial	Industrial	
Benzo(a)anthracene	ND	ND	ND	0.063J	ND	*1*	*1*	*1*	*5.6*	*11*	1
Benzo(a)pyrene	ND	ND	ND	0.068J	ND	*1*	*1*	*1*	*1*	*1.1*	22
Benzo(b)fluoranthene	ND	ND	ND	0.12	ND	*1*	*1*	*1*	*5.6*	*11*	1.7
Benzo(k)fluoranthene	ND	ND	ND	0.034J	ND	*0.8*	*1*	*3.9*	*56*	*110*	1.7
Chrysene	ND	ND	ND	0.098J	ND	*1*	*1*	*3.9*	*56*	*110*	1
Fluoranthene	ND	ND	0.054J	0.18	ND	*100*	*100*	*100*	*500*	*1,000*	1,000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.056J	ND	*0.5*	*0.5*	*0.5*	*5.6*	*11*	8.2
Phenanthrene	ND	ND	0.052J	ND	ND	*100*	*100*	*100*	*500*	*1,000*	1,000
Pyrene	ND	ND	0.046J	0.16	ND	*100*	*100*	*100*	*500*	*1,000*	1,000
Carbazole	ND	ND	ND	0.021J	ND	NA	NA	NA	NA	NA	NA

Metals - EPA 6010C	Sample Identification					Unrestricted Use	*Restricted Use*				Protection of Groundwater
Analyte	**SB-2**	**SB-3**	**SB-5**	**SB-6**	**SB-7**		Residential	Restricted Residential	Commercial	Industrial	
Arsenic, Total	NS	0.702	1.93	0.936	0.732	*13*	*16*	*16*	*16*	*16*	16
Barium, Total	NS	6.08	9.83	6.99	4.16	*350*	*350*	*400*	*400*	*10,000*	820
Cadmium, Total	NS	0.095J	0.151J	0.126J	0.109J	*2.5*	*2.5*	*4.3*	*9.3*	*60*	7.5
Chromium, Total	NS	2.35	3.53	2.81	3.07	*30*	*36*	*180*	*1,500*	*6,800*	N/A
Lead, Total	NS	1.30J	2.49J	1.67J	1.23J	*63*	*400*	*400*	*1,000*	*3,900*	450
Mercury, Total	NS	ND	ND	ND	ND	*0.18*	*0.81*	*0.81*	*2.8*	*5.7*	0.73
Selenium, Total	NS	ND	0.245J	ND	ND	*3.9*	*36*	*180*	*1,500*	*6,800*	4
Silver, Total	NS	ND	ND	ND	ND	*2*	*36*	*180*	*1,500*	*6,800*	8.3

Laboratory analysis performed by Alpha Analytical, Inc., Buffalo, NY
All results reported in mg/kg (parts per million)
*1 = NYSDEC Regulation 6 NYCRR Subpart 375
Highlighted Values Exceeds Corresponding Soil Cleanup Objective
ND = Not detected below the laboratories method detection limit
NS = Not analyzed
Samples obtained on Dec. 3, 2021

69 Fuller Road, Albany, NY

TABLE 2

DETECTIONS Groundwater Analytical Summary

VOCS -EPA 8260C				NYSDEC GW Standard[*1]
Analyte in µg/L (PPB)	**PES-1**	**PES-2**	**PES-3**	
cis 1,2 dichloroethene	N/A	ND	12.00	*5*
Trichloroethene	N/A	ND	6.70	*5*
Tetrachloroethene	N/A	20.00	550.00	*5*
VINYL CHLORIDE	N/A	ND	ND	*2*
1, 1 DCE	N/A	ND	ND	*5*
trans 1,2 DCE	N/A	ND	ND	*5*
Benzene	N/A	ND	ND	*1*
Toluene	N/A	ND	ND	*5*
SVOCS -EPA 8270				
Analyte in µg/L (PPB)	**PES-1**	**PES-2**	**PES-3**	
Benzo(a)anthracene	N/A	0.06J	N/A	*N/A*
Benzo(a)pyrene	N/A	0.04J	N/A	ND
Benzo(b)fluoranthene	N/A	0.06J	N/A	*N/A*
Benzo(k)fluoranthene	N/A	0.03J	N/A	*N/A*
Chrysene	N/A	0.03J	N/A	*N/A*
Acenaphthylene	N/A	0.03J	N/A	*N/A*
Anthracene	N/A	ND	N/A	*N/A*
Benzo(ghi)perylene	N/A	0.04J	N/A	*N/A*
Fluorene	N/A	ND	N/A	*N/A*
Phenanthrene	N/A	0.08J	N/A	*N/A*
Dibenzo(a,h)anthracene	N/A	ND	N/A	*N/A*
Indeno(1,2,3-cd)pyrene	N/A	0.05J	N/A	*N/A*
METALS-EPA 6010D				
Analyte in mg/L (PPM)	**PES-1**	**PES-2**	**PES-3**	
Arsenic, Total	N/A	0.102	0.097	*50*
Barium, Total	N/A	3.930	2.160	*2000*
Cadmium, Total	N/A	ND	0.013J	*10*
Chromium, Total	N/A	0.324	0.327	*100*
Lead, Total	N/A	0.468	0.661	*50*
Mercury, Total	N/A	0.004	0.004	*1.4*
Selenium, Total	N/A	ND	ND	*20*
Silver, Total	N/A	ND	ND	*100*

[*1] = 6 NYCRR Part 703.6 Surface and Groundwater Quality Standards.

