SITE INSPECTION REPORT
FOR
BROADWAY DRY CLEANING (REM#01916)
490 BROADWAY
BANGOR, MAINE

EPA ID NO. MEN000153382

SITE INSPECTION

Prepared for:

U.S. Environmental Protection Agency
Region I
Superfund and Emergency Management Division
Boston, MA 02109-3912

Submitted June 29, 2022, rev February 15, 2023 by the Maine DEP:

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1.0 INTRODUCTION

Utilizing funding from an Environmental Protection Agency (EPA) Pre-Remedial Grant (FAIN 96199301), the Maine Department of Environmental Protection (ME DEP) performed a Site Inspection (SI) of the Broadway Dry Cleaning, located in Bangor, Maine (#REM01916). Tasks were conducted in accordance with a scope of work prepared by Beacon Environmental Consultants, LLC. A Phase I Environmental Site Assessment (ESA) for the Broadway Dry Cleaning site was completed by Summit Environmental Consultants, Inc. in August 2010.

Background information used in the generation of this report was obtained through file searches conducted at EPA, Maine DEP, telephone interviews with town officials, conversations with persons knowledgeable of the Broadway Dry Cleaning, and conversations with other Federal, State, and local agencies.

This report follows the guidelines developed under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended, commonly referred to as Superfund. However, these documents do not necessarily fulfill the requirements of other EPA Region I regulations such as those under the Resource Conservation and Recovery Act (RCRA) or other Federal, State, or local regulations. SIs gather information to support a site decision regarding the need for further Superfund action. They are limited efforts and are not intended to supersede more detailed investigations.

The street address, coordinates, and contaminant locations presented in this report identify the general area in which the site is located. They represent one or more locations EPA considers to be part of the site based upon the screening information collected or generated in the course of this, or previous investigation(s). The EPA Superfund Pre-Remedial program is designed to identify "releases or threats of releases" of hazardous substances, and the focus of this investigation is on the release(s) or potential release(s), rather than precisely delineated site boundaries. A site is defined under the EPA Superfund Pre-Remedial program as where a hazardous substance has been "deposited, stored, placed, or otherwise come to be located." EPA anticipates that the preliminary description of site boundaries will be refined as more information is developed regarding where the contamination has come to be located.

2.0 SITE DESCRIPTION

The Site is approximately 0.61 acres, located at 490 Broadway in the City of Bangor, Maine. The Site is identified by the City of Bangor's Assessor's Office as Lot 84 on Tax Map 37. One 7,048 square foot concrete and mortar building is on the property. The building is currently being used for storage by Mr. Paul Baron, the property owner.

The Site is located at 490 Broadway in a commercial/residential area of Bangor.

The historic usage of the property as a dry cleaner, as well as information and data obtained from the MEDEP and other environmental database and municipal records suggests there is the potential that chemical compounds associated with dry cleaning may have been released to the environment.

Latitude: 44.818025 N, 44° 49' 5'' N
Longitude: -68.774498 W, -68° 46' 28' W

3.0 OWNERSHIP, OPERATIONAL AND REGULATORY HISTORY

According to the Phase I ESA completed by Summit, the property being assessed was developed in 1945 with the current building and was utilized as a bus garage and maintenance facility. From 1950 through 1973, the property was used as a dry cleaner. From 1973 until approximately 2008, the property was used as the base of operations for Town Taxi. A redemption center occupied the building from the mid-2000s until 2018.

Based on the historical usage of the property as a dry cleaner, as well as information and analytical data obtained from the MEDEP in 2018 and environmental database records, there is the potential that tetrachloroethene (also referred to as perchloroethylene [PCE]) and trichloroethylene (TCE) may have been released to the environment. Released concentrations of chlorinated solvents, mainly PCE and TCE, in soil or groundwater may impose health risks in indoor air environments. If PCE or other dry cleaning volatile organic compounds (VOCs) were historically released to the environment at the dry cleaner property, vapors could volatilize and migrate from the property along utility corridors and subsequently migrate into neighboring buildings. Chemicals volatilize from impacted soil and or groundwater beneath a building and diffuse toward regions of lower chemical concentration (like the ambient atmosphere, utility conduits, or basements). Soil gas can flow into a building due to several factors, including barometric pressure changes (advection), wind load, thermal currents, temperature changes, or depressurization from building exhaust fans. Figure 3 illustrates the relationships among the elements of the Conceptual Site Model (CSM) for the Site, including the sources, release mechanisms, pathways, and receptors.

4.0 WASTE CHARACTERISTICS AND CONCEPTUAL SITE MODEL

The property was potentially a former dry cleaner. A MEDEP investigation determined that chlorinated compounds were present within soil gas around the structure. VOCs are a potential COC in connection with the area and downgradient thereof in soil and/or groundwater.

TABLE 1
SITE CONCEPTUAL MODEL

SITE CONCEPTUAL MODEL SUMMARY	
POSSIBLE SOURCE AREAS	Site-wide Considerations
CONTAMINANTS OF CONCERN	Soil • Extractable Petroleum Hydrocarbons (EPH) • Volatile Petroleum Hydrocarbons (VPH) • Volatile Organic Compounds (VOCs) Groundwater • Extractable Petroleum Hydrocarbons (EPH) • Volatile Petroleum Hydrocarbons (VPH) • Volatile Organic Compounds (VOCs) Soil Gas • Air Petroleum Hydrocarbons (APH) • VOCs
POTENTIAL MEDIA AFFECTED	Soil, Groundwater, and Soil Vapor
POTENTIAL EXPOSURE ROUTES	Exposure pathways for contamination in soil: • Direct contact for site workers • Inhalation of fugitive emissions (dust) during site use Exposure pathways for contamination in groundwater • Direct contact for site workers Exposure pathways for contamination in soil gas • Inhalation of impacted soil gas
POTENTIAL MIGRATION PATHWAYS	Migration pathways for contaminants: • Wind transport of dust (if impacted). • Groundwater transport (if impacted). • Vapor transport (if impacted).
RECEPTORS	For soil, soil gas, and groundwater, potential receptors include site workers during excavation/site work. For soil, potential receptors include future site occupants if impacted surficial soil is discovered. For soil vapor, potential receptors include future site occupants, if impacted soil gas is discovered.

4.0 WASTE SAMPLING

No waste samples were collected during this investigation as no waste was present.

5.0 GROUNDWATER MIGRATION PATHWAY

Based on a review of the Surficial Geologic Map of the Bangor Quadrangle, Maine Map (Kent M. Syverson and Andrew H. Thompson, 2011), surficial soils at the Site are identified as till deposits (Pt). Till deposits are comprised of loose to very compact, poorly sorted, massive to weakly stratified mixture of sand, silt, and gravel-size rock debris deposited by glacial ice.

Based on a review of the Bedrock Geologic Map of the Bangor Quadrangle, Maine (Stephen G. Pollock, 2011), the Site is underlain by the Lover's Leap Member of the Bangor Formation (Sbl). This member is comprised by Silurian-aged dark gray to grayish black siltstone slate with laminae and very thin beds of very fine-grained quartz-rich sandstone.

According to the Significant Sand & Gravel Aquifers of the Bangor Quadrangle, Maine Map (Lauren E. Foster and Troy T. Smith, 2008) the Site is not located within a significant sand and gravel aquifer.Public

Water Supply Map and Groundwater Use: The Maine Department of Health and Human Services water

supply database was reviewed. The Site is not within a source water protection area or the wellhead protection area of a public water supply well.

Table 2 summarizes the public groundwater supply sources within 4-radial miles of the Broadway Dry Cleaning.

Table 2
Public Groundwater Supply Sources Within 4-Radial Miles of Broadway Dry Cleaning

Distance/Direction from Site	Source Name	Location of Source[a]	Estimated Population Served	Source Type[b]
1-2 miles	Oak Grove Spring Water Company	Brewer	0	Overburden, 26 ft
2-3 miles	Pray's Mobile Home Park	Bangor	183	Overburden, 121 ft
3-4 miles	Evergreen Mobile Home Park	Brewer	25	Bedrock, 65'
3-4 miles	Paul Bunyon Camp Ground	Bangor	220	Overburden, 176'

5.1 DRINKING WATER SAMPLE LOCATIONS

No drinking water wells were sampled as a portion of this site assessment based on the distance from the subject property.

5.2. ATTRIBUTION AND DRINKING WATER RECEPTORS

No drinking water receptors were identified that could be impacted by this site.

6.0 SURFACE WATER MIGRATION PATHWAY

There is no surface water on the site. The highest portion of the Site is along the northeastern property boundary and Surface drainage from the Site generally flows from northeast to southwest. The closest surface water to the site is the Kenduskeag Stream which follows approximately one mile where it merges with the Penobscot River. There are no known sensitive environments or wetland frontage along the 15-mile downstream pathway.

Table 3 summarizes the surface water body characteristics located along the 15-mile downstream pathway.

Table 3
Surface Water Bodies Along the 15-Mile Downstream Pathway from Broadway Dry Cleaning

Surface Water Body	Descriptor[a]	Length of Reach	Flow Characteristics (cfs)[b]	Length of Wetland Frontage (miles)
Kenduskeag Stream	Small stream	~ 1 mile	Unknown	None
Penobscot River	River	15+ miles	Unknown	None

[a] Small to moderate stream 10-100 cfs. Moderate to large stream >100-1,000 cfs.
[b] Cubic feet per second.

6.1 SURFACE WATER SAMPLING LOCATIONS

No surface water samples were collected during this investigation.

6.2 ATTRIBUTION AND SURFACE WATER RECEPTORS

No surface water receptors were identified.

7.0 GROUNDWATER EXPOSURE PATHWAY

7.1 GROUNDWATER PATHWAY SAMPLE LOCATIONS

Groundwater Sampling

Groundwater sampling was completed by installing one temporary 1" piezometer at borings B-02 and a pore water sampler into the soil beneath the concrete slab. Once the piezometer/pore water sampler was installed, they were purged for up to 30 minutes with a peristaltic pump and tubing in an effort to develop and remove silt from within the piezometer prior to sampling. The piezometer/pore water sampler was sampled immediately following development. Samples were collected for submission to Alpha from each of the locations for VOCs, VPH ranges, and EPH compounds and ranges with a duplicate sample from MW-02 being labeled MW-11 and submitted for the same analyses.

Beacon completed a groundwater survey using an arbitrary datum point on the property. Based on this survey, groundwater was determined to have a southwesterly flow on the property.

Table 4
Groundwater Sample Summary Broadway Dry Cleaning

Sample ID	Sample Location	Sample Depth (feet bgs)	Sample Description
MW-02	S of building	~4	
MW-11	S of building	~4	Duplicate of MW-02
Subslab	Beneath building	~1	

7.2 GROUNDWATER PATHWAY ANALYTICAL RESULTS

Groundwater samples collected from monitoring wells MW-02 its duplicate MW-11 had detections for VOCs and VPH ranges. The concentration for vinyl chloride from these samples was elevated above the MEDEP RAGS for both Residential and Construction Worker Scenarios. The groundwater sample from SUBSLAB had detections for VOCs but was non-detect for VPH ranges and EPH compounds and ranges. The detections for VOCs were below both the Residential and Construction Worker scenarios. See Table 5 Attached.

7.3 ATTRIBUTION AND GROUNDWATER PATHWAY RECEPTORS

Groundwater results from the location to the southwest of the building were above the Residential and Construction Worker RAGs for vinyl chloride (a breakdown component of PCE).

8.0 SOIL EXPOSURE PATHWAY

8.1 SOIL PATHWAY SAMPLE LOCATIONS

Geoprobe Borings and Soil Sampling

Geoprobe borings were completed by EPI on September 28, 2021 in ten (10) locations using a Geoprobe 6712DT track-mounted rig. Borings were completed to 10' or 15' BGS based on field conditions. Soil samples were field screened for volatile organics using a MiniRae 3000 PID and using Oleophilic Dye Shake Test kits. PID results ranged from non-detect to 248.5 ppm.

Samples were collected from B-01 (5-6'), B-03 (1-3'), and B-02 (5-6'). A duplicate of B-03 was collected and named B-11 (1-3'). These samples were based on visual observations and PID responses. These samples were submitted to Alpha Analytical Laboratory (Alpha) of Westboro, Massachusetts for analysis.

Hand Auger Soil Sampling

Hand auger sampling was completed using an AMS hand auger with a 1 ½" bucket to a depth of 3' BGS. Soil samples were collected for PID readings and screened with a PPB RAE.

Table 6
Soil Sample Summary Broadway Dry Cleaning

Sample ID	Sample Location	Sample Depth (feet bgs)	Sample Description
B-01	W of building	5-6	248.5 ppmv
B-02	S of building	5-6	15.6 ppmv
B-03	W of building	2-3	2.3 ppmv,
B-11	W of building	4-5	2.3 ppmv duplicate of B-03

Subsurface conditions on the property were identified as sand and gravel fill to a depth of ~2 feet BGS where glaciomarine silty-clay was encountered. A transition from silty-clay to sand was observed at an approximate depth of 8' BGS to boring completion. Refusal (presumed bedrock) was not encountered in borings.

Sub Slab Soil Vapor Sampling

Beacon utilized a hammer drill to penetrate the concrete slab within the building. Beacon then inserted ¼" Teflon tubing and the hole was sealed with modeling clay. Once this tubing was connected, Beacon took PID readings using a MiniRae PPB PID and oxygen, carbon dioxide, and lower explosive limit (LEL) readings with an Eagle Four-Gas Meter to evaluate whether the seal was effectively isolating ambient air from sub-slab vapor. Beacon then connected two 2.7-liter SUMMA canisters connected by a splitter to two 30-minute flow controller at the location.

Sub slab soil vapor was sampled from SSV-01 with a duplicate labeled SSV-02 and submitted them to Alpha of Mansfield, Massachusetts for analysis of APH and VOCs by TO-15.

Beacon utilized a hammer drill to penetrate the concrete slab within the basement of the Tri-City Pizza building and residences at 14 Lemist Street, 20 Earle Avenue, 31 Earle Avenue. Beacon then inserted ¼" Teflon tubing and the hole was sealed with modeling clay. Once this tubing was connected, Beacon took PID readings using a MiniRae PPB PID and oxygen, carbon dioxide, and lower explosive limit (LEL) readings with an Eagle Four-Gas Meter to evaluate whether the seal was effectively isolating ambient air from sub-slab vapor. Beacon then connected one 2.7-liter SUMMA canisters with a 30-minute flow controller to the tubing. For the location at 31 Earle Avenue, Beacon connected two 2.7-liter SUMMA canisters connected by a splitter to two 30-minute flow controller.

Soil Vapor Sampling

Soil vapor samples were either collected using a pore water sampler inserted into the ground or by EPI utilizing the Geoprobe to drive a soil vapor point and then pulling the tooling back one foot to expose the screen. Sample depths were as follows: HA-05 (3'), HA-04 (3'), HA-07 (3'), SV-06 (3'), SV-03 (3'), SV-01 (3'), SV-02 (3'), HA-09 (3'), and HA-01 (3'). Beacon then connected ¼" Teflon tubing and the tooling was sealed with bentonite at the top and at the ground surface. Prior to connect the tubing, ambient samples were collected in the area of the SUMMA canister using an Eagle Four Gas Meter and a MiniRae PPB PID. Once this tubing was connected, Beacon took PID readings using a MiniRae PPB PID and oxygen, carbon dioxide, and lower explosive limit (LEL) readings with an Eagle Four-Gas Meter to evaluate whether the seal was effectively isolating ambient air from sub-slab vapor. Beacon then connected one 2.7-liter SUMMA canister with a 30-minute flow controller at the location.

Soil vapor was sampled from, HA-04, HA-05, HA-07, HA-09, SV-01, SV-02, SV-03, and SV-06 and submitted them to Alpha of Mansfield, Massachusetts for analysis of APH and VOCs by TO-15.

Table 7
Soil Vapor and Indoor Air Sample Summary Broadway Dry Cleaning

Sample ID	Sample Location	Sample Depth	Sample Description
HA-04	N of building	3’	8500 ppbv
HA-05	N of building	3’	2300 ppbv
HA-07	W of building	3’	8100 ppbv
SV-01	W of building	3’	17500 ppbv
SV-02	S of building	3’	900 ppbv
SV-03	W of building	3’	1100 ppbv
SV-06	E of building	3’	200 ppbv, within sewer line corridor
SSV-01	Sub slab in building	10”	500 ppbv
SSV-02	Sub slab in building	10”	500 ppbv – duplicate of SSV-01
SSV-101	Sub slab in Lazy Bones	8”	2,300 ppbv
SSV-102	Sub slab in Lazy Bones	8”	2,300 ppbv - duplicate of SSV-101
SSV-103	Sub slab in basement of 14 Lemist	8”	25 ppbv
SSV-104	Sub slab in basement of 31 Earle	6”	3000 ppbv
SSV-107	Sub slab in basement of 31 Earle	6”	3000 ppbv
SSV-105	Sub slab in basement of 30 Earle	8”	21 ppbv
SSV-106	Sub slab in basement of 422 Center	4”	20 ppbv

8.2 SOIL PATHWAY ANALYTICAL RESULTS

Soil samples collected and analyzed for B-01, B-02, B-03, (and its duplicate B-11), and SUBSLAB had detections of for VOCs and EPH ranges and compounds. Additionally, soil samples from B-01 and B-02 had detections for VPH ranges. Soil samples from HA-06 and SUBSLAB had detections for PCE. None of these detections were above the MEDEP RAGs for Residential, Park User, Commercial, or Construction Worker scenarios. See **Table 8** for soil analytical results.

Sub Slab Soil Vapor

Sample results from the sub slab soil vapor location (SSV-01) and its duplicate (SSV-02) reported concentrations for VOCs and petroleum hydrocarbons. The sample was a sub slab soil vapor sample, therefore; the MEDEP Indoor Air Remedial Action Guidelines (RAGs) are not directly comparable. As such, the MEDEP has approved guidance to divide the MERAGs by 0.03 before comparing the results to the RAGs. Applying this attenuation factor to the reported results, the results for PCE were above Residential RAGs and the results for trichloroethylene (TCE) were above both the Residential and Commercial scenarios.

See **Table 9** for sub slab soil vapor results.

Soil Vapor

Sample results from the all of the soil vapor locations reported concentrations for VOCs and petroleum hydrocarbons. The samples were soil vapor samples, therefore; the MEDEP Indoor Air Remedial Action Guidelines (RAGs) are not directly comparable. As such, the MEDEP has approved guidance to divide the MERAGs by 0.03 before comparing the results to the RAGs. Applying this attenuation factor to the reported results, the results for 1,3-butadiene were above the guidance concentrations for Residential Scenarios for samples SV-01 and SV-03, for chloroform in HA-01, and for 1,3,5-trimethylbenzene, ethylbenzene, trichloroethylene, and naphthalene in SV-01. The concentrations reported for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene at location SV-01 were above both the Residential and Commercial scenarios. The remaining samples had detected concentrations below the RAGs for both Residential and Commercial scenarios. The highest concentrations of tetrachloroethylene were detected in samples SV-01 and SV-02 which were located adjacent to the southwest corner of the building within the former UST graves. See **Table 9** for soil vapor results.

8.3 ATTRIBUTION AND SOIL PATHWAY RECEPTORS

Detections for VOCs, VPH ranges, and EPH ranges and compounds for soil samples were below the Residential, Park User, Commercial Worker and Construction Worker RAGs.

Detections of petroleum and volatile organic compounds were found in the sub slab soil vapor and soil vapor samples. the results for 1,3-butadiene were above the MEDEP attenuation factor guidance concentrations for Residential Scenarios for samples SV-01 and SV-03, for chloroform in HA-01, and for 1,3,5-trimethylbenzene, ethylbenzene, trichloroethylene, and naphthalene in SV-01. The concentrations reported for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene at location SV-01 were above both the Residential and Commercial. The remainder of the results from the soil vapor and subslab samples were below the MEDEP attenuation factor for Indoor Air in Residential and Commercial scenarios.

9.0 AIR MIGRATION PATHWAY

Due to the nature of this site, limitations on the scope of this phase of investigations, the potential contamination, air migration pathways were not considered a significant risk and therefore were not investigated. There are no known sensitive environments within a 4-mile radius that are suspected to be influenced by potential contamination of this site. Indoor air sampling of the currently vacant site building may be completed at a future date.

Table 10 summarizes the estimated population within 4-radial miles of Broadway Dry Cleaning.

Table 10
Estimated Population Within 4-Radial Miles of Broadway Dry Cleaning

Radial Distance from Broadway Dry Cleaning (miles)	Estimated Population
On Site	0
> 0.00 to 0.25	580
> 0.25 to 0.50	1688
> 0.50 to 1.00	8,650
> 1.00 to 2.00	10,488
> 2.00 to 3.00	28,566
> 3.00 to 4.00	18,898
TOTAL	68,870

9.1 AIR PATHWAY SAMPLE LOCATIONS

N/A

9.2 AIR PATHWAY ANALYTICAL RESULTS

N/A

9.3 ATTRIBUTION AND AIR PATHWAY RECEPTORS

N/A

10.0 DATA QUALITY

10.1 DATA QUALITY ASSESSMENT

The laboratory reported the following Quality Assurance and/or Quality Control (QA/QC) issues:

Lab Report L2152556:

Volatile Organics

L2152556-04D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (132%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Lab Report L2146482

Volatile Organics in Air

L2152622-01D,03D,10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2152622-05D,06D,07D,09D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-08D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-05,08D,09D: 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.

WG1553518-5D: The relative percent difference for propylene (28%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected; therefore, no further action was taken.

Petroleum Hydrocarbons in Air

L2152622-01D, -03D, and -10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2152622-01 through -11: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

L2152622-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2152622-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2152622-08D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-09D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

<u>Lab Report L2208416:</u>

Volatile Organics

L2208416-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2208416-02D2: 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.

L2208416-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2208416-03D: 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.

Petroleum Hydrocarbons in Air

L2208416-01D through -03: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

L2208416-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Lab Report L2209911

Volatile Organics in Air

Petroleum Hydrocarbons in Air

L2209911-01 and -02: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

10.2 DATA QUALITY OBJECTIVES

Based on our review, the data is determined to be acceptable and we believe MEDEP can rely on this data to make decisions.

11.0 SUMMARY & CONCLUSIONS

Detections for VOCs, VPH ranges, and EPH ranges and compounds for soil samples were below the Residential, Park User, Commercial Worker and Construction Worker RAGs.

Groundwater results from the location to the southwest of the building were above the Residential and Construction Worker RAGs for vinyl chloride (a breakdown component of PCE).

Detections of petroleum and volatile organic compounds were found in the sub slab soil vapor and soil vapor samples. the results for 1,3-butadiene were above the MEDEP attenuation factor guidance concentrations for Residential Scenarios for samples SV-01 and SV-03, for chloroform in HA-01, and for 1,3,5-trimethylbenzene, ethylbenzene, trichloroethylene, and naphthalene in SV-01. The concentrations reported for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene at location SV-01 were above both the Residential and Commercial. The remainder of the results from the soil vapor and subslab samples were below the MEDEP attenuation factor for Indoor Air in Residential and Commercial scenarios.

Conclusion:

There were exceedances above the current Residential and Construction RAGs for vinyl chloride in groundwater near the southwest corner of the site building that were identified in the Phase II ESA

completed in November 2021.

There were exceedances above both the Residential and Commercial RAGs in sub slab soil gas for TCE and for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene to the southwest of the Site building that were identified in the Phase II ESA completed in November 2021. There were also exceedances above the current Residential RAGs for 1,3,5-trimethylbenzene, naphthalene, 1,3-butadiene, ethylbenzene, and trichloroethylene to the southwest of the site building, for 1,3-butadiene and chloroform to the west of the site building and for PCE in the sub slab soil vapor that were identified in the Phase II ESA completed in November 2021.

This assessment did not identify that these exceedances have migrated off-site (abutting properties).

TABLE 5 - GROUNDWATER ANALYTICAL RESULTS BROADWAY
DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID				MW-02		MW-11		SUBSLAB	
SAMPLING DATE				28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID				L2152556-06		L2152556-07		L2152556-08	
	RES	CONST	Units		Qual		Qual		Qual
Volatile Organics by GC/MS									
1,1,1,2-Tetrachloroethane	5.7	620	ug/l	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	8000	29000	ug/l	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.76	90	ug/l	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.42	12	ug/l	**0.75**	U	**0.75**	U	**0.75**	U
1,1-Dichloroethane	28	2200	ug/l	0.75	U	0.75	U	0.75	U
1,1-Dichloroethene	290	390	ug/l	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene			ug/l	1	U	1	U	1	U
1,2,3-Trichlorobenzene	7	2900	ug/l	1	U	1	U	1	U
1,2,3-Trichloropropane	0.0075	2.1	ug/l	**1**	U	**1**	U	**1**	U
1,2,4-Trichlorobenzene	4	140	ug/l	1	U	1	U	1	U
1,2,4-Trimethylbenzene	56	1000	ug/l	5.4		6		1	U
1,2-Dibromo-3-chloropropane	0.0033	1.2	ug/l	**1**	U	**1**	U	**1**	U
1,2-Dibromoethane	0.075	8.7	ug/l	**1**	U	**1**	U	**1**	U
1,2-Dichlorobenzene	300	12000	ug/l	1	U	1	U	1	U
1,2-Dichloroethane	1.7	140	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total			ug/l	0.9		0.98		0.55	
1,2-Dichloropropane	8.3	22	ug/l	1	U	1	U	1	U
1,3,5-Trimethylbenzene	60	1100	ug/l	1.7		2		1	U
1,3-Dichlorobenzene	300	6200	ug/l	1	U	1	U	1	U
1,3-Dichloropropane	370	100000	ug/l	1	U	1	U	1	U
1,3-Dichloropropene, Total	4.7	200	ug/l	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	4.8	400	ug/l	1	U	1	U	1	U
1,4-Dichlorobutane			ug/l	5	U	5	U	5	U
2,2-Dichloropropane			ug/l	1	U	1	U	1	U
2-Butanone	5600	9000	ug/l	5	U	5	U	5	U
2-Hexanone	38	240	ug/l	5	U	5	U	5	U
4-Methyl-2-pentanone	6300	5800	ug/l	5	U	5	U	5	U
Acetone	14000	100000	ug/l	5	U	5	U	5	U
Acrylonitrile	0.52	11	ug/l	**5**	U	**5**	U	**5**	U
Benzene	4.6	350	ug/l	0.5	U	0.5	U	0.5	U
Bromobenzene	62	1200	ug/l	1	U	1	U	1	U
Bromochloromethane	83	600	ug/l	1	U	1	U	1	U
Bromodichloromethane	1.3	130	ug/l	0.5	U	0.5	U	0.5	U
Bromoform	33	5500	ug/l	1	U	1	U	1	U
Bromomethane	7.6	490	ug/l	1	U	1	U	1	U
Carbon disulfide	810	3100	ug/l	1	U	1	U	1	U
Carbon tetrachloride	4.6	700	ug/l	0.5	U	0.5	U	0.5	U
Chlorobenzene	78	2600	ug/l	0.5	U	0.5	U	0.5	U
Chloroethane	21000	16000	ug/l	1	U	1	U	1	U
Chloroform	2.2	170	ug/l	0.75	U	0.75	U	0.75	U
Chloromethane	190	11000	ug/l	2	U	2	U	2	U
cis-1,2-Dichloroethene	35	3700	ug/l	0.9		0.98		0.55	
cis-1,3-Dichloropropene			ug/l	0.5	U	0.5	U	0.5	U
Dibromochloromethane	8.7	53000	ug/l	0.5	U	0.5	U	0.5	U
Dibromomethane	8.3	280	ug/l	1	U	1	U	1	U
Dichlorodifluoromethane	200	5400	ug/l	2	U	2	U	2	U
Ethyl ether	3900	14000	ug/l	1	U	1	U	1	U
Ethyl methacrylate	630	12000	ug/l	5	U	5	U	5	U
Ethylbenzene	15	1400	ug/l	0.67		0.8		0.5	U
Hexachlorobutadiene	1.4	230	ug/l	0.5	U	0.5	U	0.5	U
Isopropylbenzene	450	500	ug/l	0.57		0.7		0.5	U
Methyl tert butyl ether	140	13000	ug/l	1	U	1	U	1	U
Methylene chloride	110	4900	ug/l	3	U	3	U	3	U
n-Butylbenzene	1000	100000	ug/l	0.5	U	0.5	U	0.5	U
n-Propylbenzene	660	4900	ug/l	1.6		1.7		0.5	U
Naphthalene	1.2	19	ug/l	1	U	1	U	1	U
o-Chlorotoluene	240	3300	ug/l	1	U	1	U	1	U
p-Chlorotoluene	250	100000	ug/l	1	U	1	U	1	U
p-Isopropyltoluene			ug/l	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	2000	100000	ug/l	0.74		0.81		0.5	U
Styrene	1200	15000	ug/l	1	U	1	U	1	U
tert-Butylbenzene	690	25000	ug/l	1	U	1	U	1	U
Tetrachloroethene	41	250	ug/l	1.6		1.4		1.4	
Tetrahydrofuran	3400	16000	ug/l	2	U	2	U	2	U
Toluene	1100	24000	ug/l	0.75	U	0.75	U	0.75	U
trans-1,2-Dichloroethene	68	3900	ug/l	0.75	U	0.75	U	0.75	U
trans-1,3-Dichloropropene			ug/l	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	0.013	1	ug/l	***2.5***	U	***2.5***	U	***2.5***	U
Trichloroethene	2.8	12	ug/l	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5200	5900	ug/l	1	U	1	U	1	U
Vinyl acetate	410	180	ug/l	5	U	5	U	5	U
Vinyl chloride	0.19	0.22	ug/l	**0.3**		**0.38**		**0.2**	U
Xylenes, Total	190	2100	ug/l	1.4		1.6		1	U
Volatile Petroleum Hydrocarbons									
C5-C8 Aliphatics, Adjusted	180	960	ug/l	131		122		50	U
C9-C10 Aromatics	71	2700	ug/l	50	U	50	U	50	U
C9-C12 Aliphatics, Adjusted	350	3700	ug/l	73.4		76		50	U
EPH w/Targets via GCMS-SIM									
2-Methylnaphthalene	36	1500	ug/l	0.4	U	0.4	U	0.4	U
Acenaphthene	540	74000	ug/l	0.4	U	0.4	U	0.4	U
Acenaphthylene	520	71000	ug/l	0.4	U	0.4	U	0.4	U

TABLE 5 - GROUNDWATER ANALYTICAL RESULTS BROADWAY
DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID				MW-02		MW-11		SUBSLAB	
SAMPLING DATE				28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID				L2152556-06		L2152556-07		L2152556-08	
Anthracene	1800	100000	ug/l	0.4	U	0.4	U	0.4	U
Benzo(a)anthracene	0.3	470	ug/l	**0.4**	U	**0.4**	U	**0.4**	U
Benzo(a)pyrene	0.25	11000	ug/l	0.2	U	0.2	U	0.2	U
Benzo(b)fluoranthene	2.5	100000	ug/l	0.4	U	0.4	U	0.4	U
Benzo(ghi)perylene	600	100000	ug/l	0.4	U	0.4	U	0.4	U
Benzo(k)fluoranthene	25	100000	ug/l	0.4	U	0.4	U	0.4	U
C11-C22 Aromatics, Adjusted	600	100000	ug/l	100	U	100	U	100	U
C19-C36 Aliphatics	40000	100000	ug/l	100	U	100	U	100	U
C9-C18 Aliphatics	350	3900	ug/l	100	U	100	U	100	U
Chrysene	250	100000	ug/l	0.4	U	0.4	U	0.4	U
Dibenzo(a,h)anthracene	0.25	26000	ug/l	**0.4**	U	**0.4**	U	**0.4**	U
Fluoranthene	800	100000	ug/l	0.4	U	0.4	U	0.4	U
Fluorene	290	100000	ug/l	0.4	U	0.4	U	0.4	U
Indeno(1,2,3-cd)Pyrene	2.5	100000	ug/l	0.4	U	0.4	U	0.4	U
Naphthalene	1.2	19	ug/l	0.4	U	0.4	U	0.4	U
Phenanthrene	180	58000	ug/l	0.4	U	0.4	U	0.4	U
Pyrene	120	36000	ug/l	0.4	U	0.4	U	0.4	U

Sample Results Comparison with MEDEP Remedial Action Guidelines (RAGs) for Groundwater for Residential (RES) and Construction Worker (CONST) Scenarios.

ug/l = micrograms per kilograms

U = Not Detected Above the Laboratory Detection Limit

2	= Laboratory detection limit above the Residential RAG
2.5	= Laboratory detection limit above the Residential and Construction RAG
0.3	= Analytical result above the Residential and Construction RAG