Laboratory analysis performed by Alpha Analytical Inc., Buffalo, NY

All results reported in ug/l (parts per billion) unless otherwise noted

j = estimated value

ND = Not detected below the laboratories method detection limit

N/A = Not Applicable/Not Available

69 Fuller Road, Albany, NY
TABLE 3

Sub slab Soil Vapor Analytical Summary

	VOCS: EPA Method TO-15Analyte in µg/m^3	SL-1	NYS DOH Guidance to MITIGATE [1]
Matrix A	Carbon tetrachloride	ND	>60
	1,1-Dichloroethane	ND	>60
	cis-1,2-Dichloroethene	2,850	>60
	Trichloroethene	7,150	>60
Matrix B	Methylene chloride	ND	>1,000
	Tetrachloroethene	119,000	>1,000
	1,1,1-Trichloroethane	ND	>1,000
Matrix C	Vinyl Chloride	ND	>60
	1,1,2,2-Tetrachloroethane	ND	
	1,1,2-Trichloroethane	ND	
	1,2,4-Trimethylbenzene	3.4	
	1,2-Dichloroethane	ND	
	1,4-Dioxane	ND	
	2-Butanone	3.2	
	Acetone	27.6	
	Benzene	1.3	
	Carbon disulfide	2.0	
	Chloroform	25.0	
	Cyclohexane	0.7	
	Dichlorodifluoromethane	2.4	
	Ethanol	26.8	
	Ethylbenzene	3.6	
	Freon-113	ND	
	Heptane	3.8	
	Isopropanol	8.8	
	Methyl tert butyl ether	ND	
	n-Hexane	1.1	
	o-Xylene	3.9	
	p/m-Xylene	11.4	
	Tertiary butyl Alcohol	ND	
	Toluene	23.7	
	trans-1,2-Dichloroethene	14.1	
	Trichlorofluoromethane	1.2	

[1] = NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, 2006, (updated May, 2017)

Laboratory analysis performed by Alpha Analytical Inc., Buffalo, NY

All results reported in ug/l (parts per billion) unless otherwise noted

j = estimated value

ND = Not detected below the laboratories method detection limit

N/A = Not Applicable/Not Available

Appendix B

Soil Borings

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	**Boring/Well Number: SB-1/PES-1**
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed: Dec. 8, 2021
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth: +1"	Total Depth of Hole: 12'
Screen Diameter (inches): 1"	Top of Screen: 2'	Length: 10'

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				6" Topsoil
2			0	BROWN FINE SAND
3				
4				
5				
6				BROWN FINE SAND
7	▽	7'	0	
8				
9				
10			0	BROWN FINE SAND
11				
12				END OF BORING: 12'
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-2
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				3" ASPHALT
2			0	
3				BROWN FINE SAND
4				
5				
6				BROWN FINE SAND
7	▽		0	
8				END OF BORING: 8'
9				
10				
11				
12				
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-3
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				6: TOPSOIL
2			5.6	
3				BROWN SAND
4				
5				
6				BROWN SAND AND SILT
7	▽		0	
8				END OF BORING: 8'
9				
10				
11				
12				
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-4
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				6: TOPSOIL
2			0	
3				BROWN MED SAND
4				
5				BROWN FINE SAND
6				
7		7'	0	
8				
9				
10	▽		0	BROWN FINE SAND
11				BROWN FINE SAND W/ SILT
12				END OF BORING: 12'
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-5
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				1" ASPHALT
2			0	
3				BROWN FINE SAND
4				
5				
6				BROWN FINE SAND
7	▽	7'	0	
8				END OF BORING: 8'
9				
10				
11				
12				
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-6/PES-3
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed: Dec. 8, 2021
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth: -1"	Total Depth of Hole: 16'
Screen Diameter (inches): 1"	Top of Screen: 6'	Length: 10'

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				2" ASPHALT
2			0	BROWN FINE SAND
3				
4				
5				BROWN FINE SAND
6				
7			1.1	
8				
9				
10	▽	9'	3.1	BROWN FINE SAND
11				
12				
13				
14			0	BROWN FINE SAND
15				
16				END OF BORING: 16'

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-7/PES-2
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed: Dec. 8, 2021
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth: -1"	Total Depth of Hole: 12'
Screen Diameter (inches): 1"	Top of Screen: 2'	Length: 10'

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				2" ASPHALT
2			4.4	BROWN FINE SAND
3				
4				
5				
6				BROWN FINE SAND
7			6.2	
8				
9				
10			0.8	BROWN FINE SAND
11	▽			
12				END OF BORING: 12'
13				
14				
15				
16				

Appendix C

Analytical

ANALYTICAL REPORT

Lab Number:	L2167545
Client:	Hennessy Engineering & Consulting PO Box 118 Voorheesville, NY 12186
ATTN:	William Hennessy
Phone:	(518) 475-1670
Project Name:	SILVESTRI DRY CLEANERS
Project Number:	Not Specified
Report Date:	12/23/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2167545-01	PES-2	WATER	69 FULLER ROAD ALBANY	12/08/21 14:00	12/08/21
L2167545-02	PES-3	WATER	69 FULLER ROAD ALBANY	12/08/21 14:20	12/08/21
L2167545-03	TRIP BLANK	WATER	69 FULLER ROAD ALBANY	12/08/21 00:00	12/08/21

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2167545-02: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

L2167545-03: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. This sample was analyzed.

Volatile Organics

L2167545-01: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Semivolatile Organics

L2167545-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix. The container was not rinsed as prescribed by the method.

Semivolatile Organics by SIM

L2167545-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2167545-01 and -02: The sample has elevated detection limits for all elements due to the prep dilution required by the sample matrix.