MW-11 is a duplicate of MW-02

TABLE 8 - SOIL SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						B-03 (1-3')		B-11 (1-3')		HA-06		B-01 (5-6')		B-02 (5-6')		SUBSLAB SOIL	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152556-01		L2152556-02		L2152556-03		L2152556-04		L2152556-05		L2152556-09	
	RES	PARK	COMM	CONSTR	Units		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																	
Solids, Total					%	81.7		80.5		78.6		79.6		77.8		83.2	
Volatile Organics by EPA 5035																	
1,1,1,2-Tetrachloroethane	30	410	130	480	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,1,1-Trichloroethane	640	640	640	640	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,1,2,2-Tetrachloroethane	8.9	88	39	150	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,1,2-Trichloroethane	2.2	49	9.4	13	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,1-Dichloroethane	53	980	230	850	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,1-Dichloroethene	340	1100	1200	200	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,1-Dichloropropene					mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,2,3-Trichlorobenzene	86	240	1300	2700	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,2,3-Trichloropropane	0.07	0.2	1.5	4.3	mg/kg	0.0084	U	0.0072	U	0.0022	U	**0.71**	U	0.0026	U	0.0036	U
1,2,4-Trichlorobenzene	86	360	380	400	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,2,4-Trimethylbenzene	180	200	220	220	mg/kg	0.0084	U	0.0072	U	0.0022	U	48		0.0042		0.0036	U
1,2-Dibromo-3-chloropropane	0.078	1.5	0.96	3.5	mg/kg	0.013	U	0.011	U	0.0033	U	**1.1**	U	0.0039	U	0.0054	U
1,2-Dibromoethane	0.54	6.8	2.4	8.9	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,2-Dichlorobenzene	360	370	380	380	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,2-Dichloroethane	6.9	110	30	110	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,2-Dichloroethene, Total					mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,2-Dichloropropane	23	420	99	14	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,3,5-Trimethylbenzene	160	170	180	180	mg/kg	0.0084	U	0.0072	U	0.0022	U	2.8		0.0026	U	0.0036	U
1,3-Dichlorobenzene	290	290	300	300	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,3-Dichloropropane	2100	6100	32000	68000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,3-Dichloropropene, Total	27	210	120	120	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,4-Dichlorobenzene	39	770	170	620	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,4-Dichlorobutane					mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
2,2-Dichloropropane					mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
2-Butanone	20000	25000	28000	11000	mg/kg	0.042		0.075		0.011	U	3.6	U	0.013	U	0.018	U
2-Hexanone	290	1000	2000	300	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
4-Methyl-2-pentanone	3400	3400	3400	3300	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Acetone	52000	81000	100000	98000	mg/kg	0.22		0.36		0.028	U	3.6	U	0.032	U	0.045	U
Acrylonitrile	3.7	34	17	14	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Benzene	17	230	75	240	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Bromobenzene	380	530	650	620	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Bromochloromethane	220	4000	940	330	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Bromodichloromethane	4.4	83	19	70	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Bromoform	280	720	790	890	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Bromomethane	10	160	45	120	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Carbon disulfide	690	720	740	720	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Carbon tetrachloride	9.7	150	43	160	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
Chlorobenzene	410	680	740	740	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Chloroethane	2100	2100	2100	2000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Chloroform	4.7	97	21	75	mg/kg	0.0063	U	0.0054	U	0.0016	U	0.54	U	0.0019	U	0.0027	U
Chloromethane	160	1300	690	1300	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
cis-1,2-Dichloroethene	200	480	1400	1400	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
cis-1,3-Dichloropropene					mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Dibromochloromethane	110	320	530	3000	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U

TABLE 8 - SOIL SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						B-03 (1-3')		B-11 (1-3')		HA-06		B-01 (5-6')		B-02 (5-6')		SUBSLAB SOIL	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152556-01		L2152556-02		L2152556-03		L2152556-04		L2152556-05		L2152556-09	
	RES	PARK	COMM	CONSTR	Units		Qual		Qual		Qual		Qual		Qual		Qual
Dibromomethane	35	800	150	190	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Dichlorodifluoromethane	130	830	550	730	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Ethyl ether	21000	61000	100000	8100	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Ethyl methacrylate	1100	1100	1100	830	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Ethylbenzene	86	400	380	470	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
Hexachlorobutadiene	15	16	16	17	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Isopropylbenzene	260	270	270	270	mg/kg	0.0042	U	0.0036	U	0.0011	U	1.4		0.0013	U	0.0018	U
Methyl tert butyl ether	690	5600	3000	8200	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Methylene chloride	490	1200	2500	1900	mg/kg	0.021	U	0.018	U	0.0055	U	1.8	U	0.0065	U	0.009	U
n-Butylbenzene	5400	15000	80000	34000	mg/kg	0.0042	U	0.0036	U	0.0011	U	4.8		0.0013	U	0.0018	U
n-Propylbenzene	260	260	260	260	mg/kg	0.0042	U	0.0036	U	0.0011	U	5		0.0013	U	0.0018	U
Naphthalene	29	150	120	130	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
o-Chlorotoluene	2100	6100	32000	800	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
p-Chlorotoluene	2100	6100	32000	68000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
p-Isopropyltoluene					mg/kg	0.0042	U	0.0036	U	0.0011	U	4.9		0.0013	U	0.0018	U
sec-Butylbenzene	11000	30000	100000	34000	mg/kg	0.0042	U	0.0036	U	0.0011	U	3.9		0.0026		0.0018	U
Styrene	830	860	870	860	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
tert-Butylbenzene	11000	30000	100000	34000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Tetrachloroethene	120	150	160	84	mg/kg	0.0021	U	0.0018	U	0.0016		0.18	U	0.00065	U	0.0012	
Tetrahydrofuran	27000	100000	100000	20000	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Toluene	750	790	810	820	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
trans-1,2-Dichloroethene	100	1400	450	1200	mg/kg	0.0063	U	0.0054	U	0.0016	U	0.54	U	0.0019	U	0.0027	U
trans-1,3-Dichloropropene					mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
trans-1,4-Dichloro-2-butene	0.11	2.5	0.48	1.8	mg/kg	0.021	U	0.018	U	0.0055	U	**1.8**	U	0.0065	U	0.009	U
Trichloroethene	6.1	77	28	4.2	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Trichlorofluoromethane	32000	91000	100000	940	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Vinyl acetate	1400	2700	2700	140	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Vinyl chloride	0.64	0.71	24	63	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
Xylenes, Total	260	260	260	260	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.84		0.0013	U	0.0018	U
Volatile Petroleum Hydrocarbons																	
C5-C8 Aliphatics, Adjusted	1700	7500	11000	430	mg/kg	9.04	U	9.94	U	7.63	U	27.2		9.45	U	7.39	U
C9-C10 Aromatics	660	4700	3500	2600	mg/kg	9.04	U	9.94	U	7.63	U	420		9.45	U	7.39	U
C9-C12 Aliphatics, Adjusted	2500	17000	14000	2300	mg/kg	9.04	U	9.94	U	7.63	U	474		12.2		7.39	U
EPH w/Targets via GCMS-SIM																	
2-Methylnaphthalene	330	930	4100	960	mg/kg	0.031	U	0.033	U	0.032	U	0.039		0.033	U	0.031	U
Acenaphthene	4900	14000	62000	48000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Acenaphthylene	4900	14000	45000	48000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Anthracene	25000	70000	100000	100000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Benzo(a)anthracene	16	45	280	1700	mg/kg	0.031	U	0.033	U	0.032	U	0.055		0.033	U	0.031	U
Benzo(a)pyrene	1.6	4.5	29	9.9	mg/kg	0.031	U	0.033	U	0.032	U	0.053		0.033	U	0.031	U
Benzo(b)fluoranthene	16	45	290	1700	mg/kg	0.031	U	0.033	U	0.032	U	0.077		0.04		0.031	U
Benzo(ghi)perylene	2500	7000	23000	72000	mg/kg	0.031	U	0.033	U	0.032	U	0.037		0.033	U	0.031	U
Benzo(k)fluoranthene	160	450	2900	17000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
C11-C22 Aromatics, Adjusted	2600	7300	33000	74000	mg/kg	20.6		23.4		7.99	U	9.96		8.34	U	7.73	U
C19-C36 Aliphatics	100000	100000	100000	100000	mg/kg	27.2		28.5		7.99	U	11.6		8.69		16	
C9-C18 Aliphatics	2500	17000	14000	4800	mg/kg	7.84	U	8.26	U	7.99	U	186		8.34	U	7.73	U
Chrysene	1600	4500	29000	100000	mg/kg	0.031	U	0.033	U	0.032	U	0.055		0.033	U	0.031	U

TABLE 8 - SOIL SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						B-03 (1-3')		B-11 (1-3')		HA-06		B-01 (5-6')		B-02 (5-6')		SUBSLAB SOIL	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152556-01		L2152556-02		L2152556-03		L2152556-04		L2152556-05		L2152556-09	
	RES	PARK	COMM	CONSTR	Units		Qual		Qual		Qual		Qual		Qual		Qual
Dibenzo(a,h)anthracene	1.6	4.5	29	170	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Fluoranthene	3300	9300	41000	24000	mg/kg	0.031	U	0.033	U	0.032	U	0.129		0.072		0.054	
Fluorene	3300	9300	41000	96000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Indeno(1,2,3-cd)Pyrene	16	45	290	1700	mg/kg	0.031	U	0.033	U	0.032	U	0.044		0.033	U	0.031	U
Naphthalene	29	150	120	130	mg/kg	0.031	U	0.033	U	0.032	U	0.429		0.033	U	0.031	U
Phenanthrene	2500	7000	23000	72000	mg/kg	0.031	U	0.033	U	0.032	U	0.082		0.033	U	0.044	
Pyrene	2500	7000	31000	72000	mg/kg	0.031	U	0.033	U	0.032	U	0.105		0.067		0.049	

Notes:
Sample results compared to MEDEP Remedial Action Guidelines (RAGs) for Residential (RES), Park User (PARK), Commercial Worker (COMM), and Construction Worker (CONSTR)
mg/kg = milligrams per kilogram
U = Not detected above the laboratory detection limit

1.1	= Laboratory detection limit above the MEDEP RAG for Residential and Commercial
0.71	= Laboratory detection limit above the MEDEP RAG for Residential and Park User
1.8	= Laboratory detection limit above the MEDEP RAG for Residential, Commercial, and Construction

B-11 is a duplicate of B-03

TABLE 9 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						HA-05		HA-04		HA-07		SV-06		SV-03		SSV-01		SSV-02	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-01		L2152622-02		L2152622-03		L2152622-04		L2152622-05		L2152622-06		L2152622-07	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Volatile Organics in Air by SIM																			
1,1,1-Trichloroethane	5200	173333	22000	733333	ug/m3	0.158	U	0.109	U	0.137	U	0.109	U	0.109	U	1.09	U	2.73	U
1,1,2,2-Tetrachloroethane	0.48	16	2.1	70	ug/m3	0.198	U	0.137	U	0.173	U	0.137	U	0.137	U	1.37	U	3.43	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5200	173333	22000	733333	ug/m3	0.553	U	0.491		0.484	U	0.429		0.475		3.83	U	9.58	U
1,1,2-Trichloroethane	0.21	7	0.88	29.3	ug/m3	0.158	U	0.109	U	0.137	U	0.109	U	0.109	U	1.09	U	2.73	U
1,1-Dichloroethane	18	600	77	2567	ug/m3	0.117	U	0.081	U	0.102	U	0.081	U	0.081	U	0.809	U	2.02	U
1,1-Dichloroethene	210	7000	880	29333	ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	0.793	U	1.98	U
1,2,4-Trichlorobenzene	2.1	70	8.8	293	ug/m3	0.536	U	0.371	U	0.468	U	0.371	U	0.371	U	3.71	U	9.28	U
1,2,4-Trimethylbenzene	63	2100	260	8667	ug/m3	0.639		1.14		0.223		1.74		3.06		1.87		2.46	U
1,2-Dibromoethane	0.047	1.57	0.2	6.7	ug/m3	0.222	U	0.154	U	0.194	U	0.154	U	0.154	U	1.54	U	**3.84**	**U**
1,2-Dichloro-1,1,2,2-tetrafluoroethane					ug/m3	0.505	U	0.349	U	0.441	U	0.349	U	0.349	U	3.49	U	8.74	U
1,2-Dichlorobenzene	210	7000	880	29333	ug/m3	0.174	U	0.12	U	0.152	U	0.12	U	0.12	U	1.2	U	3.01	U
1,2-Dichloroethane	1.1	36.7	4.7	157	ug/m3	0.117	U	0.081	U	0.102	U	0.081	U	0.081	U	0.809	U	2.02	U
1,2-Dichloroethene (total)					ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	3.81		10.5	
1,2-Dichloropropane	4.2	140	18	600	ug/m3	0.134		0.102		0.116	U	0.18		0.092	U	0.924	U	2.31	U
1,3,5-Trimethylbenzene	63	2100	260	8667	ug/m3	0.199		0.305		0.124	U	0.472		0.939		0.983	U	2.46	U
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	0.064	U	0.058		0.056	U	0.1		29.9		0.442	U	1.11	U
1,3-Dichlorobenzene					ug/m3	0.174	U	0.156		0.152	U	0.331		0.367		1.2	U	3.01	U
1,3-Dichloropropene, Total	7	233	31	1033	ug/m3	0.131	U	0.091	U	0.114	U	0.091	U	0.091	U	0.908	U	2.27	U
1,4-Dichlorobenzene	2.6	87	11	367	ug/m3	0.174	U	0.12	U	0.152	U	0.12	U	0.12	U	1.2	U	3.01	U
1,4-Dioxane	5.6	187	25	833	ug/m3	0.519	U	0.36	U	0.454	U	0.36	U	0.36	U	3.6	U	9.01	U
2,2,4-Trimethylpentane					ug/m3	1.35	U	0.934	U	1.18	U	0.934	U	0.934	U	9.34	U	23.4	U
2-Butanone	5200	173333	22000	733333	ug/m3	2.13	U	1.73		1.86	U	3.01		32.7		14.7	U	36.9	U
2-Hexanone	31	1033	130	4333	ug/m3	1.18	U	0.82	U	1.03	U	0.82	U	0.82	U	8.2	U	20.5	U
3-Chloropropene	1	33	4.4	147	ug/m3	0.905	U	0.626	U	0.789	U	0.626	U	0.626	U	6.26	U	15.7	U
4-Ethyltoluene					ug/m3	0.142	U	0.251		0.124	U	0.359		0.733		0.983	U	2.46	U
4-Methyl-2-pentanone	3100	103333	13000	433333	ug/m3	2.96	U	2.05	U	2.59	U	2.05	U	2.05	U	20.5	U	51.2	U
Acetone	32000	1066667	140000	4666667	ug/m3	10		9.15		15.4		17.6		94.3		23.8	U	59.4	U
Benzene	3.6	120	16	533	ug/m3	0.46	U	0.642		0.403	U	0.569		8.95		3.19	U	7.99	U
Benzyl chloride	0.57	19	2.5	83	ug/m3	1.5	U	1.04	U	1.3	U	1.04	U	1.04	U	10.4	U	25.9	U
Bromodichloromethane	0.76	25.3	3.3	110	ug/m3	0.194	U	0.134	U	0.169	U	0.134	U	0.134	U	1.34	U	3.35	U
Bromoform	26	867	110	3667	ug/m3	0.299	U	0.207	U	0.261	U	0.207	U	0.207	U	2.07	U	5.17	U
Bromomethane	5.2	173	22	733	ug/m3	0.112	U	0.078	U	0.098	U	0.078	U	0.078	U	0.777	U	1.94	U
Carbon disulfide	730	24333	3100	103333	ug/m3	0.9	U	0.623	U	0.785	U	0.623	U	43.9		6.23	U	15.6	U
Carbon tetrachloride	4.7	157	20	667	ug/m3	0.527		0.403		0.452		0.189		0.333		1.26	U	3.15	U
Chlorobenzene	52	1733	220	7333	ug/m3	0.663	U	0.461	U	0.58	U	0.461	U	0.461	U	4.61	U	11.5	U
Chloroethane	10000	333333	44000	1466667	ug/m3	0.38	U	0.264	U	0.332	U	0.264	U	0.264	U	2.64	U	6.6	U
Chloroform	1.2	40	5.3	177	ug/m3	0.141	U	2.04		0.228		0.884		0.098	U	0.977	U	2.44	U
Chloromethane	94	3133	390	13000	ug/m3	1.13		0.461		1.08		0.413	U	1.67		4.13	U	10.3	U
cis-1,2-Dichloroethene	830	27667	3500	116667	ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	1.11		2.78	
cis-1,3-Dichloropropene					ug/m3	0.131	U	0.091	U	0.114	U	0.091	U	0.091	U	0.908	U	2.27	U
Cyclohexane	6300	210000	26000	866667	ug/m3	0.995	U	0.688	U	0.867	U	0.688	U	1.81		6.88	U	17.2	U
Dibromochloromethane					ug/m3	0.246	U	0.17	U	0.215	U	0.17	U	0.17	U	1.7	U	4.26	U
Dichlorodifluoromethane	100	3333	440	14667	ug/m3	2.43		2.4		2.28		2.34		5.64		9.89	U	24.7	U
Ethyl Acetate					ug/m3	2.6	U	1.8	U	2.27	U	1.8	U	1.8	U	18	U	45	U
Ethyl Alcohol					ug/m3	13.6	U	9.42	U	11.9	U	19		18.3		94.2	U	236	U
Ethylbenzene	11	367	49	1633	ug/m3	0.338		1.95		0.203		1.58		4.47		1.87		2.5	