L2167545-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 12/23/21

ORGANICS

VOLATILES

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/21 00:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	20		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01 Date Collected: 12/08/21 14:00

Client ID: PES-2 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-02 D
Client ID: PES-3
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:20
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/21 00:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	550		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	6.7		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-02 D Date Collected: 12/08/21 14:20

Client ID: PES-3 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	12		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-03
Client ID: TRIP BLANK
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 00:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/22/21 13:53
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-03 Date Collected: 12/08/21 00:00

Client ID: TRIP BLANK Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	116		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/21 19:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1585226-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/21 19:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1585226-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/21 19:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1585226-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1585226-3 WG1585226-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	95		93		63-130	2		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	95		96		67-130	1		20
trans-1,3-Dichloropropene	88		89		70-130	1		20
cis-1,3-Dichloropropene	98		98		70-130	0		20
Bromoform	77		78		54-136	1		20
1,1,2,2-Tetrachloroethane	97		96		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	99		100		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	98		100		64-130	2		20
Bromomethane	67		70		39-139	4		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1585226-3 WG1585226-4								
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	88		87		63-130	1		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	88		93		58-148	6		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	94		96		63-138	2		20
4-Methyl-2-pentanone	73		76		59-130	4		20
2-Hexanone	80		80		57-130	0		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	93		91		70-130	2		20
1,2-Dibromo-3-chloropropane	80		74		41-144	8		20
Isopropylbenzene	100		110		70-130	10		20
1,2,3-Trichlorobenzene	92		96		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1585226-3 WG1585226-4								
1,2,4-Trichlorobenzene	94		98		70-130	4		20
Methyl Acetate	86		88		70-130	2		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	86		92		56-162	7		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	89		94		63-132	5		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	91		97		63-130	6		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	98		100		70-130	2		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	95		97		67-130	2		20
Bromodichloromethane	92		96		67-130	4		20
trans-1,3-Dichloropropene	83		90		70-130	8		20
cis-1,3-Dichloropropene	89		93		70-130	4		20
Bromoform	82		89		54-136	8		20
1,1,2,2-Tetrachloroethane	93		100		67-130	7		20
Benzene	100		100		70-130	0		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	130		130		64-130	0		20
Bromomethane	90		78		39-139	14		20
Vinyl chloride	130		130		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	90		100		63-130	11		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		110		58-148	10		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	94		110		63-138	16		20
4-Methyl-2-pentanone	88		100		59-130	13		20
2-Hexanone	95		110		57-130	15		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	91		99		70-130	8		20
1,2-Dibromo-3-chloropropane	75		86		41-144	14		20
Isopropylbenzene	100		110		70-130	10		20
1,2,3-Trichlorobenzene	84		93		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
1,2,4-Trichlorobenzene	85		93		70-130	9		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	92		96		56-162	4		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	94		97		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/16/21 01:05
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	4.2	1.1	1
3,3'-Dichlorobenzidine	ND		ug/l	11	3.4	1
2,4-Dinitrotoluene	ND		ug/l	11	2.5	1
2,6-Dinitrotoluene	ND		ug/l	11	2.0	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.2	1.0	1
4-Bromophenyl phenyl ether	ND		ug/l	4.2	0.80	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.2	1.1	1
Bis(2-chloroethoxy)methane	ND		ug/l	11	1.1	1
Hexachlorocyclopentadiene	ND		ug/l	42	1.4	1
Isophorone	ND		ug/l	11	2.5	1
Nitrobenzene	ND		ug/l	4.2	1.6	1
NDPA/DPA	ND		ug/l	4.2	0.88	1
n-Nitrosodi-n-propylamine	ND		ug/l	11	1.4	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	6.3	3.2	1
Butyl benzyl phthalate	ND		ug/l	11	2.5	1
Di-n-butylphthalate	ND		ug/l	11	0.82	1
Di-n-octylphthalate	ND		ug/l	11	2.7	1
Diethyl phthalate	ND		ug/l	11	0.81	1
Dimethyl phthalate	ND		ug/l	11	3.8	1
Biphenyl	ND		ug/l	4.2	0.97	1
4-Chloroaniline	ND		ug/l	11	2.3	1
2-Nitroaniline	ND		ug/l	11	1.0	1
3-Nitroaniline	ND		ug/l	11	1.7	1
4-Nitroaniline	ND		ug/l	11	1.7	1
Dibenzofuran	ND		ug/l	4.2	1.0	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	21	0.93	1
Acetophenone	ND		ug/l	11	1.1	1
2,4,6-Trichlorophenol	ND		ug/l	11	1.3	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01 Date Collected: 12/08/21 14:00

Client ID: PES-2 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	4.2	0.74	1
2-Chlorophenol	ND		ug/l	4.2	1.0	1
2,4-Dichlorophenol	ND		ug/l	11	0.87	1
2,4-Dimethylphenol	ND		ug/l	11	3.8	1
2-Nitrophenol	ND		ug/l	21	1.8	1
4-Nitrophenol	ND		ug/l	21	1.4	1
2,4-Dinitrophenol	ND		ug/l	42	14.	1
4,6-Dinitro-o-cresol	ND		ug/l	21	3.8	1
Phenol	ND		ug/l	11	1.2	1
2-Methylphenol	ND		ug/l	11	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	11	1.0	1
2,4,5-Trichlorophenol	ND		ug/l	11	1.6	1
Carbazole	ND		ug/l	4.2	1.0	1
Atrazine	ND		ug/l	21	1.6	1
Benzaldehyde	ND		ug/l	11	1.1	1
Caprolactam	ND		ug/l	21	6.9	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	11	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	83		41-149

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/19/21 15:28
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.21	0.03	1
2-Chloronaphthalene	ND		ug/l	0.42	0.04	1
Fluoranthene	ND		ug/l	0.21	0.04	1
Hexachlorobutadiene	ND		ug/l	1.0	0.10	1
Naphthalene	ND		ug/l	0.21	0.10	1
Benzo(a)anthracene	0.06	J	ug/l	0.21	0.04	1
Benzo(a)pyrene	0.04	J	ug/l	0.21	0.03	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.21	0.02	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.21	0.02	1
Chrysene	0.03	J	ug/l	0.21	0.03	1
Acenaphthylene	0.03	J	ug/l	0.21	0.03	1
Anthracene	ND		ug/l	0.21	0.03	1
Benzo(ghi)perylene	0.04	J	ug/l	0.21	0.03	1
Fluorene	ND		ug/l	0.21	0.03	1
Phenanthrene	0.08	J	ug/l	0.21	0.05	1
Dibenzo(a,h)anthracene	ND		ug/l	0.21	0.03	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.21	0.03	1
Pyrene	ND		ug/l	0.21	0.04	1
2-Methylnaphthalene	ND		ug/l	0.21	0.05	1
Pentachlorophenol	ND		ug/l	1.7	0.03	1
Hexachlorobenzene	ND		ug/l	1.7	0.02	1
Hexachloroethane	ND		ug/l	1.7	0.13	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01 Date Collected: 12/08/21 14:00