TABLE 9 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						HA-05		HA-04		HA-07		SV-06		SV-03		SSV-01		SSV-02	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-01		L2152622-02		L2152622-03		L2152622-04		L2152622-05		L2152622-06		L2152622-07	
Heptane					ug/m3	1.18	U	0.82	U	1.03	U	1.2		7.46		8.2	U	20.5	U
Hexachlorobutadiene	1.3	43	5.6	187	ug/m3	0.77	U	0.533	U	0.673	U	0.533	U	0.533	U	5.33	U	13.3	U
iso-Propyl Alcohol	210	7000	880	29333	ug/m3	1.77	U	1.23	U	1.55	U	1.23	U	1.32		12.3	U	30.7	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	1.04	U	0.721	U	0.909	U	0.721	U	0.721	U	7.21	U	18	U
Methylene chloride	630	21000	2600	86667	ug/m3	2.51	U	1.74	U	2.19	U	1.74	U	7.36		17.4	U	43.4	U
n-Hexane	730	24333	3100	103333	ug/m3	1.02	U	0.705	U	0.888	U	1.19		14.8		7.05	U	17.6	U
Naphthalene	0.83	27.7	3.6	120	ug/m3	0.379	U	0.262	U	0.331	U	0.435		0.388		2.62	U	6.55	U
Propylene					ug/m3	1.24	U	0.861	U	1.09	U	1.24		523		8.61	U	21.5	U
Styrene	1000	33333	4400	146667	ug/m3	0.123	U	0.132		0.107	U	0.128		1.09		0.852	U	2.13	U
Tetrachloroethene	42	1400	180	6000	ug/m3	0.47		76.6		0.773		2.09		0.509		**2090**		**5560**	
Tetrahydrofuran	2100	70000	8800	293333	ug/m3	2.13	U	1.47	U	1.86	U	1.47	U	1.47	U	14.7	U	36.9	U
Toluene	5200	173333	22000	733333	ug/m3	3.55		4.64		0.923		5.77		12.3		9.04		9.42	U
trans-1,2-Dichloroethene	42	1400	180	6000	ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	2.7		7.73	
trans-1,3-Dichloropropene					ug/m3	0.131	U	0.091	U	0.114	U	0.091	U	0.091	U	0.908	U	2.27	U
Trichloroethene	2.1	70	8.8	293	ug/m3	0.155	U	0.161		0.135	U	0.107	U	0.107	U	**495**		**1280**	
Trichlorofluoromethane					ug/m3	1.19		1.17		1.08		1.19		1.03		2.81	U	7.02	U
Vinyl acetate	210	7000	880	29333	ug/m3	5.07	U	3.52	U	4.44	U	3.52	U	3.52	U	35.2	U	88	U
Vinyl bromide	1.9	63	8.2	273	ug/m3	1.26	U	0.874	U	1.1	U	0.874	U	0.874	U	8.74	U	21.9	U
Vinyl chloride	1.7	57	28	933	ug/m3	0.074	U	0.051	U	0.064	U	0.051	U	0.051	U	0.511	U	1.28	U
Xylene (Total)	100	3333	440	14667	ug/m3	1.6		11.7		1.02		8.99		17.2		9.86		13.5	
Petroleum Hydrocarbons in Air																			
1,3-Butadiene	0.94	31	4.1	137	ug/m3	0.7	U	0.5	U	0.65	U	0.5	U	**38**		5	U	12	U
Benzene	3.6	120	16	533	ug/m3	0.84	U	0.75		0.78	U	0.66		10		6	U	15	U
C5-C8 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	22		28		22		66		660		100	U	250	U
C9-C10 Aromatics Total	52	1733	220	7333	ug/m3	14	U	10	U	13	U	10	U	14		100	U	250	U
C9-C12 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	14	U	10	U	13	U	31		130		100	U	250	U
Ethylbenzene	11	367	49	1633	ug/m3	1.3	U	1.8		1.2	U	1.5		4.1		9	U	22	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	0.98	U	0.7	U	0.91	U	0.7	U	0.7	U	7	U	18	U
Naphthalene	0.83	28	3.6	120	ug/m3	1.5	U	1.1	U	1.4	U	1.1	U	1.1	U	11	U	**28**	U
Toluene	5200	173333	22000	733333	ug/m3	3.5		4.8		1.2	U	5.9		12		9.1		22	U
Xylenes, Total	100	3333	440	14667	ug/m3	1.3	U	10.7		1.2	U	8.3		15.7		9	U	22	U

Notes:

Sample results compared to MEDEP RAGs for Indoor Air Residential (RES) and Commercial (COMM) Scenarios
RES/0.03 and COM/0.03 = Guidelines after Attenuation Factor Used
ug/m3 = micrograms per cubic meter
U = Not Detected Above the Laboratory Detection Limit
32 = Detected above the RES RAG
203 = Detected above the RES & COMM RAG
SSV-02 is a duplicate of SSV-01

TABLE 9 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SV-01		SV-02		HA-09		HA-01	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-08		L2152622-09		L2152622-10		L2152622-11	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual		Qual		Qual
Volatile Organics in Air by SIM													
1,1,1-Trichloroethane	5200	173333	22000	733333	ug/m3	1.09	U	0.218	U	0.698		0.109	U
1,1,2,2-Tetrachloroethane	0.48	16	2.1	70	ug/m3	1.37	U	0.275	U	0.298	U	0.137	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5200	173333	22000	733333	ug/m3	3.83	U	0.766	U	0.828	U	0.636	
1,1,2-Trichloroethane	0.21	7	0.88	29.3	ug/m3	1.09	U	0.218	U	0.237	U	0.109	U
1,1-Dichloroethane	18	600	77	2567	ug/m3	0.809	U	0.162	U	0.176	U	0.081	U
1,1-Dichloroethene	210	7000	880	29333	ug/m3	0.793	U	0.159	U	0.172	U	0.079	U
1,2,4-Trichlorobenzene	2.1	70	8.8	293	ug/m3	3.71	U	0.742	U	0.802	U	0.371	U
1,2,4-Trimethylbenzene	63	2100	260	8667	ug/m3	**12000**		14.8		73.3		1.71	
1,2-Dibromoethane	0.047	1.57	0.2	6.7	ug/m3	1.54	U	0.307	U	0.334	U	0.154	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane					ug/m3	3.49	U	0.699	U	0.755	U	0.349	U
1,2-Dichlorobenzene	210	7000	880	29333	ug/m3	1.2	U	0.24	U	0.444		0.12	U
1,2-Dichloroethane	1.1	36.7	4.7	157	ug/m3	0.809	U	0.162	U	0.176	U	0.081	U
1,2-Dichloroethene (total)					ug/m3	127		1.13		4.96		0.079	U
1,2-Dichloropropane	4.2	140	18	600	ug/m3	0.924	U	0.185	U	0.201	U	0.092	U
1,3,5-Trimethylbenzene	63	2100	260	8667	ug/m3	**5310**		4.04		50.1		0.418	
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	**58.6**		0.102		0.595		0.119	
1,3-Dichlorobenzene					ug/m3	1.2	U	0.421		0.98		0.295	
1,3-Dichloropropene, Total	7	233	31	1033	ug/m3	0.908	U	0.182	U	0.197	U	0.091	U
1,4-Dichlorobenzene	2.6	87	11	367	ug/m3	1.2	U	0.24	U	1.21		0.12	U
1,4-Dioxane	5.6	187	25	833	ug/m3	3.6	U	0.721	U	0.782	U	0.36	U
2,2,4-Trimethylpentane					ug/m3	9.34	U	1.87	U	2.03	U	0.934	U
2-Butanone	5200	173333	22000	733333	ug/m3	14.7	U	4.69		8.29		2.14	
2-Hexanone	31	1033	130	4333	ug/m3	8.2	U	1.64	U	1.78	U	0.82	U
3-Chloropropene	1	33	4.4	147	ug/m3	6.26	U	1.25	U	1.36	U	0.626	U
4-Ethyltoluene					ug/m3	3140		3.66		25.7		0.379	
4-Methyl-2-pentanone	3100	103333	13000	433333	ug/m3	20.5	U	4.1	U	4.43	U	2.05	U
Acetone	32000	1066667	140000	4666667	ug/m3	47.3		24.7		30.2		11.5	
Benzene	3.6	120	16	533	ug/m3	12.9		0.639	U	3.58		0.319	U
Benzyl chloride	0.57	19	2.5	83	ug/m3	10.4	U	2.07	U	2.25	U	1.04	U
Bromodichloromethane	0.76	25.3	3.3	110	ug/m3	1.34	U	0.268	U	0.291	U	0.255	
Bromoform	26	867	110	3667	ug/m3	2.07	U	0.414	U	0.449	U	0.207	U
Bromomethane	5.2	173	22	733	ug/m3	0.777	U	0.155	U	0.169	U	0.078	U
Carbon disulfide	730	24333	3100	103333	ug/m3	17.3		1.25	U	5.14		0.623	U
Carbon tetrachloride	4.7	157	20	667	ug/m3	1.26	U	0.252		0.273	U	0.157	
Chlorobenzene	52	1733	220	7333	ug/m3	4.61	U	0.921	U	0.999	U	0.461	U
Chloroethane	10000	333333	44000	1466667	ug/m3	2.64	U	0.528	U	0.573	U	0.264	U
Chloroform	1.2	40	5.3	177	ug/m3	1.76		2.81		4.11		**56.6**	
Chloromethane	94	3133	390	13000	ug/m3	4.48		0.826	U	0.896	U	0.413	U
cis-1,2-Dichloroethene	830	27667	3500	116667	ug/m3	111		0.159		4.72		0.079	U
cis-1,3-Dichloropropene					ug/m3	0.908	U	0.182	U	0.197	U	0.091	U
Cyclohexane	6300	210000	26000	866667	ug/m3	6.88	U	1.38	U	1.49	U	0.688	U
Dibromochloromethane					ug/m3	1.7	U	0.341	U	0.37	U	0.17	U
Dichlorodifluoromethane	100	3333	440	14667	ug/m3	9.89	U	2.78		2.65		2.91	
Ethyl Acetate					ug/m3	18	U	3.6	U	3.89	U	1.8	U
Ethyl Alcohol					ug/m3	94.2	U	18.8	U	20.3	U	9.42	U
Ethylbenzene	11	367	49	1633	ug/m3	**851**		1.6		14.8		0.304	

TABLE 9 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SV-01		SV-02		HA-09		HA-01	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-08		L2152622-09		L2152622-10		L2152622-11	
Heptane					ug/m3	17.5		1.64	U	3.61		0.82	U
Hexachlorobutadiene	1.3	43	5.6	187	ug/m3	5.33	U	1.07	U	1.15	U	0.533	U
iso-Propyl Alcohol	210	7000	880	29333	ug/m3	12.3	U	2.46	U	2.65	U	1.23	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	7.21	U	1.44	U	1.56	U	0.721	U
Methylene chloride	630	21000	2600	86667	ug/m3	17.4	U	3.47	U	3.75	U	1.74	U
n-Hexane	730	24333	3100	103333	ug/m3	21.2		1.41	U	5.82		0.705	U
Naphthalene	0.83	27.7	3.6	120	ug/m3	**32.4**		0.524	U	0.739		0.262	U
Propylene					ug/m3	496		1.72	U	6.64		1.16	
Styrene	1000	33333	4400	146667	ug/m3	2.51		0.17	U	152		0.162	
Tetrachloroethene	42	1400	180	6000	ug/m3	633		698		268		26.7	
Tetrahydrofuran	2100	70000	8800	293333	ug/m3	14.7	U	2.95	U	3.95		5.78	
Toluene	5200	173333	22000	733333	ug/m3	41.5		2.66		22.2		0.592	
trans-1,2-Dichloroethene	42	1400	180	6000	ug/m3	15.2		0.975		0.224		0.079	U
trans-1,3-Dichloropropene					ug/m3	0.908	U	0.182	U	0.197	U	0.091	U
Trichloroethene	2.1	70	8.8	293	ug/m3	**111**		33.9		19		0.107	U
Trichlorofluoromethane					ug/m3	2.81	U	1.57		1.51		1.61	
Vinyl acetate	210	7000	880	29333	ug/m3	35.2	U	7.04	U	7.64	U	3.52	U
Vinyl bromide	1.9	63	8.2	273	ug/m3	8.74	U	1.75	U	1.9	U	0.874	U
Vinyl chloride	1.7	57	28	933	ug/m3	10.5		0.102	U	0.111	U	0.051	U
Xylene (Total)	100	3333	440	14667	ug/m3	2760		6.56		69.1		1.65	
Petroleum Hydrocarbons in Air													
1,3-Butadiene	0.94	31	4.1	137	ug/m3	**68**		1	U	1.1	U	0.5	U
Benzene	3.6	120	16	533	ug/m3	15		1.2	U	4.3		0.6	U
C5-C8 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	**31000**		36		800		26	
C9-C10 Aromatics Total	52	1733	220	7333	ug/m3	**44000**		68		550		10	U
C9-C12 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	**170000**		56		1200		17	
Ethylbenzene	11	367	49	1633	ug/m3	**800**		1.8	U	15		0.9	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	7	U	1.4	U	1.5	U	0.7	U
Naphthalene	0.83	28	3.6	120	ug/m3	**32**		2.2	U	2.4	U	1.1	U
Toluene	5200	173333	22000	733333	ug/m3	43		2.6		24		0.9	U
Xylenes, Total	100	3333	440	14667	ug/m3	2500		6.1		66		1	U

Notes:

Sample results compared to MEDEP RAGs for Indoor Air Residential (RES) and Commercial (COMM) Scenarios
RES/0.03 and COM/0.03 = Guidelines after Attenuation Factor Used
ug/m3 = micrograms per cubic meter
U = Not Detected Above the Laboratory Detection Limit
32 = Detected above the RES RAG
203 = Detected above the RES & COMM RAG
SSV-02 is a duplicate of SSV-01