Client ID: PES-2 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	90		41-149

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/15/21 19:42
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1582698-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/15/21 19:42
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1582698-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	73		41-149

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/17/21 18:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1582699-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/17/21 18:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1582699-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1582698-2 WG1582698-3								
Bis(2-chloroethyl)ether	68		66		40-140	3		30
3,3'-Dichlorobenzidine	58		63		40-140	8		30
2,4-Dinitrotoluene	62		64		48-143	3		30
2,6-Dinitrotoluene	58		58		40-140	0		30
4-Chlorophenyl phenyl ether	60		60		40-140	0		30
4-Bromophenyl phenyl ether	58		59		40-140	2		30
Bis(2-chloroisopropyl)ether	63		60		40-140	5		30
Bis(2-chloroethoxy)methane	69		67		40-140	3		30
Hexachlorocyclopentadiene	**34**	Q	**34**	Q	40-140	0		30
Isophorone	69		64		40-140	8		30
Nitrobenzene	67		59		40-140	13		30
NDPA/DPA	67		68		40-140	1		30
n-Nitrosodi-n-propylamine	65		63		29-132	3		30
Bis(2-ethylhexyl)phthalate	69		84		40-140	20		30
Butyl benzyl phthalate	68		81		40-140	17		30
Di-n-butylphthalate	69		76		40-140	10		30
Di-n-octylphthalate	71		84		40-140	17		30
Diethyl phthalate	65		67		40-140	3		30
Dimethyl phthalate	59		58		40-140	2		30
Biphenyl	66		63		40-140	5		30
4-Chloroaniline	75		63		40-140	17		30
2-Nitroaniline	66		66		52-143	0		30
3-Nitroaniline	61		64		25-145	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1582698-2 WG1582698-3								
4-Nitroaniline	63		68		51-143	8		30
Dibenzofuran	64		65		40-140	2		30
1,2,4,5-Tetrachlorobenzene	54		50		2-134	8		30
Acetophenone	76		66		39-129	14		30
2,4,6-Trichlorophenol	56		55		30-130	2		30
p-Chloro-m-cresol	76		75		23-97	1		30
2-Chlorophenol	70		67		27-123	4		30
2,4-Dichlorophenol	67		69		30-130	3		30
2,4-Dimethylphenol	74		64		30-130	14		30
2-Nitrophenol	66		67		30-130	2		30
4-Nitrophenol	55		58		10-80	5		30
2,4-Dinitrophenol	47		43		20-130	9		30
4,6-Dinitro-o-cresol	57		53		20-164	7		30
Phenol	56		49		12-110	13		30
2-Methylphenol	74		69		30-130	7		30
3-Methylphenol/4-Methylphenol	74		69		30-130	7		30
2,4,5-Trichlorophenol	57		59		30-130	3		30
Carbazole	72		77		55-144	7		30
Atrazine	72		79		40-140	9		30
Benzaldehyde	71		65		40-140	9		30
Caprolactam	36		33		10-130	9		30
2,3,4,6-Tetrachlorophenol	58		60		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1582698-2 WG1582698-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		57		21-120
Phenol-d6	55		49		10-120
Nitrobenzene-d5	68		66		23-120
2-Fluorobiphenyl	59		56		15-120
2,4,6-Tribromophenol	62		66		10-120
4-Terphenyl-d14	73		77		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1582699-2 WG1582699-3								
Acenaphthene	77		81		40-140	5		40
2-Chloronaphthalene	83		84		40-140	1		40
Fluoranthene	86		91		40-140	6		40
Hexachlorobutadiene	69		67		40-140	3		40
Naphthalene	75		77		40-140	3		40
Benzo(a)anthracene	80		85		40-140	6		40
Benzo(a)pyrene	87		92		40-140	6		40
Benzo(b)fluoranthene	90		93		40-140	3		40
Benzo(k)fluoranthene	90		97		40-140	7		40
Chrysene	82		87		40-140	6		40
Acenaphthylene	91		94		40-140	3		40
Anthracene	81		87		40-140	7		40
Benzo(ghi)perylene	79		83		40-140	5		40
Fluorene	82		88		40-140	7		40
Phenanthrene	78		83		40-140	6		40
Dibenzo(a,h)anthracene	82		87		40-140	6		40
Indeno(1,2,3-cd)pyrene	84		89		40-140	6		40
Pyrene	87		91		40-140	4		40
2-Methylnaphthalene	80		82		40-140	2		40
Pentachlorophenol	66		68		40-140	3		40
Hexachlorobenzene	76		80		40-140	5		40
Hexachloroethane	66		65		40-140	2		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1582699-2 WG1582699-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		63		21-120
Phenol-d6	50		50		10-120
Nitrobenzene-d5	82		84		23-120
2-Fluorobiphenyl	86		88		15-120
2,4,6-Tribromophenol	101		105		10-120
4-Terphenyl-d14	91		94		41-149