TABLE 9 - SUB SLAB SOIL VAPOR SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SSV-103 (13 LEMIST)		SSV-105 (20 EARLE)		SSV-106 (422 CENTER)		SV-104		SV-107	
LOCATION						14 LEMIST STREET		20 EARLE AVENUE		TRI-CITY PIZZA		31 EARLE AVENUE		31 EARLE AVENUE	
SAMPLING DATE						16-FEB-22		16-FEB-22		16-FEB-22		24-FEB-22		24-FEB-22	
LAB SAMPLE ID						L2208416-01		L2208416-02		L2208416-03		L2209911-01		L2209911-02	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual				Qual		Qual
Volatile Organics in Air by SIM															
1,1,1-Trichloroethane	5200	173333	22000	733333	ug/m3	0.496	U	0.364	U	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane	0.48	16	2.1	70	ug/m3	0.624	U	0.458	U	0.137	U	0.137	U	0.137	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5200	173333	22000	733333	ug/m3	1.74	U	1.28	U	0.69		0.429		0.452	
1,1,2-Trichloroethane	0.21	7	0.88	29.3	ug/m3	0.496	U	0.364	U	0.109	U	0.109	U	0.109	U
1,1-Dichloroethane	18	600	77	2567	ug/m3	0.368	U	0.27	U	0.081	U	0.081	U	0.081	U
1,1-Dichloroethene	210	7000	880	29333	ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene	2.1	70	8.8	293	ug/m3	1.69	U	1.24	U	0.371	U	0.371	U	0.371	U
1,2,4-Trimethylbenzene	63	2100	260	8667	ug/m3	0.447		1.83		0.988		0.423		0.521	
1,2-Dibromoethane	0.047	1.57	0.2	6.67	ug/m3	0.699	U	0.513	U	0.154	U	0.154	U	0.154	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane					ug/m3	1.59	U	1.17	U	0.349	U	0.349	U	0.349	U
1,2-Dichlorobenzene	210	7000	880	29333	ug/m3	0.547	U	0.401	U	0.12	U	0.12	U	0.12	U
1,2-Dichloroethane	1.1	36.7	4.7	157	ug/m3	0.368	U	0.27	U	0.093		0.081	U	0.081	U
1,2-Dichloroethene (total)					ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
1,2-Dichloropropane	4.2	140	18	600	ug/m3	0.42	U	0.308	U	0.092	U	0.092	U	0.092	U
1,3,5-Trimethylbenzene	63	2100	260	8667	ug/m3	0.447	U	0.492		0.256		0.098		0.133	
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	0.201	U	1.06		0.305		0.223		0.277	
1,3-Dichlorobenzene					ug/m3	0.547	U	0.401	U	0.12	U	0.12	U	0.12	U
1,3-Dichloropropene, Total	7	233	31	1033	ug/m3	0.413	U	0.303	U	0.091	U	0.091	U	0.091	U
1,4-Dichlorobenzene	2.6	87	11	367	ug/m3	0.547	U	0.401	U	0.12	U	0.12	U	0.12	U
1,4-Dioxane	5.6	187	25	833	ug/m3	1.8		2.35		0.36	U	0.36	U	0.36	U
2,2,4-Trimethylpentane					ug/m3	4.25	U	3.12	U	1.35		0.934	U	0.934	U
2-Butanone	5200	173333	22000	733333	ug/m3	7.43		21		24.3		1.64		1.9	
2-Hexanone	31	1033	130	4333	ug/m3	3.73	U	2.73	U	0.82	U	0.82	U	0.82	U
3-Chloropropene	1	33.3	4.4	147	ug/m3	2.85	U	2.09	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene					ug/m3	0.447	U	0.41		0.231		0.103		0.113	
4-Methyl-2-pentanone	3100	103333	13000	433333	ug/m3	9.3	U	6.84	U	2.77		2.05	U	2.05	U
Acetone	32000	1066667	140000	4666667	ug/m3	1000		2280		1760		29.5		33.5	
Benzene	3.6	120	16	533	ug/m3	1.45	U	2.6		1.59		0.594		0.588	
Benzyl chloride	0.57	19	2.5	83.3	ug/m3	2.35	U	1.72	U	0.518	U	0.518	U	0.518	U
Bromodichloromethane	0.76	25.3	3.3	110	ug/m3	0.609	U	0.447	U	0.134	U	0.134	U	0.134	U
Bromoform	26	867	110	3667	ug/m3	0.94	U	0.69	U	0.207	U	0.207	U	0.207	U
Bromomethane	5.2	173	22	733	ug/m3	0.353	U	0.259	U	0.078	U	0.078	U	0.078	U
Carbon disulfide	730	24333	3100	103333	ug/m3	2.83	U	2.08	U	0.623	U	0.623	U	0.623	U
Carbon tetrachloride	4.7	157	20	667	ug/m3	0.572	U	0.482		0.51		0.233		0.208	
Chlorobenzene	52	1733	220	7333	ug/m3	2.09	U	1.53	U	0.461	U	0.461	U	0.461	U
Chloroethane	10000	333333	44000	1466667	ug/m3	1.2	U	0.879	U	0.264	U	0.264	U	0.264	U
Chloroform	1.2	40	5.3	177	ug/m3	1.02		0.816		0.366		0.19		0.259	
Chloromethane	94	3133	390	13000	ug/m3	1.88	U	1.6		1.83		0.473		0.413	U
cis-1,2-Dichloroethene	830	27667	3500	116667	ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene					ug/m3	0.413	U	0.303	U	0.091	U	0.091	U	0.091	U
Cyclohexane	6300	210000	26000	866667	ug/m3	3.13	U	2.3	U	0.881		0.688	U	0.688	U
Dibromochloromethane					ug/m3	0.774	U	0.568	U	0.17	U	0.17	U	0.17	U
Dichlorodifluoromethane	100	3333	440	14667	ug/m3	4.49	U	3.87		4.2		2.29		2.38	
Ethyl Acetate					ug/m3	8.18	U	6.02	U	1.8	U	1.8	U	1.8	U
Ethyl Alcohol					ug/m3	1740		1220		150		262		428	
Ethylbenzene	11	367	49	1633	ug/m3	0.395	U	1.06		0.808		0.239		0.261	
Heptane					ug/m3	3.73	U	2.73	U	1.21		0.82	U	0.82	U
Hexachlorobutadiene	1.3	43.3	5.6	187	ug/m3	2.42	U	1.78	U	0.533	U	0.533	U	0.533	U
iso-Propyl Alcohol	210	7000	880	29333	ug/m3	6.02		22.1		1.23	U	1.23	U	1.23	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	3.28	U	2.4	U	0.721	U	0.721	U	0.721	U
Methylene chloride	630	21000	2600	86667	ug/m3	7.89	U	5.8	U	2.79		1.77		1.74	U
n-Hexane	730	24333	3100	103333	ug/m3	3.2	U	2.78		2.01		1.22		1.35	

TABLE 9 - SUB SLAB SOIL VAPOR SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SSV-103 (13 LEMIST)		SSV-105 (20 EARLE)		SSV-106 (422 CENTER)		SV-104		SV-107	
LOCATION						14 LEMIST STREET		20 EARLE AVENUE		TRI-CITY PIZZA		31 EARLE AVENUE		31 EARLE AVENUE	
SAMPLING DATE						16-FEB-22		16-FEB-22		16-FEB-22		24-FEB-22		24-FEB-22	
LAB SAMPLE ID						L2208416-01		L2208416-02		L2208416-03		L2209911-01		L2209911-02	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual				Qual		Qual
Naphthalene	0.83	27.7	3.6	120	ug/m3	1.19	U	0.876	U	0.262	U	0.262	U	0.262	U
Propylene					ug/m3	3.91	U	10.5		3.1		2.1		2.5	
Styrene	1000	33333	4400	146667	ug/m3	0.387	U	1.02		1.78		0.085	U	0.102	
Tetrachloroethene	42	1400	180	6000	ug/m3	0.616	U	0.452	U	0.509		3.14		3.54	
Tetrahydrofuran	2100	70000	8800	293333	ug/m3	6.69	U	4.93	U	1.61		1.47	U	1.47	U
Toluene	5200	173333	22000	733333	ug/m3	2.43		4.82		3.12		0.897		0.995	
trans-1,2-Dichloroethene	42	1400	180	6000	ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
trans-1,3-Dichloropropene					ug/m3	0.413	U	0.303	U	0.091	U	0.091	U	0.091	U
Trichloroethene	2.1	70	8.8	293	ug/m3	0.489	U	0.358	U	0.113		0.107	U	0.107	U
Trichlorofluoromethane					ug/m3	1.48		1.59		1.75		0.871		0.922	
Vinyl acetate	210	7000	880	29333	ug/m3	16	U	11.7	U	3.52	U	3.52	U	3.52	U
Vinyl bromide	1.9	63.3	8.2	273	ug/m3	3.97	U	2.92	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	1.7	56.7	28	933	ug/m3	0.232	U	0.171	U	0.051	U	0.051	U	0.051	U
Xylene (Total)	100	3333	440	14667	ug/m3	1.38		4.26		3.13		0.951		1.08	
Petroleum Hydrocarbons in Air															
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	2.2	U	1.6	U	0.5	U	0.5	U	0.5	U
Benzene	3.6	120	16	533	ug/m3	2.7	U	3.2		2		0.71		0.7	
C5-C8 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	610		1600		2800		110		110	
C9-C10 Aromatics Total	52	1733	220	7333	ug/m3	45	U	33	U	10	U	10	U	10	U
C9-C12 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	45	U	120		160		10	U	14	
Ethylbenzene	11	367	49	1633	ug/m3	4	U	3	U	0.93		0.9	U	0.9	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	3.2	U	2.3	U	0.7	U	0.7	U	0.7	U
Naphthalene	0.83	28	3.6	120	ug/m3	5	U	3.6	U	1.1	U	1.1	U	1.1	U
Toluene	5200	173333	22000	733333	ug/m3	4	U	6		3.8		1		1.2	
Xylenes, Total	100	3333	440	14667	ug/m3	4	U	3.3		3.5		0.9	U	0.9	U

Notes:
Sample results compared to MEDEP RAGs for Indoor Air Residential (RES) and Commercial (COMM) Scenarios
RES/0.03 and COM/0.03 = Guidelines after Attenuation Factor Used
ug/m3 = micrograms per cubic meter
U = Not Detected Above the Laboratory Detection Limit
SV-107 is a duplicate of SV-104

BROADWAY DRY CLEANING
FIGURES

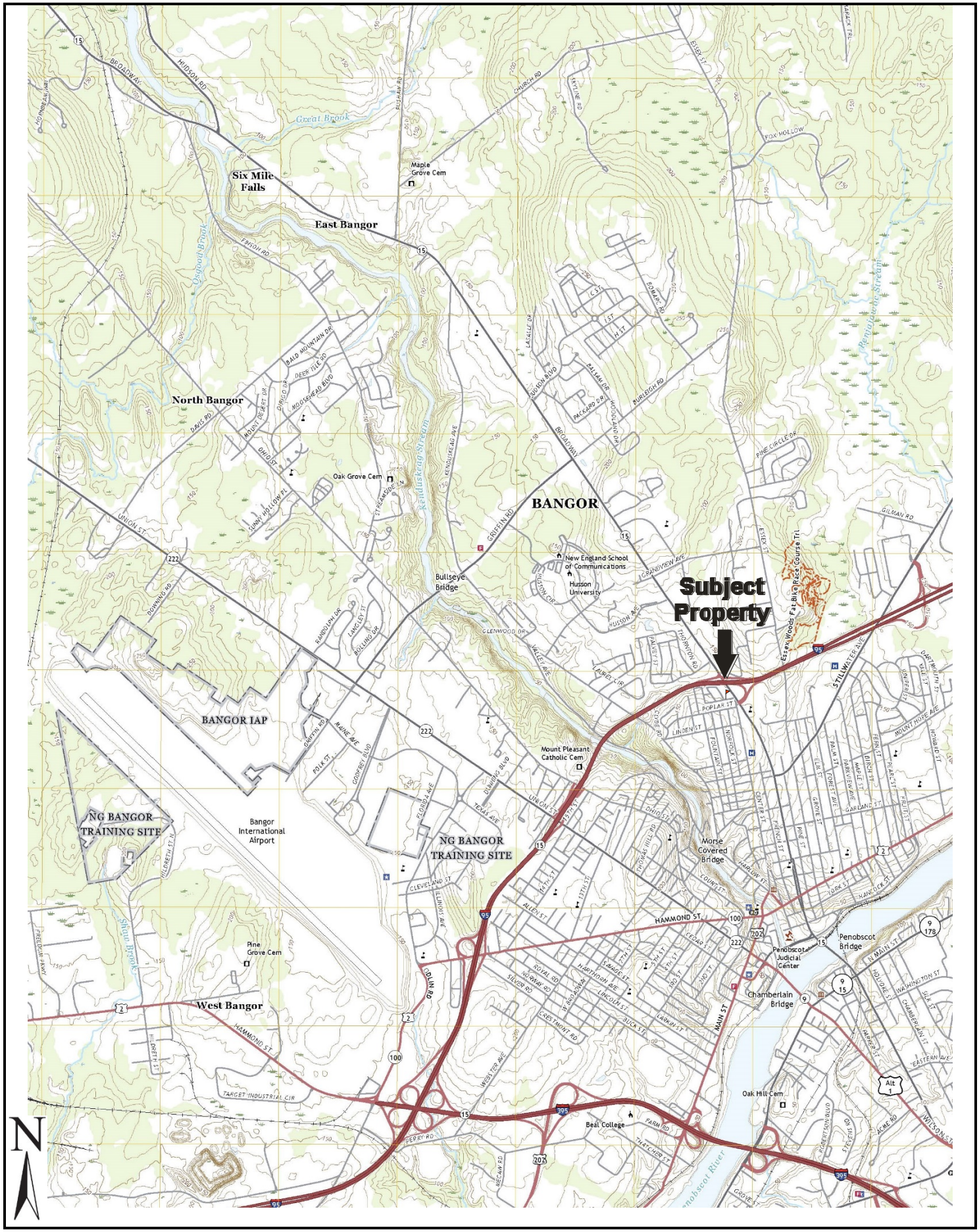

FIGURE 1 – SITE LOCATION MAP
Project No. BE-356

BEACON Environmental Consultants, LLC

FIGURE 2: SAMPLE LOCATION PLAN
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE
Project No.: BE-356

BROADWAY DRY CLEANING
REFERENCES

[1] Cressey, John. Beacon Environmental Consultants, LLC. 2022. Phase II Environmental Site Assessment for Broadway Dry Cleaning, Bangor, Maine. February 10, 2022.

[2] Cressey, John. Beacon Environmental Consultants, LLC. 2021. Phase II Environmental Site Assessment for Broadway Dry Cleaning, Bangor, Maine. November 10, 2021.

[3] Cressey, John. Summit Environmental Consultants, Inc. Phase I Environmental Assessment for 490 Broadway, Bangor, Maine. August 27, 2010.

[4] Weston, Tracy. ME DEP. Sampling Results Letter and Analytical Data for 490 Broadway, Bangor, Maine. 2009.

APPENDIX A

BROADWAY DRY CLEANING

PHOTOGRAPH LOG

Photo No. 1

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Location B-03 in the gravel parking area.

Photo By: JKC

Photo No. 2

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample HA-07 on the southwest corner of the property.

Photo By: JKC

Photo No. 3

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample HA-04 between the site building and Jiffy Print.

Photo By: JKC

Photo No. 4

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample HA-05 near the vehicle maintenance portion of the building.

Photo By: JKC

Photo No. 5

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample SV-06 within the sewer utility corridor.

Photo By: JKC

APPENDIX B to Site Inspection Report

BROADWAY DRY CLEANING

2021 PHASE II ESA, November 10, 2021

PHASE II ENVIRONMENTAL SITE ASSESSMENT
BROADWAY DRY CLEANING
490 BROADWAY
BANGOR, MAINE

PREPARED FOR:
MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333

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November 10, 2021

BE-356

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EXECUTIVE SUMMARY

Beacon Environmental Consultants, LLC (Beacon) was retained by the Maine Department of Environmental Protection (MEDEP) to conduct a Phase II Environmental Site Assessment (ESA) at the Broadway Dry Cleaning Property located at 490 Broadway in the City of Bangor, Penobscot County, Maine. The purpose of the Phase II ESA Investigation was to investigate conditions at the property in order to identify and delineate areas of subsurface, groundwater, and soil vapor contamination.

Summit Environmental Consultants, Inc. (Summit) completed a Phase I ESA on behalf of the MEDEP in August 2010. Based on the Phase I ESA, Summit identified the following Recognized Environmental Conditions (RECs) at the Site:

1. The property was used as a bus garage, dry cleaner, and taxi service from 1945 until the early 1990s;
2. An investigation performed by the MEDEP documented soil vapor issues adjacent to the building;
3. Several spills have occurred within the Site building which made their way to floor drains located within the Site building which are known to not be connected to the City of Bangor sanitary system.
4. In 2002, five underground storage tanks were removed from the property and soils exhibiting greater than 750 parts per million (ppm) on a photoionization detector (PID) were removed. According to the site assessment report completed by Fessenden Geo-Environmental Services, soils in the areas close to the building and along Earl Avenue exhibiting contamination above the cleanup guideline were left in place due to structural concerns.

Summit recommended that:

- A Phase II ESA be performed to determine if groundwater and soils above the cleanup standards still exist in close proximity to the Site building as well as to determine if contamination observed at the Bangor Mainway property (across Broadway to the east) has affected the Site;
- Conduct a vapor intrusion evaluation to determine if vapors from previously identified soil contamination have the potential to affect indoor air quality on the Site or migrate off-site and impact adjacent properties;
- Perform a dye test to determine the discharge point(s) of the three floor drains and determine if the pit observed, and measured by MEDEP, has a drain.

Beacon developed a Work Plan in August 2021 to support the DCI Investigation. On September 27, 2021, Beacon performed the following work as part of the DCI Investigation for the Site:

- Advanced ten (10) soil borings utilizing a Geoprobe track-mounted rig and collected four (4) soil samples and a duplicate for laboratory analysis.
- Advanced ten (10) hand borings utilizing an AMS 1 ½" bucket hand auger.

- Installed one (1) temporary monitoring well and one por water sampler and collected two (2) groundwater samples, and one duplicate, for laboratory analysis.
- Installed one (1) sub slab soil vapor point and collected one (1) sub slab soil vapor sample and a duplicate, for laboratory analysis.
- Installed nine (9) soil gas sample points and collected nine (9) soil vapor samples for laboratory analysis.