METALS

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY
Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.102		mg/l	0.100	0.038	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Barium, Total	3.93		mg/l	0.200	0.042	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Cadmium, Total	ND		mg/l	0.100	0.020	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Chromium, Total	0.324		mg/l	0.200	0.042	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Lead, Total	0.468		mg/l	0.200	0.054	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Mercury, Total	0.00388		mg/l	0.00100	0.00045	1	12/19/21 12:36	12/20/21 09:35	EPA 7470A	1,7470A	AC
Selenium, Total	ND		mg/l	0.200	0.070	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Silver, Total	ND		mg/l	0.140	0.056	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-02
Client ID: PES-3
Sample Location: 69 FULLER ROAD ALBANY
Date Collected: 12/08/21 14:20
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.097		mg/l	0.050	0.019	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Barium, Total	2.16		mg/l	0.100	0.021	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Cadmium, Total	0.013	J	mg/l	0.050	0.010	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Chromium, Total	0.327		mg/l	0.100	0.021	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Lead, Total	0.661		mg/l	0.100	0.027	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Mercury, Total	0.00359		mg/l	0.00100	0.00045	1	12/19/21 12:36	12/20/21 09:38	EPA 7470A	1,7470A	AC
Selenium, Total	ND		mg/l	0.100	0.035	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Silver, Total	ND		mg/l	0.070	0.028	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1584774-1										
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Barium, Total	ND		mg/l	0.010	0.002	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Chromium, Total	ND		mg/l	0.010	0.002	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Lead, Total	ND		mg/l	0.010	0.003	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Selenium, Total	ND		mg/l	0.010	0.004	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Silver, Total	ND		mg/l	0.007	0.003	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1584775-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/19/21 12:36	12/20/21 09:08	1,7470A	AC

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1584774-2								
Arsenic, Total	107		-		80-120	-		
Barium, Total	101		-		80-120	-		
Cadmium, Total	101		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Lead, Total	100		-		80-120	-		
Selenium, Total	104		-		80-120	-		
Silver, Total	101		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1584775-2								
Mercury, Total	98		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584774-3 QC Sample: L2166931-01 Client ID: MS Sample												
Arsenic, Total	ND	0.12	0.130	108		-	-		75-125	-		20
Barium, Total	0.007J	2	2.05	102		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.054	102		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.203	102		-	-		75-125	-		20
Lead, Total	ND	0.53	0.536	101		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.129	108		-	-		75-125	-		20
Silver, Total	ND	0.05	0.052	103		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584775-3 QC Sample: L2167542-02 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00473	95		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584774-4 QC Sample: L2166931-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.007J	0.006J	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584775-4 QC Sample: L2167542-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2167545-01A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-01B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-01C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2167545-01E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2167545-01F	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2167545-02A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-02B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-02C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-02D	Plastic 250ml HNO3 preserved	A	6	<2	2.4	N	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2167545-03A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-03B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 12/9/21

ALPHA Job #: L2167545

Client Information
Client: Hennessy Engineering
Address: P.O. Box 118
Voorheesville, NY 12186
Phone: 518-813-3597
Fax:
Email: Bill@hennessyec.com

Project Information
Project Name: Silvestri Dry Cleaners
Project Location: 69 Fuller Road albany
Project #
(Use Project name as Project #) ☐
Project Manager: Bill Hennessy
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☑ EQuIS (4 File)
☐ Other

Regulatory Requirement
☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
cc Bill@hennessyec.com and Kballou@pesnyinc.com on sample results

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs by 8260 TOGS	sVOCs by 8270 TOGS	RCRA 8 Total Metals	Sample Specific Comments	Total Bottle
	PES-1			GW		X	X	X		
67545-01	PES-2	12-8-21	2:00 pm	GW		X	X	X		
-02	PES-3	12-8-21	2:20 pm	GW		X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	12-8-21 14:40		12/8/21 14:40
	12/8/21 14:40		12/9/21 0230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2166628
Client:	Hennessy Engineering & Consulting PO Box 118 Voorheesville, NY 12186
ATTN:	William Hennessy
Phone:	(518) 475-1670
Project Name:	SILVESTRI
Project Number:	Not Specified
Report Date:	12/07/21

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166628-01	SL-1	SOIL_VAPOR	ALBANY NY	12/03/21 10:30	12/03/21

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Case Narrative (continued)

Volatile Organics in Air

L2166628-01: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2166628-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1579810-3 LCS recovery for 1,2,4-trichlorobenzene (138%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/07/21

AIR

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/07/21 01:38
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.481	0.200	--	2.38	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.2	5.00	--	26.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.6	1.00	--	27.6	2.38	--		1
Trichlorofluoromethane	0.211	0.200	--	1.19	1.12	--		1
Isopropanol	3.56	0.500	--	8.75	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.629	0.200	--	1.96	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	3.56	0.200	--	14.1	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.08	0.500	--	3.19	1.47	--		1
cis-1,2-Dichloroethene	400	0.200	--	1590	0.793	--	E	1

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.12	0.200	--	25.0	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.306	0.200	--	1.08	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.415	0.200	--	1.33	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.213	0.200	--	0.733	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	500	0.200	--	2690	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.923	0.200	--	3.78	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	6.28	0.200	--	23.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1100	0.200	--	7460	1.36	--	E	1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.818	0.200	--	3.55	0.869	--		1

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.62	0.400	--	11.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.895	0.200	--	3.89	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.694	0.200	--	3.41	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	108		60-140

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01 D
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/07/21 08:39
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
cis-1,2-Dichloroethene	718	66.7	--	2850	264	--		333.3
Trichloroethene	1330	66.7	--	7150	358	--		333.3
Tetrachloroethene	17600	66.7	--	119000	452	--		333.3

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	108		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	105		60-140

Project Name: SILVESTRI
Project Number: Not Specified
Lab Number: L2166628
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/06/21 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1579810-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: SILVESTRI
Project Number: Not Specified
Lab Number: L2166628
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/06/21 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1579810-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: SILVESTRI
Project Number: Not Specified
Lab Number: L2166628
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/06/21 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1579810-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1579810-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	105		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	84		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	86		-		70-130	-		
Chloroethane	86		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	93		-		70-130	-		
Acetone	108		-		40-160	-		
Trichlorofluoromethane	95		-		70-130	-		
Isopropanol	105		-		40-160	-		
1,1-Dichloroethene	88		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	80		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	85		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1579810-3								
Ethyl Acetate	84		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	82		-		70-130	-		
n-Hexane	93		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Heptane	117		-		70-130	-		
cis-1,3-Dichloropropene	116		-		70-130	-		
4-Methyl-2-pentanone	119		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	97		-		70-130	-		
2-Hexanone	123		-		70-130	-		
Dibromochloromethane	112		-		70-130	-		
1,2-Dibromoethane	114		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1579810-3								
Tetrachloroethene	111		-		70-130	-		
Chlorobenzene	107		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	119		-		70-130	-		
Styrene	114		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	111		-		70-130	-		
4-Ethyltoluene	109		-		70-130	-		
1,3,5-Trimethylbenzene	125		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Benzyl chloride	111		-		70-130	-		
1,3-Dichlorobenzene	124		-		70-130	-		
1,4-Dichlorobenzene	115		-		70-130	-		
1,2-Dichlorobenzene	119		-		70-130	-		
1,2,4-Trichlorobenzene	**138**	Q	-		70-130	-		
Hexachlorobutadiene	121		-		70-130	-		