Soil and groundwater samples collected from Site investigations were submitted to Alpha Analytical Laboratory (Alpha) in Westboro, Massachusetts for laboratory analysis of Volatile Petroleum Hydrocarbon (VPH) ranges, Volatile Organic Compounds (VOCs) and Extractible Petroleum Hydrocarbon (EPH) ranges and compounds.

The sub slab soil vapor samples, soil vapor samples collected from Site investigations was submitted to Alpha in Mansfield, Massachusetts for laboratory analysis of Air Petroleum ranges and compounds and VOCs.

There were no exceedances to the current residential, park user, commercial worker, or construction worker MEDEP Remedial Action Guidelines (RAGs) for soil samples analyzed.

There was an exceedance above the current residential and construction worker MEDEP RAGs for vinyl chloride in the groundwater sample analyzed from MW-02 and its duplicate.

The results for 1,3,5-trimethylbenzene, 1,3-butadiene, ethylbenzene, naphthalene, and trichloroethylene in soil vapor SV-01, for 1,3-butadiene in soil vapor SV-03, and for chloroform in soil sample HA-01 were above the residential MEDEP RAG after the attenuation factor is used. Additionally, the results for 1,2,4-trimethylbenzene, C5-C8 aliphatics, C9-C10 aromatics, and C9-C12 Aliphatics were above both the residential and the commercial worker MEDEP RAG after the attenuation factor is used.

The results for tetrachloroethylene in the subslab soil vapor, and its duplicate, were above the residential MEDEP RAG after the attenuation factor is used. Additionally, the results for trichloroethylene in the subslab and its duplicate were above both the residential and the commercial worker MEDEP RAG after the attenuation factor is used.

Beacon recommends the following:

- Indoor air and/or subslab soil vapor should be collected from the business and the residence to the north, the business to the south, the residence to the south, and the residences to the west;
- A vapor mitigation system should be designed and installed in the subslab to mitigate the impacted soil gas;
- The floor drains should be further investigated and closed out in accordance with MEDEP rules; and
- The property owner should consider applying to the MEDEP Voluntary Response Action Program (VRAP) to obtain liability protections afforded by Maine law.

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1.0 INTRODUCTION

This Phase II Environmental Site Assessment (ESA) was conducted, by Beacon Environmental Consultants, LLC (Beacon), for the Maine Department of Environmental Protection (MEDEP) under a grant from the United States Environmental Protection Agency (USEPA). The Conceptual Site Model (CSM) was created to address data gaps from previous environmental investigations completed on the property.

1.1 Purpose

Beacon was retained by the MEDEP to conduct this Phase II ESA to investigate conditions at the Broadway Dry Cleaning property (MEDEP REMO #01916) located at 490 Broadway, in the City of Bangor, Penobscot County, Maine in order to identify potential impacts to subsurface soils, groundwater, and soil vapor.

1.2 Special Terms and Conditions

This report has been prepared for the exclusive use of the MEDEP and should not be reproduced or disseminated without the written approval of Beacon or the MEDEP. Beacon has retained a copy of this report. No additions or deletions are authorized without the written consent of Beacon. Use of this report in whole or in part by parties other than the Client or his/her authorized agent is prohibited.

1.3 Limitations and Exceptions of Assessment

Beacon did not identify limitations or exceptions in the development of this assessment.

2.0 BACKGROUND

2.1 Site Description and Features

The Site is approximately 0.61 acres, located at 490 Broadway in the City of Bangor, Maine. The Site is identified by the City of Bangor's Assessor's Office as Lot 84 on Tax Map 37. One 7,048 square foot concrete and mortar building is on the property. The building is currently being used for storage by Mr. Paul Baron, the property owner.

The Site is located at 490 Broadway in a commercial/residential area of Bangor.

See **Figure 1** for a Site Location Map.

The area surrounding the site is primarily commercial and residential usage.

2.2 Physical Setting

Based on a review of the Surficial Geologic Map of the Bangor Quadrangle, Maine Map (Kent M. Syverson and Andrew H. Thompson, 2011), surficial soils at the Site are identified as till deposits (Pt). Till deposits are comprised of loose to very compact, poorly sorted, massive to weakly stratified mixture of sand, silt, and gravel-size rock debris deposited by glacial ice.

Based on a review of the Bedrock Geologic Map of the Bangor Quadrangle, Maine (Stephen G. Pollock, 2011), the Site is underlain by the Lover's Leap Member of the Bangor Formation (Sbl). This member is comprised by Silurian-aged dark gray to grayish

black siltstone slate with laminae and very thin beds of very fine-grained quartz-rich sandstone.

According to the Significant Sand & Gravel Aquifers of the Bangor Quadrangle, Maine Map (Lauren E. Foster and Troy T. Smith, 2008) the Site is not located within a significant sand and gravel aquifer.

2.3 Site History and Land Use

According to the Phase I ESA completed by Summit Environmental Consultants, Inc. (Summit), the property being assessed was developed in 1945 with the current building and was utilized as a bus garage and maintenance facility. From 1950 through 1973, the property was used as a dry cleaner. From 1973 until approximately 2008, the property was used as the base of operations for Town Taxi. A redemption center occupied the building from the mid-2000s until 2018.

2.4 Adjacent Property Land Use

The Site is bounded to the east by Broadway, to the south by Earle Avenue, to the west by a Lemist Street, and to the northwest by a residence and to the north by Jiffy Printing.

2.5 Summary of Previous Assessments

Underground Storage Tank Site Assessment – Fessenden Geo-Environmental Services, July 2, 2002

An Underground Storage Tank (UST) Site Assessment report was completed for the property in conjunction with the removal of five USTs in 2002. According to the report, during the removal of the USTs, petroleum contamination was observed in the excavation. MEDEP Response Services established a clean-up guideline of 750 parts per million (ppm) on a Photoionization Detector (PID), for the Site. Approximately 252 tons of contaminated soil was removed and transported to Thibodeau's facility in Prospect, Maine for asphalt batching. Contamination exceeding the cleanup goal was left along Earle Avenue to the south and along the western edge of the foundation of the Site building due to structural concerns.

Soil Vapor Screening – MEDEP, 2009.

The MEDEP conducted soil vapor sampling and a site inspection on October 16, 2009. One soil vapor sample was collected from adjacent to the southwest corner of the Site building and one soil vapor sample was collected from within the municipal sewer located within the intersection of Lemist Street and Earle Avenue to the west of the Site. Samples were collected utilizing SUMMA canisters and submitted to Alpha Analytical Laboratory in Mansfield, Massachusetts for analysis of VOCs by USEPA Method TO-15.

Analytical results indicated that the sample collected from outside of the building reported concentrations of tetrachloroethylene (PCE). The sample was a soil vapor sample, therefore; the MEDEP Indoor Air Remedial Action Guidelines (RAGs) are not directly comparable. As such, the MEDEP has approved guidance to divide the MERAGs by 0.03 before comparing the results to the RAGs. Applying this attenuation factor to the reported result for this sample, the result is below both the current (2021) Residential and the Commercial RAGs. The sewer sample was non-detect for PCE.

MEDEP conducted a follow-up sampling event on March 25, 2010. An indoor air sample and a near slab soil vapor sample were collected at 20 Earle Avenue. MEDEP sought permission to also sample indoor air and soil vapor at 13 Lemist Street and 14 Lemist Street, but did not receive a response from either address.

Analytical results indicated that the indoor air sample collected from the basement of 20 Earle Avenue and the near slab soil vapor sample were both non-detect for PCE.

Phase I ESA – Summit, August 27, 2010

Summit Environmental Consultants, Inc. (Summit) completed a Phase I ESA on behalf of the MEDEP in August 2010. Based on the Phase I ESA, Summit identified the following Recognized Environmental Conditions (RECs) at the Site:

1. The property was used as a bus garage, dry cleaner, and taxi service from 1945 until the early 1990s;
2. An investigation performed by the MEDEP documented soil vapor issues adjacent to the building;
3. Several spills have occurred within the Site building which made their way to floor drains located within the Site building which are known to not be connected to the City of Bangor sanitary system.
4. In 2002, five underground storage tanks were removed from the property and soils exhibiting greater than 750 parts per million (ppm) on a photoionization detector (PID) were removed. According to the site assessment report completed by Fessenden Geo-Environmental Services, soils in the areas close to the building and along Earl Avenue exhibiting contamination above the cleanup guideline were left in place due to structural concerns.

Summit recommended that:

- A Phase II ESA be performed to determine if groundwater and soils above the cleanup standards still exist in close proximity to the Site building as well as to determine if contamination observed at the Bangor Mainway property (across Broadway to the east) has affected the Site;
- Conduct a vapor intrusion evaluation to determine if vapors from previously identified soil contamination have the potential to affect indoor air quality on the Site or migrate off-site and impact adjacent properties;
- Perform a dye test to determine the discharge point(s) of the three floor drains and determine if the pit observed, and measured by MEDEP, has a drain.

3.0 Work Performed and Rationale

3.1 Scope of Assessment

The Scope of this Phase II ESA was to attempt to determine if impacts were present in subsurface soil, groundwater, or soil vapor. See **Appendix A** for site photographs.

3.2 Conceptual Site Model

Site Familiarity

Beacon's President was the author of the Phase I ESA completed by Summit in August 2010. This report included Site history research and an exterior reconnaissance to identify potential Contaminants of Concern (COCs) and to serve as the basis for proposed investigations.

Sitewide Considerations

The property was formerly operated as a bus garage, a dry cleaner, and automotive repair facility. A UST removal, in 2002, determined that petroleum compounds were present within soil and groundwater and an MEDEP investigation determined that chlorinated compounds were present within soil gas around the structure. EPH ranges and target PAH compounds, VPH ranges and target VOCs, are potential COCs in connection with the area and downgradient thereof in soil, groundwater, and soil vapor.

SITE CONCEPTUAL MODEL SUMMARY	
POSSIBLE SOURCE AREAS	Site-wide Considerations
CONTAMINANTS OF CONCERN	Soil • Extractable Petroleum Hydrocarbons (EPH) • Volatile Petroleum Hydrocarbons (VPH) • Volatile Organic Compounds (VOCs) Groundwater • Extractable Petroleum Hydrocarbons (EPH) • Volatile Petroleum Hydrocarbons (VPH) • Volatile Organic Compounds (VOCs) Soil Gas • Air Petroleum Hydrocarbons (APH) • VOCs
POTENTIAL MEDIA AFFECTED	Soil, Groundwater, and Soil Vapor
POTENTIAL EXPOSURE ROUTES	Exposure pathways for contamination in soil: • Direct contact for site workers • Inhalation of fugitive emissions (dust) during site use Exposure pathways for contamination in groundwater • Direct contact for site workers Exposure pathways for contamination in soil gas • Inhalation of impacted soil gas
POTENTIAL MIGRATION PATHWAYS	Migration pathways for contaminants: • Wind transport of dust (if impacted). • Groundwater transport (if impacted). • Vapor transport (if impacted).
RECEPTORS	For soil, soil gas, and groundwater, potential receptors include site workers during excavation/site work. For soil, potential receptors include future site occupants if impacted surficial soil is discovered. For soil vapor, potential receptors include future site occupants, if impacted soil gas is discovered.

3.3 Deviations from Sampling Plan

Groundwater was not encountered in borings other than B-02 and beneath the concrete slab on the northern portion of the building; therefore, a third groundwater sample was not collected.

An indoor air sample was not collected based on the presence of petroleum products, brake cleaner, and other hazardous substances stored within the Site building.

3.4 Exploration, Sampling, and Test Screening Methods

Prior to initiating intrusive activities, Beacon personnel contacted DIGSAFE of Maine (DIGSAFE) to determine the location of public underground utilities on-site in the work area. Additionally, Beacon subcontracted Centerline Utility Services (Centerline) to clear

individual boring locations and to perform a Ground Penetrating Radar (GPR) survey to determine utility locations.

Geoprobe Borings and Soil Sampling

Geoprobe borings were completed by EPI on September 28, 2021 in ten (10) locations using a Geoprobe 6712DT track-mounted rig. Borings were completed to 10' or 15' BGS based on field conditions. Soil samples were field screened for volatile organics using a MiniRae 3000 PID and using Oleophilic Dye Shake Test kits. PID results ranged from non-detect to 248.5 ppm. See **Appendix B** for soil boring logs with PID responses.

Samples were collected from B-01 (5-6'), B-03 (1-3'), and B-02 (5-6'). A duplicate of B-03 was collected and named B-11 (1-3'). These samples were based on visual observations and PID responses. These samples were submitted to Alpha Analytical Laboratory (Alpha) of Westboro, Massachusetts for analysis.

Hand Auger Soil Sampling

Hand auger sampling was completed using an AMS hand auger with a 1 ½" bucket to a depth of 3' BGS. Soil samples were collected for PID readings and screened with a PPB RAE. A soil sample was collected from beneath the concrete slab in the center of the Site building (HA-06) and from beneath the concrete slab in the northern portion of the building (SUBSLAB).

TABLE 1 – PID RESULTS

LOCATION	DEPTH (BGS)	PID RESULT
HA-01	2-3'	800 PPB
HA-02	2-3'	325 PPB
HA-03	2-3'	315 PPB
HA-04	2-3'	8500 PPB
HA-05	2-3'	2300 PPB
HA-06	2-3'	500 PPB
HA-07	2-3'	8100PPB
HA-08	2-3'	150 PPB
HA-09	2-3'	950 PPB
HA-10	2-3'	110 PPB

Groundwater Sampling

Groundwater sampling was completed by installing one temporary 1" piezometer at borings B-02 and a pore water sampler into the soil beneath the concrete slab. Once the

piezometer/pore water sampler was installed, they were purged for up to 30 minutes with a peristaltic pump and tubing in an effort to develop and remove silt from within the piezometer prior to sampling. The piezometer/pore water sampler was sampled immediately following development. Samples were collected for submission to Alpha from each of the locations for VOCs, VPH ranges, and EPH compounds and ranges with a duplicate sample from MW-02 being labeled MW-11 and submitted for the same analyses.

Sub Slab Soil Vapor Sampling

Beacon utilized a hammer drill to penetrate the concrete slab within the basement of the Maine Prom Event portion of the building. Beacon then inserted ¼" Teflon tubing and the hole was sealed with modeling clay. Once this tubing was connected, Beacon took PID readings using a MiniRae PPB PID and oxygen, carbon dioxide, and lower explosive limit (LEL) readings with an Eagle Four-Gas Meter to evaluate whether the seal was effectively isolating ambient air from sub-slab vapor. Beacon then connected two 2.7-liter SUMMA canisters connected by a splitter to two 30-minute flow controller at the location. See **Appendix C** for soil vapor sampling sheets.

Sub slab soil vapor was sampled from SSV-01 with a duplicate labeled SSV-02 and submitted them to Alpha of Mansfield, Massachusetts for analysis of APH and VOCs by TO-15.

Soil Vapor Sampling

Soil vapor samples were either collected using a pore water sampler inserted into the ground or by EPI utilizing the Geoprobe to drive a soil vapor point and then pulling the tooling back one foot to expose the screen. Sample depths were as follows: HA-05 (3'), HA-04 (3'), HA-07 (3'), SV-06 (3'), SV-03 (3'), SV-01 (3'), SV-02 (3'), HA-09 (3'), and HA-01 (3'). Beacon then connected ¼" Teflon tubing and the tooling was sealed with bentonite at the top and at the ground surface. Prior to connect the tubing, ambient samples were collected in the area of the SUMMA canister using an Eagle Four Gas Meter and a MiniRae PPB PID. Once this tubing was connected, Beacon took PID readings using a MiniRae PPB PID and oxygen, carbon dioxide, and lower explosive limit (LEL) readings with an Eagle Four-Gas Meter to evaluate whether the seal was effectively isolating ambient air from sub-slab vapor. Beacon then connected one 2.7-liter SUMMA canister with a 30-minute flow controller at the location. See **Appendix C** for soil vapor sampling sheets.

Soil vapor was sampled from, HA-01, HA-04, HA-05, HA-07, HA-09, SV-01, SV-02, SV-03, and SV-06 and submitted them to Alpha of Mansfield, Massachusetts for analysis of APH and VOCs by TO-15.

4.0 PRESENTATION AND EVALUATION OF RESULTS

4.1 Subsurface Conditions

Subsurface conditions on the property were identified as sand and gravel fill to a depth of ~2 feet BGS where glaciomarine silty-clay was encountered. A transition from silty-clay to sand was observed at an approximate depth of 8' BGS to boring completion. Refusal (presumed bedrock) was not encountered in borings.