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166628-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2166628-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 12-4-21

ALPHA Job #: L2166628

Client Information
Client: Hennessy
Address: PO Box 118
121860
Phone: 518 813 3597
Fax:
Email: bl//@hennessyec.com

Project Information
Project Name: SILVESTRI
Project Location: ALBANY NY
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TO-15

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TO-15	Total Bottle	Sample Specific Comments
66628-01	SL-1	12/3/21	1030	Air	WCH	X		

Container Type: O
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/3/21 1515	AAL	12-3-21 1515
AAL	12-3-21 1720		12/4/21 0100
	12/4/21 4:00		12/4/21 5:00
	12/4/21 6:15		12/4/21 0615

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2166611
Client:	Hennessy Engineering & Consulting PO Box 118 Voorheesville, NY 12186
ATTN:	William Hennessy
Phone:	(518) 475-1670
Project Name:	SILVESTRI
Project Number:	321
Report Date:	12/17/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166611-01	SB-2	SOIL	ALBANY, NY	12/03/21 10:30	12/03/21
L2166611-02	SB-3	SOIL	ALBANY, NY	12/03/21 11:00	12/03/21
L2166611-03	SB-5	SOIL	ALBANY, NY	12/03/21 11:45	12/03/21
L2166611-04	SB-6	SOIL	ALBANY, NY	12/03/21 13:15	12/03/21
L2166611-05	SB-7	SOIL	ALBANY, NY	12/03/21 12:30	12/03/21

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/17/21

ORGANICS

VOLATILES

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-01
Client ID: SB-2
Sample Location: ALBANY, NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 14:02
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.32	J	ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	4.6		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-01 Date Collected: 12/03/21 10:30

Client ID: SB-2 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.65	1
Freon-113	ND		ug/kg	4.8	0.83	1
Methyl cyclohexane	ND		ug/kg	4.8	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	110		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 14:28
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.32	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02 Date Collected: 12/03/21 11:00

Client ID: SB-3 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
Freon-113	ND		ug/kg	4.3	0.75	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	111		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 14:54
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	0.37	J	ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	8.6		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.22	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03 Date Collected: 12/03/21 11:45

Client ID: SB-5 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.84	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Cyclohexane	ND		ug/kg	13	0.70	1
Freon-113	ND		ug/kg	5.2	0.89	1
Methyl cyclohexane	ND		ug/kg	5.2	0.78	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	109		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY

Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 15:20
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.34	J	ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	44		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	0.53	J	ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04 Date Collected: 12/03/21 13:15

Client ID: SB-6 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	0.32	J	ug/kg	1.2	0.20	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.76	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	12	0.63	1
Freon-113	ND		ug/kg	4.6	0.80	1
Methyl cyclohexane	ND		ug/kg	4.6	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY

Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 15:47
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.33	J	ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.57		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05 Date Collected: 12/03/21 12:30

Client ID: SB-7 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Cyclohexane	ND		ug/kg	10	0.56	1
Freon-113	ND		ug/kg	4.1	0.72	1
Methyl cyclohexane	ND		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	111		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/21 07:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1583052-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.30	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.60	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/21 07:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1583052-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/21 07:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1583052-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1583052-3 WG1583052-4								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	90		88		70-130	2		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	89		88		70-130	1		30
Dibromochloromethane	98		96		70-130	2		30
1,1,2-Trichloroethane	110		108		70-130	2		30
Tetrachloroethene	100		101		70-130	1		30
Chlorobenzene	101		100		70-130	1		30
Trichlorofluoromethane	123		124		70-139	1		30
1,2-Dichloroethane	97		95		70-130	2		30
1,1,1-Trichloroethane	101		99		70-130	2		30
Bromodichloromethane	108		107		70-130	1		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	97		95		70-130	2		30
Bromoform	104		103		70-130	1		30
1,1,2,2-Tetrachloroethane	112		110		70-130	2		30
Benzene	96		94		70-130	2		30
Toluene	100		99		70-130	1		30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	74		73		52-130	1		30
Bromomethane	129		126		57-147	2		30
Vinyl chloride	100		99		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1583052-3 WG1583052-4								
Chloroethane	**152**	Q	**152**	Q	50-151	0		30
1,1-Dichloroethene	92		93		65-135	1		30
trans-1,2-Dichloroethene	91		91		70-130	0		30
Trichloroethene	97		96		70-130	1		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	102		102		70-130	0		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	96		94		66-130	2		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	110		108		70-130	2		30
cis-1,2-Dichloroethene	92		90		70-130	2		30
Styrene	117		115		70-130	2		30
Dichlorodifluoromethane	107		107		30-146	0		30
Acetone	64		61		54-140	5		30
Carbon disulfide	92		92		59-130	0		30
2-Butanone	**64**	Q	**61**	Q	70-130	5		30
4-Methyl-2-pentanone	73		73		70-130	0		30
2-Hexanone	70		**69**	Q	70-130	1		30
1,2-Dibromoethane	94		93		70-130	1		30
n-Butylbenzene	113		112		70-130	1		30
sec-Butylbenzene	105		104		70-130	1		30
tert-Butylbenzene	101		100		70-130	1		30
1,2-Dibromo-3-chloropropane	86		85		68-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1583052-3 WG1583052-4								
Isopropylbenzene	103		102		70-130	1		30
p-Isopropyltoluene	104		104		70-130	0		30
Naphthalene	95		92		70-130	3		30
n-Propylbenzene	108		107		70-130	1		30
1,2,4-Trichlorobenzene	105		100		70-130	5		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
Methyl Acetate	68		65		51-146	5		30
Cyclohexane	82		81		59-142	1		30
Freon-113	99		98		50-139	1		30
Methyl cyclohexane	102		102		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	98		100		70-130