4.2 Analytical Results

Soil

Soil samples collected and analyzed for B-01, B-02, B-03, (and its duplicate B-11), and SUBSLAB had detections of for VOCs and EPH ranges and compounds. Additionally, soil samples from B-01 and B-02 had detections for VPH ranges. Soil samples from HA-06 and SUBSLAB had detections for PCE. None of these detections were above the MEDEP RAGs for Residential, Park User, Commercial, or Construction Worker scenarios.

See **Table 2** for soil analytical results and **Appendix D** for analytical reports.

Groundwater

Groundwater samples collected from monitoring wells MW-02 its duplicate MW-11 had detections for VOCs and VPH ranges. The concentration for vinyl chloride from these samples was elevated above the MEDEP RAGS for both Residential and Construction Worker Scenarios. The groundwater sample from SUBSLAB had detections for VOCs but was non-detect for VPH ranges and EPH compounds and ranges. The detections for VOCs were below both the Residential and Construction Worker scenarios.

See **Table 3** for groundwater analytical results and **Appendix D** for analytical reports.

Sub Slab Soil Vapor

Sample results from the sub slab soil vapor location (SSV-01) and its duplicate (SSV-02) reported concentrations for VOCs and petroleum hydrocarbons. The sample was a sub slab soil vapor sample, therefore; the MEDEP Indoor Air Remedial Action Guidelines (RAGs) are not directly comparable. As such, the MEDEP has approved guidance to divide the MERAGs by 0.03 before comparing the results to the RAGs. Applying this attenuation factor to the reported results, the results for PCE were above Residential RAGs and the results for trichloroethylene (TCE) were above both the Residential and Commercial scenarios. See **Table 4** for soil vapor analytical results and **Appendix D** for analytical reports.

Soil Vapor

Sample results from the all of the soil vapor locations reported concentrations for VOCs and petroleum hydrocarbons. The samples were soil vapor samples, therefore; the MEDEP Indoor Air Remedial Action Guidelines (RAGs) are not directly comparable. As such, the MEDEP has approved guidance to divide the MERAGs by 0.03 before comparing the results to the RAGs. Applying this attenuation factor to the reported results, the results for 1,3-butadiene were above the guidance concentrations for Residential Scenarios for samples SV-01 and SV-03, for chloroform in HA-01, and for 1,3,5-trimethylbenzene, ethylbenzene, trichloroethylene, and naphthalene in SV-01. The concentrations reported for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene at location SV-01 were above both the Residential and Commercial scenarios. The remaining samples had detected concentrations below the RAGs for both Residential and Commercial scenarios. The highest concentrations of tetrachloroethylene were detected in samples SV-01 and SV-02 which were located adjacent to the southwest corner of the building within the former UST graves. See **Table 4** for soil vapor analytical results and **Appendix D** for analytical reports.

5.0 INTERPRETATION AND CONCLUSIONS

5.1 Recognized Environmental Condition/Potential Release Area

Impacts were observed on the property above applicable MEDEP Residential and Commercial RAGs for soil vapor and sub slab soil vapor and above the MEDEP Residential and Construction RAGs for groundwater.

5.2 Conceptual Model Validation/Adequacy of Investigations

Soil, groundwater, and soil vapor impacts were documented on the property by olfactory, on-site analysis (PID) and by laboratory samples. The CSM was validated by these results.

Sub slab soil vapor results for

5.3 Absence, Presence, Degree, Extent of Target Analytes

Detections for VOCs, VPH ranges, and EPH ranges and compounds for soil samples were below the Residential, Park User, Commercial Worker and Construction Worker RAGs.

Groundwater results from the location to the southwest of the building were above the Residential and Construction Worker RAGs for vinyl chloride (a breakdown component of PCE).

Detections of petroleum and volatile organic compounds were found in the sub slab soil vapor and soil vapor samples. the results for 1,3-butadiene were above the MEDEP attenuation factor guidance concentrations for Residential Scenarios for samples SV-01 and SV-03, for chloroform in HA-01, and for 1,3,5-trimethylbenzene, ethylbenzene, trichloroethylene, and naphthalene in SV-01. The concentrations reported for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene at location SV-01 were above both the Residential and Commercial. The remainder of the results from the soil vapor and subslab samples were below the MEDEP attenuation factor for Indoor Air in Residential and Commercial scenarios.

5.4 Additional Work Performed

No additional work was performed.

5.5 Quality Control

Duplicate soil samples had some Relative Percent Difference (RPD) greater than 30% with several over 100%. Typically, RPDs greater than 30% indicate poor analytical precision. For soil however, due to the small sample size obtained from samples based on the 1" acetate sleeve, there is the potential for higher variability in soil samples which may allow for higher discrepancy. The groundwater duplicate sample was below 30% RPD when both samples had reported results and not estimated results. The sub slab soil vapor duplicate had multiple RPDs above 30%. The higher of the two sample results was used in comparing to RAGs to ensure the most conservative analysis was made.

The laboratory reported the following Quality Assurance and/or Quality Control (QA/QC) issues:

<u>Lab Report L2152556:</u>

Volatile Organics

L2152556-04D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (132%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Lab Report L2146482

Volatile Organics in Air

L2152622-01D,03D,10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2152622-05D,06D,07D,09D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-08D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-05,08D,09D: 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.

WG1553518-5D: The relative percent difference for propylene (28%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected; therefore, no further action was taken.

Petroleum Hydrocarbons in Air

L2152622-01D, -03D, and -10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2152622-01 through -11: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

L2152622-06D: The sample has elevated detection limits due to the dilution required by the elevated

concentrations of non-target compounds in the sample.

L2152622-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2152622-08D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-09D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Based on our review, the data is determined to be acceptable and we believe MEDEP can rely on this data to make decisions.

5.6 Conclusions

There are exceedances above the current Residential and Construction RAGs for vinyl chloride in groundwater near the southwest corner of the site building.

There are exceedances above both the Residential and Commercial RAGs in sub slab soil gas for TCE and for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene to the southwest of the Site building. There are also exceedances above the current Residential RAGs for 1,3,5-trimethylbenzene, naphthalene, 1,3-butadiene, ethylbenzene, and trichloroethylene to the southwest of the site building, for 1,3-butadiene and chloroform to the west of the site building and for PCE in the sub slab soil vapor.

6.0 Recommendations

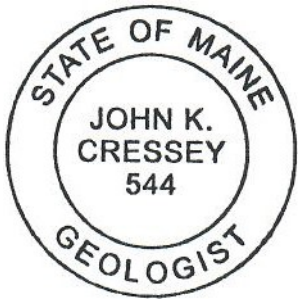
Beacon recommends the following:

- Indoor air and/or subslab soil vapor should be collected from the business and the residence to the north, the business to the south, the residence to the south, and the residences to the west;
- A vapor mitigation system should be designed and installed in the subslab to mitigate the impacted soil gas;
- The floor drains should be further investigated and closed out in accordance with MEDEP rules; and
- The property owner should consider applying to the MEDEP Voluntary Response Action Program (VRAP) to obtain liability protections afforded by Maine law.

7.0 Signature

BEACON ENVIRONMENTAL CONSULTANTS, LLC

John K. Cressey, LG, PG
President/Principal Geologist



TABLES

TABLE 2 - SOIL SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						B-03 (1-3')		B-11 (1-3')		HA-06		B-01 (5-6')		B-02 (5-6')		SUBSLAB SOIL	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152556-01		L2152556-02		L2152556-03		L2152556-04		L2152556-05		L2152556-09	
	RES	PARK	COMM	CONSTR	Units		Qual		Qual		Qual		Qual		Qual		Qual
General Chemistry																	
Solids, Total					%	81.7		80.5		78.6		79.6		77.8		83.2	
Volatile Organics by EPA 5035																	
1,1,1,2-Tetrachloroethane	30	410	130	480	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,1,1-Trichloroethane	640	640	640	640	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,1,2,2-Tetrachloroethane	8.9	88	39	150	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,1,2-Trichloroethane	2.2	49	9.4	13	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,1-Dichloroethane	53	980	230	850	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,1-Dichloroethene	340	1100	1200	200	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,1-Dichloropropene					mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,2,3-Trichlorobenzene	86	240	1300	2700	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,2,3-Trichloropropane	0.07	0.2	1.5	4.3	mg/kg	0.0084	U	0.0072	U	0.0022	U	**0.71**	U	0.0026	U	0.0036	U
1,2,4-Trichlorobenzene	86	360	380	400	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,2,4-Trimethylbenzene	180	200	220	220	mg/kg	0.0084	U	0.0072	U	0.0022	U	48		0.0042		0.0036	U
1,2-Dibromo-3-chloropropane	0.078	1.5	0.96	3.5	mg/kg	0.013	U	0.011	U	0.0033	U	**1.1**	U	0.0039	U	0.0054	U
1,2-Dibromoethane	0.54	6.8	2.4	8.9	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,2-Dichlorobenzene	360	370	380	380	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,2-Dichloroethane	6.9	110	30	110	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,2-Dichloroethene, Total					mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,2-Dichloropropane	23	420	99	14	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
1,3,5-Trimethylbenzene	160	170	180	180	mg/kg	0.0084	U	0.0072	U	0.0022	U	2.8		0.0026	U	0.0036	U
1,3-Dichlorobenzene	290	290	300	300	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,3-Dichloropropane	2100	6100	32000	68000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,3-Dichloropropene, Total	27	210	120	120	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
1,4-Dichlorobenzene	39	770	170	620	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
1,4-Dichlorobutane					mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
2,2-Dichloropropane					mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
2-Butanone	20000	25000	28000	11000	mg/kg	0.042		0.075		0.011	U	3.6	U	0.013	U	0.018	U
2-Hexanone	290	1000	2000	300	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
4-Methyl-2-pentanone	3400	3400	3400	3300	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Acetone	52000	81000	100000	98000	mg/kg	0.22		0.36		0.028	U	3.6	U	0.032	U	0.045	U
Acrylonitrile	3.7	34	17	14	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Benzene	17	230	75	240	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Bromobenzene	380	530	650	620	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Bromochloromethane	220	4000	940	330	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Bromodichloromethane	4.4	83	19	70	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Bromoform	280	720	790	890	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Bromomethane	10	160	45	120	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Carbon disulfide	690	720	740	720	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Carbon tetrachloride	9.7	150	43	160	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
Chlorobenzene	410	680	740	740	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Chloroethane	2100	2100	2100	2000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Chloroform	4.7	97	21	75	mg/kg	0.0063	U	0.0054	U	0.0016	U	0.54	U	0.0019	U	0.0027	U
Chloromethane	160	1300	690	1300	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
cis-1,2-Dichloroethene	200	480	1400	1400	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
cis-1,3-Dichloropropene					mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Dibromochloromethane	110	320	530	3000	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U

TABLE 2 - SOIL SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						B-03 (1-3')		B-11 (1-3')		HA-06		B-01 (5-6')		B-02 (5-6')		SUBSLAB SOIL	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152556-01		L2152556-02		L2152556-03		L2152556-04		L2152556-05		L2152556-09	
	RES	PARK	COMM	CONSTR	Units		Qual		Qual		Qual		Qual		Qual		Qual
Dibromomethane	35	800	150	190	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Dichlorodifluoromethane	130	830	550	730	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Ethyl ether	21000	61000	100000	8100	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Ethyl methacrylate	1100	1100	1100	830	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Ethylbenzene	86	400	380	470	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
Hexachlorobutadiene	15	16	16	17	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Isopropylbenzene	260	270	270	270	mg/kg	0.0042	U	0.0036	U	0.0011	U	1.4		0.0013	U	0.0018	U
Methyl tert butyl ether	690	5600	3000	8200	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Methylene chloride	490	1200	2500	1900	mg/kg	0.021	U	0.018	U	0.0055	U	1.8	U	0.0065	U	0.009	U
n-Butylbenzene	5400	15000	80000	34000	mg/kg	0.0042	U	0.0036	U	0.0011	U	4.8		0.0013	U	0.0018	U
n-Propylbenzene	260	260	260	260	mg/kg	0.0042	U	0.0036	U	0.0011	U	5		0.0013	U	0.0018	U
Naphthalene	29	150	120	130	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
o-Chlorotoluene	2100	6100	32000	800	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
p-Chlorotoluene	2100	6100	32000	68000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
p-Isopropyltoluene					mg/kg	0.0042	U	0.0036	U	0.0011	U	4.9		0.0013	U	0.0018	U
sec-Butylbenzene	11000	30000	100000	34000	mg/kg	0.0042	U	0.0036	U	0.0011	U	3.9		0.0026		0.0018	U
Styrene	830	860	870	860	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
tert-Butylbenzene	11000	30000	100000	34000	mg/kg	0.0084	U	0.0072	U	0.0022	U	0.71	U	0.0026	U	0.0036	U
Tetrachloroethene	120	150	160	84	mg/kg	0.0021	U	0.0018	U	0.0016		0.18	U	0.00065	U	0.0012	
Tetrahydrofuran	27000	100000	100000	20000	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Toluene	750	790	810	820	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
trans-1,2-Dichloroethene	100	1400	450	1200	mg/kg	0.0063	U	0.0054	U	0.0016	U	0.54	U	0.0019	U	0.0027	U
trans-1,3-Dichloropropene					mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
trans-1,4-Dichloro-2-butene	0.11	2.5	0.48	1.8	mg/kg	0.021	U	0.018	U	0.0055	U	**1.8**	U	0.0065	U	0.009	U
Trichloroethene	6.1	77	28	4.2	mg/kg	0.0021	U	0.0018	U	0.00055	U	0.18	U	0.00065	U	0.0009	U
Trichlorofluoromethane	32000	91000	100000	940	mg/kg	0.017	U	0.014	U	0.0044	U	1.4	U	0.0052	U	0.0072	U
Vinyl acetate	1400	2700	2700	140	mg/kg	0.042	U	0.036	U	0.011	U	3.6	U	0.013	U	0.018	U
Vinyl chloride	0.64	0.71	24	63	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.36	U	0.0013	U	0.0018	U
Xylenes, Total	260	260	260	260	mg/kg	0.0042	U	0.0036	U	0.0011	U	0.84		0.0013	U	0.0018	U
Volatile Petroleum Hydrocarbons																	
C5-C8 Aliphatics, Adjusted	1700	7500	11000	430	mg/kg	9.04	U	9.94	U	7.63	U	27.2		9.45	U	7.39	U
C9-C10 Aromatics	660	4700	3500	2600	mg/kg	9.04	U	9.94	U	7.63	U	420		9.45	U	7.39	U
C9-C12 Aliphatics, Adjusted	2500	17000	14000	2300	mg/kg	9.04	U	9.94	U	7.63	U	474		12.2		7.39	U
EPH w/Targets via GCMS-SIM																	
2-Methylnaphthalene	330	930	4100	960	mg/kg	0.031	U	0.033	U	0.032	U	0.039		0.033	U	0.031	U
Acenaphthene	4900	14000	62000	48000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Acenaphthylene	4900	14000	45000	48000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Anthracene	25000	70000	100000	100000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Benzo(a)anthracene	16	45	280	1700	mg/kg	0.031	U	0.033	U	0.032	U	0.055		0.033	U	0.031	U
Benzo(a)pyrene	1.6	4.5	29	9.9	mg/kg	0.031	U	0.033	U	0.032	U	0.053		0.033	U	0.031	U
Benzo(b)fluoranthene	16	45	290	1700	mg/kg	0.031	U	0.033	U	0.032	U	0.077		0.04		0.031	U
Benzo(ghi)perylene	2500	7000	23000	72000	mg/kg	0.031	U	0.033	U	0.032	U	0.037		0.033	U	0.031	U
Benzo(k)fluoranthene	160	450	2900	17000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
C11-C22 Aromatics, Adjusted	2600	7300	33000	74000	mg/kg	20.6		23.4		7.99	U	9.96		8.34	U	7.73	U
C19-C36 Aliphatics	100000	100000	100000	100000	mg/kg	27.2		28.5		7.99	U	11.6		8.69		16	
C9-C18 Aliphatics	2500	17000	14000	4800	mg/kg	7.84	U	8.26	U	7.99	U	186		8.34	U	7.73	U
Chrysene	1600	4500	29000	100000	mg/kg	0.031	U	0.033	U	0.032	U	0.055		0.033	U	0.031	U