SEMIVOLATILES

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 12:24
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02 Date Collected: 12/03/21 11:00

Client ID: SB-3 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	140	64.	1
Benzaldehyde	ND		ug/kg	240	49.	1

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY
Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	55.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	93		18-120

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 12:02
Analyst: IM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	54	J	ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03 Date Collected: 12/03/21 11:45

Client ID: SB-5 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	52	J	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	46	J	ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	60.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03 Date Collected: 12/03/21 11:45

Client ID: SB-5 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	96		18-120

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY

Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 11:40
Analyst: IM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	180		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	63	J	ug/kg	120	22.	1
Benzo(a)pyrene	68	J	ug/kg	160	49.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04 Date Collected: 12/03/21 13:15

Client ID: SB-6 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	120		ug/kg	120	34.	1
Benzo(k)fluoranthene	34	J	ug/kg	120	32.	1
Chrysene	98	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	54	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	99	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	56	J	ug/kg	160	28.	1
Pyrene	160		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	21	J	ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY
Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	84		18-120

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY

Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 11:18
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05 Date Collected: 12/03/21 12:30

Client ID: SB-7 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05 Date Collected: 12/03/21 12:30

Client ID: SB-7 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	82		18-120

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/14/21 11:58
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1582810-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/14/21 11:58
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1582810-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/14/21 11:58
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1582810-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	59		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								
Acenaphthene	91		88		31-137	3		50
Hexachlorobenzene	91		88		40-140	3		50
Bis(2-chloroethyl)ether	84		83		40-140	1		50
2-Chloronaphthalene	88		85		40-140	3		50
3,3'-Dichlorobenzidine	57		52		40-140	9		50
2,4-Dinitrotoluene	90		89		40-132	1		50
2,6-Dinitrotoluene	86		85		40-140	1		50
Fluoranthene	87		85		40-140	2		50
4-Chlorophenyl phenyl ether	82		80		40-140	2		50
4-Bromophenyl phenyl ether	87		84		40-140	4		50
Bis(2-chloroisopropyl)ether	68		66		40-140	3		50
Bis(2-chloroethoxy)methane	85		84		40-117	1		50
Hexachlorobutadiene	84		78		40-140	7		50
Hexachlorocyclopentadiene	68		68		40-140	0		50
Hexachloroethane	84		84		40-140	0		50
Isophorone	84		84		40-140	0		50
Naphthalene	90		86		40-140	5		50
Nitrobenzene	87		85		40-140	2		50
NDPA/DPA	88		86		36-157	2		50
n-Nitrosodi-n-propylamine	79		80		32-121	1		50
Bis(2-ethylhexyl)phthalate	112		108		40-140	4		50
Butyl benzyl phthalate	105		103		40-140	2		50
Di-n-butylphthalate	106		104		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								
Di-n-octylphthalate	115		109		40-140	5		50
Diethyl phthalate	100		96		40-140	4		50
Dimethyl phthalate	89		88		40-140	1		50
Benzo(a)anthracene	85		81		40-140	5		50
Benzo(a)pyrene	76		73		40-140	4		50
Benzo(b)fluoranthene	88		83		40-140	6		50
Benzo(k)fluoranthene	83		80		40-140	4		50
Chrysene	83		79		40-140	5		50
Acenaphthylene	86		84		40-140	2		50
Anthracene	89		87		40-140	2		50
Benzo(ghi)perylene	87		84		40-140	4		50
Fluorene	89		86		40-140	3		50
Phenanthrene	91		88		40-140	3		50
Dibenzo(a,h)anthracene	90		86		40-140	5		50
Indeno(1,2,3-cd)pyrene	89		85		40-140	5		50
Pyrene	86		86		35-142	0		50
Biphenyl	91		87		37-127	4		50
4-Chloroaniline	79		73		40-140	8		50
2-Nitroaniline	94		91		47-134	3		50
3-Nitroaniline	75		73		26-129	3		50
4-Nitroaniline	84		84		41-125	0		50
Dibenzofuran	92		89		40-140	3		50
2-Methylnaphthalene	86		84		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								
1,2,4,5-Tetrachlorobenzene	85		81		40-117	5		50
Acetophenone	90		88		14-144	2		50
2,4,6-Trichlorophenol	84		83		30-130	1		50
p-Chloro-m-cresol	98		97		26-103	1		50
2-Chlorophenol	90		87		25-102	3		50
2,4-Dichlorophenol	89		88		30-130	1		50
2,4-Dimethylphenol	91		92		30-130	1		50
2-Nitrophenol	83		81		30-130	2		50
4-Nitrophenol	100		99		11-114	1		50
2,4-Dinitrophenol	55		54		4-130	2		50
4,6-Dinitro-o-cresol	85		83		10-130	2		50
Pentachlorophenol	85		87		17-109	2		50
Phenol	89		88		26-90	1		50
2-Methylphenol	94		91		30-130.	3		50
3-Methylphenol/4-Methylphenol	98		96		30-130	2		50
2,4,5-Trichlorophenol	90		88		30-130	2		50
Carbazole	92		90		54-128	2		50
Atrazine	87		86		40-140	1		50
Benzaldehyde	83		81		40-140	2		50
Caprolactam	84		82		15-130	2		50
2,3,4,6-Tetrachlorophenol	86		88		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	96		98		25-120
Phenol-d6	100		99		10-120
Nitrobenzene-d5	87		84		23-120
2-Fluorobiphenyl	88		86		30-120
2,4,6-Tribromophenol	94		94		10-136
4-Terphenyl-d14	89		88		18-120

METALS

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY
Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.702		mg/kg	0.431	0.090	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Barium, Total	6.08		mg/kg	0.431	0.075	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Cadmium, Total	0.095	J	mg/kg	0.431	0.042	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Chromium, Total	2.35		mg/kg	0.431	0.041	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Lead, Total	1.30	J	mg/kg	2.15	0.115	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.070	0.046	1	12/16/21 08:10	12/17/21 07:42	EPA 7471B	1,7471B	AC
Selenium, Total	ND		mg/kg	0.861	0.111	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.431	0.122	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY
Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.93		mg/kg	0.521	0.108	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Barium, Total	9.83		mg/kg	0.521	0.091	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Cadmium, Total	0.151	J	mg/kg	0.521	0.051	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Chromium, Total	3.53		mg/kg	0.521	0.050	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Lead, Total	2.49	J	mg/kg	2.60	0.140	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.084	0.055	1	12/16/21 08:10	12/17/21 07:46	EPA 7471B	1,7471B	AC
Selenium, Total	0.245	J	mg/kg	1.04	0.134	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.521	0.147	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY
Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.936		mg/kg	0.466	0.097	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Barium, Total	6.99		mg/kg	0.466	0.081	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Cadmium, Total	0.126	J	mg/kg	0.466	0.046	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Chromium, Total	2.81		mg/kg	0.466	0.045	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Lead, Total	1.67	J	mg/kg	2.33	0.125	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.076	0.050	1	12/16/21 08:10	12/17/21 07:49	EPA 7471B	1,7471B	AC
Selenium, Total	ND		mg/kg	0.931	0.120	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.466	0.132	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY
Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.732		mg/kg	0.420	0.087	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Barium, Total	4.16		mg/kg	0.420	0.073	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Cadmium, Total	0.109	J	mg/kg	0.420	0.041	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Chromium, Total	3.07		mg/kg	0.420	0.040	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Lead, Total	1.23	J	mg/kg	2.10	0.113	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.067	0.044	1	12/16/21 08:10	12/17/21 07:52	EPA 7471B	1,7471B	AC
Selenium, Total	ND		mg/kg	0.841	0.108	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.420	0.119	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-05 Batch: WG1583092-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-05 Batch: WG1583094-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/16/21 08:10	12/17/21 06:56	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1583092-2 SRM Lot Number: D113-540								
Arsenic, Total	95		-		70-130	-		
Barium, Total	90		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Chromium, Total	93		-		70-130	-		
Lead, Total	92		-		72-128	-		
Selenium, Total	92		-		66-134	-		
Silver, Total	94		-		70-131	-		
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1583094-2 SRM Lot Number: D113-540								
Mercury, Total	70		-		60-140	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583092-3 QC Sample: L2166399-01 Client ID: MS Sample												
Arsenic, Total	6.01	10.5	10.7	**44**	Q	-	-		75-125	-		20
Barium, Total	28.9	176	111	**47**	Q	-	-		75-125	-		20
Cadmium, Total	0.487	4.66	2.47	**42**	Q	-	-		75-125	-		20
Chromium, Total	8.66	17.6	14.9	**36**	Q	-	-		75-125	-		20
Lead, Total	10.2	46.6	28.0	**38**	Q	-	-		75-125	-		20
Selenium, Total	0.947	10.5	6.18	**50**	Q	-	-		75-125	-		20
Silver, Total	ND	26.4	15.8	**60**	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583094-3 QC Sample: L2166399-01 Client ID: MS Sample												
Mercury, Total	ND	0.141	0.179	**127**	Q	-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583092-4 QC Sample: L2166399-01 Client ID: DUP Sample						
Arsenic, Total	6.01	4.78	mg/kg	**23**	Q	20
Barium, Total	28.9	24.2	mg/kg	18		20
Cadmium, Total	0.487	0.489	mg/kg	0		20
Chromium, Total	8.66	8.42	mg/kg	3		20
Lead, Total	10.2	10.4	mg/kg	2		20
Selenium, Total	0.947	0.887	mg/kg	7		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583094-4 QC Sample: L2166399-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: SILVESTRI
Project Number: 321

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2166611
Report Date: 12/17/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583092-6 QC Sample: L2166399-01 Client ID: DUP Sample						
Barium, Total	28.9	40.5	mg/kg	**40**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-01
Client ID: SB-2
Sample Location: ALBANY, NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	12/09/21 13:39	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.8		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY

Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY

Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1581131-1 QC Sample: L2167270-01 Client ID: DUP Sample						
Solids, Total	76.0	80.7	%	6		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1581234-1 QC Sample: L2167249-08 Client ID: DUP Sample						
Solids, Total	23.9	24.1	%	1		20

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166611-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2166611-01X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-01Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-01Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-02A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-02C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2166611-02D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-02X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-02Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-02Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-03A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-03C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2166611-03D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-03X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-03Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-03Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-04A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166611-04C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2166611-04D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-04X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-04Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-04Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-05A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-05B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-05C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2166611-05D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-05X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-05Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-05Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 12/4/21

ALPHA Job #: L2166611

Client Information
Client: HENNESSY
Address: PO Box 118
121 86
Phone: 518 813 3597
Fax:
Email: b.lle@hennessyec.com

Project Information
Project Name: SILVESTRI
Project Location: ALBANY NY
Project #: 321.
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
VOCs 8260 | SVOCs 8270 | 5 RCRA metals

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	5 RCRA metals	Sample Specific Comments
6611	SB-2,3,5,6,7	12-3-21	VARIES	SOIL	MA	X			
	SB-3,5,6,7	"	"	"	"		X	X	

Container Type: G G G
Preservative: A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/3/21 1515		12-3-21 1517
AAL	12-3-21 1520		12/4/21 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)