TABLE 2 - SOIL SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						B-03 (1-3')		B-11 (1-3')		HA-06		B-01 (5-6')		B-02 (5-6')		SUBSLAB SOIL	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152556-01		L2152556-02		L2152556-03		L2152556-04		L2152556-05		L2152556-09	
	RES	PARK	COMM	CONSTR	Units		Qual		Qual		Qual		Qual		Qual		Qual
Dibenzo(a,h)anthracene	1.6	4.5	29	170	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Fluoranthene	3300	9300	41000	24000	mg/kg	0.031	U	0.033	U	0.032	U	0.129		0.072		0.054	
Fluorene	3300	9300	41000	96000	mg/kg	0.031	U	0.033	U	0.032	U	0.033	U	0.033	U	0.031	U
Indeno(1,2,3-cd)Pyrene	16	45	290	1700	mg/kg	0.031	U	0.033	U	0.032	U	0.044		0.033	U	0.031	U
Naphthalene	29	150	120	130	mg/kg	0.031	U	0.033	U	0.032	U	0.429		0.033	U	0.031	U
Phenanthrene	2500	7000	23000	72000	mg/kg	0.031	U	0.033	U	0.032	U	0.082		0.033	U	0.044	
Pyrene	2500	7000	31000	72000	mg/kg	0.031	U	0.033	U	0.032	U	0.105		0.067		0.049	

Notes:
Sample results compared to MEDEP Remedial Action Guidelines (RAGs) for Residential (RES), Park User (PARK), Commercial Worker (COMM), and Construction Worker (CONSTR)
mg/kg = milligrams per kilogram
U = Not detected above the laboratory detection limit

1.1	= Laboratory detection limit above the MEDEP RAG for Residential and Commercial
0.71	= Laboratory detection limit above the MEDEP RAG for Residential and Park User
1.8	= Laboratory detection limit above the MEDEP RAG for Residential, Commercial, and Construction

B-11 is a duplicate of B-03

TABLE 3 - GROUNDWATER ANALYTICAL RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID				MW-02		MW-11		SUBSLAB	
SAMPLING DATE				28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID				L2152556-06		L2152556-07		L2152556-08	
	RES	CONST	Units		Qual		Qual		Qual
Volatile Organics by GC/MS									
1,1,1,2-Tetrachloroethane	5.7	620	ug/l	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	8000	29000	ug/l	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.76	90	ug/l	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.42	12	ug/l	**0.75**	U	**0.75**	U	**0.75**	U
1,1-Dichloroethane	28	2200	ug/l	0.75	U	0.75	U	0.75	U
1,1-Dichloroethene	290	390	ug/l	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene			ug/l	1	U	1	U	1	U
1,2,3-Trichlorobenzene	7	2900	ug/l	1	U	1	U	1	U
1,2,3-Trichloropropane	0.0075	2.1	ug/l	**1**	U	**1**	U	**1**	U
1,2,4-Trichlorobenzene	4	140	ug/l	1	U	1	U	1	U
1,2,4-Trimethylbenzene	56	1000	ug/l	5.4		6		1	U
1,2-Dibromo-3-chloropropane	0.0033	1.2	ug/l	**1**	U	**1**	U	**1**	U
1,2-Dibromoethane	0.075	8.7	ug/l	**1**	U	**1**	U	**1**	U
1,2-Dichlorobenzene	300	12000	ug/l	1	U	1	U	1	U
1,2-Dichloroethane	1.7	140	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total			ug/l	0.9		0.98		0.55	
1,2-Dichloropropane	8.3	22	ug/l	1	U	1	U	1	U
1,3,5-Trimethylbenzene	60	1100	ug/l	1.7		2		1	U
1,3-Dichlorobenzene	300	6200	ug/l	1	U	1	U	1	U
1,3-Dichloropropane	370	100000	ug/l	1	U	1	U	1	U
1,3-Dichloropropene, Total	4.7	200	ug/l	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	4.8	400	ug/l	1	U	1	U	1	U
1,4-Dichlorobutane			ug/l	5	U	5	U	5	U
2,2-Dichloropropane			ug/l	1	U	1	U	1	U
2-Butanone	5600	9000	ug/l	5	U	5	U	5	U
2-Hexanone	38	240	ug/l	5	U	5	U	5	U
4-Methyl-2-pentanone	6300	5800	ug/l	5	U	5	U	5	U
Acetone	14000	100000	ug/l	5	U	5	U	5	U
Acrylonitrile	0.52	11	ug/l	**5**	U	**5**	U	**5**	U
Benzene	4.6	350	ug/l	0.5	U	0.5	U	0.5	U
Bromobenzene	62	1200	ug/l	1	U	1	U	1	U
Bromochloromethane	83	600	ug/l	1	U	1	U	1	U
Bromodichloromethane	1.3	130	ug/l	0.5	U	0.5	U	0.5	U
Bromoform	33	5500	ug/l	1	U	1	U	1	U
Bromomethane	7.6	490	ug/l	1	U	1	U	1	U
Carbon disulfide	810	3100	ug/l	1	U	1	U	1	U
Carbon tetrachloride	4.6	700	ug/l	0.5	U	0.5	U	0.5	U
Chlorobenzene	78	2600	ug/l	0.5	U	0.5	U	0.5	U
Chloroethane	21000	16000	ug/l	1	U	1	U	1	U
Chloroform	2.2	170	ug/l	0.75	U	0.75	U	0.75	U
Chloromethane	190	11000	ug/l	2	U	2	U	2	U
cis-1,2-Dichloroethene	35	3700	ug/l	0.9		0.98		0.55	
cis-1,3-Dichloropropene			ug/l	0.5	U	0.5	U	0.5	U
Dibromochloromethane	8.7	53000	ug/l	0.5	U	0.5	U	0.5	U
Dibromomethane	8.3	280	ug/l	1	U	1	U	1	U
Dichlorodifluoromethane	200	5400	ug/l	2	U	2	U	2	U
Ethyl ether	3900	14000	ug/l	1	U	1	U	1	U
Ethyl methacrylate	630	12000	ug/l	5	U	5	U	5	U
Ethylbenzene	15	1400	ug/l	0.67		0.8		0.5	U
Hexachlorobutadiene	1.4	230	ug/l	0.5	U	0.5	U	0.5	U
Isopropylbenzene	450	500	ug/l	0.57		0.7		0.5	U
Methyl tert butyl ether	140	13000	ug/l	1	U	1	U	1	U
Methylene chloride	110	4900	ug/l	3	U	3	U	3	U
n-Butylbenzene	1000	100000	ug/l	0.5	U	0.5	U	0.5	U
n-Propylbenzene	660	4900	ug/l	1.6		1.7		0.5	U
Naphthalene	1.2	19	ug/l	1	U	1	U	1	U
o-Chlorotoluene	240	3300	ug/l	1	U	1	U	1	U
p-Chlorotoluene	250	100000	ug/l	1	U	1	U	1	U
p-Isopropyltoluene			ug/l	0.5	U	0.5	U	0.5	U
sec-Butylbenzene	2000	100000	ug/l	0.74		0.81		0.5	U
Styrene	1200	15000	ug/l	1	U	1	U	1	U
tert-Butylbenzene	690	25000	ug/l	1	U	1	U	1	U
Tetrachloroethene	41	250	ug/l	1.6		1.4		1.4	
Tetrahydrofuran	3400	16000	ug/l	2	U	2	U	2	U
Toluene	1100	24000	ug/l	0.75	U	0.75	U	0.75	U
trans-1,2-Dichloroethene	68	3900	ug/l	0.75	U	0.75	U	0.75	U
trans-1,3-Dichloropropene			ug/l	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	0.013	1	ug/l	***2.5***	U	***2.5***	U	***2.5***	U
Trichloroethene	2.8	12	ug/l	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	5200	5900	ug/l	1	U	1	U	1	U
Vinyl acetate	410	180	ug/l	5	U	5	U	5	U
Vinyl chloride	0.19	0.22	ug/l	**0.3**		**0.38**		**0.2**	U
Xylenes, Total	190	2100	ug/l	1.4		1.6		1	U
Volatile Petroleum Hydrocarbons									
C5-C8 Aliphatics, Adjusted	180	960	ug/l	131		122		50	U
C9-C10 Aromatics	71	2700	ug/l	50	U	50	U	50	U
C9-C12 Aliphatics, Adjusted	350	3700	ug/l	73.4		76		50	U
EPH w/Targets via GCMS-SIM									
2-Methylnaphthalene	36	1500	ug/l	0.4	U	0.4	U	0.4	U
Acenaphthene	540	74000	ug/l	0.4	U	0.4	U	0.4	U
Acenaphthylene	520	71000	ug/l	0.4	U	0.4	U	0.4	U

TABLE 3 - GROUNDWATER ANALYTICAL RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID				MW-02		MW-11		SUBSLAB	
SAMPLING DATE				28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID				L2152556-06		L2152556-07		L2152556-08	
Anthracene	1800	100000	ug/l	0.4	U	0.4	U	0.4	U
Benzo(a)anthracene	0.3	470	ug/l	**0.4**	U	**0.4**	U	**0.4**	U
Benzo(a)pyrene	0.25	11000	ug/l	0.2	U	0.2	U	0.2	U
Benzo(b)fluoranthene	2.5	100000	ug/l	0.4	U	0.4	U	0.4	U
Benzo(ghi)perylene	600	100000	ug/l	0.4	U	0.4	U	0.4	U
Benzo(k)fluoranthene	25	100000	ug/l	0.4	U	0.4	U	0.4	U
C11-C22 Aromatics, Adjusted	600	100000	ug/l	100	U	100	U	100	U
C19-C36 Aliphatics	40000	100000	ug/l	100	U	100	U	100	U
C9-C18 Aliphatics	350	3900	ug/l	100	U	100	U	100	U
Chrysene	250	100000	ug/l	0.4	U	0.4	U	0.4	U
Dibenzo(a,h)anthracene	0.25	26000	ug/l	**0.4**	U	**0.4**	U	**0.4**	U
Fluoranthene	800	100000	ug/l	0.4	U	0.4	U	0.4	U
Fluorene	290	100000	ug/l	0.4	U	0.4	U	0.4	U
Indeno(1,2,3-cd)Pyrene	2.5	100000	ug/l	0.4	U	0.4	U	0.4	U
Naphthalene	1.2	19	ug/l	0.4	U	0.4	U	0.4	U
Phenanthrene	180	58000	ug/l	0.4	U	0.4	U	0.4	U
Pyrene	120	36000	ug/l	0.4	U	0.4	U	0.4	U

Sample Results Comparison with MEDEP Remedial Action Guidelines (RAGs) for Groundwater for Residential (RES) and Construction Worker (CONST) Scenarios.

ug/l = micrograms per kilograms

U = Not Detected Above the Laboratory Detection Limit

2	= Laboratory detection limit above the Residential RAG
2.5	= Laboratory detection limit above the Residential and Construction RAG
0.3	= Analytical result above the Residential and Construction RAG

MW-11 is a duplicate of MW-02

TABLE 4 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						HA-05		HA-04		HA-07		SV-06		SV-03		SSV-01		SSV-02	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-01		L2152622-02		L2152622-03		L2152622-04		L2152622-05		L2152622-06		L2152622-07	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual		Qual		Qual		Qual		Qual		Qual
Volatile Organics in Air by SIM																			
1,1,1-Trichloroethane	5200	173333	22000	733333	ug/m3	0.158	U	0.109	U	0.137	U	0.109	U	0.109	U	1.09	U	2.73	U
1,1,2,2-Tetrachloroethane	0.48	16	2.1	70	ug/m3	0.198	U	0.137	U	0.173	U	0.137	U	0.137	U	1.37	U	3.43	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5200	173333	22000	733333	ug/m3	0.553	U	0.491		0.484	U	0.429		0.475		3.83	U	9.58	U
1,1,2-Trichloroethane	0.21	7	0.88	29.3	ug/m3	0.158	U	0.109	U	0.137	U	0.109	U	0.109	U	1.09	U	2.73	U
1,1-Dichloroethane	18	600	77	2567	ug/m3	0.117	U	0.081	U	0.102	U	0.081	U	0.081	U	0.809	U	2.02	U
1,1-Dichloroethene	210	7000	880	29333	ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	0.793	U	1.98	U
1,2,4-Trichlorobenzene	2.1	70	8.8	293	ug/m3	0.536	U	0.371	U	0.468	U	0.371	U	0.371	U	3.71	U	9.28	U
1,2,4-Trimethylbenzene	63	2100	260	8667	ug/m3	0.639		1.14		0.223		1.74		3.06		1.87		2.46	U
1,2-Dibromoethane	0.047	1.57	0.2	6.7	ug/m3	0.222	U	0.154	U	0.194	U	0.154	U	0.154	U	1.54	U	**3.84**	**U**
1,2-Dichloro-1,1,2,2-tetrafluoroethane					ug/m3	0.505	U	0.349	U	0.441	U	0.349	U	0.349	U	3.49	U	8.74	U
1,2-Dichlorobenzene	210	7000	880	29333	ug/m3	0.174	U	0.12	U	0.152	U	0.12	U	0.12	U	1.2	U	3.01	U
1,2-Dichloroethane	1.1	36.7	4.7	157	ug/m3	0.117	U	0.081	U	0.102	U	0.081	U	0.081	U	0.809	U	2.02	U
1,2-Dichloroethene (total)					ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	3.81		10.5	
1,2-Dichloropropane	4.2	140	18	600	ug/m3	0.134		0.102		0.116	U	0.18		0.092	U	0.924	U	2.31	U
1,3,5-Trimethylbenzene	63	2100	260	8667	ug/m3	0.199		0.305		0.124	U	0.472		0.939		0.983	U	2.46	U
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	0.064	U	0.058		0.056	U	0.1		29.9		0.442	U	1.11	U
1,3-Dichlorobenzene					ug/m3	0.174	U	0.156		0.152	U	0.331		0.367		1.2	U	3.01	U
1,3-Dichloropropene, Total	7	233	31	1033	ug/m3	0.131	U	0.091	U	0.114	U	0.091	U	0.091	U	0.908	U	2.27	U
1,4-Dichlorobenzene	2.6	87	11	367	ug/m3	0.174	U	0.12	U	0.152	U	0.12	U	0.12	U	1.2	U	3.01	U
1,4-Dioxane	5.6	187	25	833	ug/m3	0.519	U	0.36	U	0.454	U	0.36	U	0.36	U	3.6	U	9.01	U
2,2,4-Trimethylpentane					ug/m3	1.35	U	0.934	U	1.18	U	0.934	U	0.934	U	9.34	U	23.4	U
2-Butanone	5200	173333	22000	733333	ug/m3	2.13	U	1.73		1.86	U	3.01		32.7		14.7	U	36.9	U
2-Hexanone	31	1033	130	4333	ug/m3	1.18	U	0.82	U	1.03	U	0.82	U	0.82	U	8.2	U	20.5	U
3-Chloropropene	1	33	4.4	147	ug/m3	0.905	U	0.626	U	0.789	U	0.626	U	0.626	U	6.26	U	15.7	U
4-Ethyltoluene					ug/m3	0.142	U	0.251		0.124	U	0.359		0.733		0.983	U	2.46	U
4-Methyl-2-pentanone	3100	103333	13000	433333	ug/m3	2.96	U	2.05	U	2.59	U	2.05	U	2.05	U	20.5	U	51.2	U
Acetone	32000	1066667	140000	4666667	ug/m3	10		9.15		15.4		17.6		94.3		23.8	U	59.4	U
Benzene	3.6	120	16	533	ug/m3	0.46	U	0.642		0.403	U	0.569		8.95		3.19	U	7.99	U
Benzyl chloride	0.57	19	2.5	83	ug/m3	1.5	U	1.04	U	1.3	U	1.04	U	1.04	U	10.4	U	25.9	U
Bromodichloromethane	0.76	25.3	3.3	110	ug/m3	0.194	U	0.134	U	0.169	U	0.134	U	0.134	U	1.34	U	3.35	U
Bromoform	26	867	110	3667	ug/m3	0.299	U	0.207	U	0.261	U	0.207	U	0.207	U	2.07	U	5.17	U
Bromomethane	5.2	173	22	733	ug/m3	0.112	U	0.078	U	0.098	U	0.078	U	0.078	U	0.777	U	1.94	U
Carbon disulfide	730	24333	3100	103333	ug/m3	0.9	U	0.623	U	0.785	U	0.623	U	43.9		6.23	U	15.6	U
Carbon tetrachloride	4.7	157	20	667	ug/m3	0.527		0.403		0.452		0.189		0.333		1.26	U	3.15	U
Chlorobenzene	52	1733	220	7333	ug/m3	0.663	U	0.461	U	0.58	U	0.461	U	0.461	U	4.61	U	11.5	U
Chloroethane	10000	333333	44000	1466667	ug/m3	0.38	U	0.264	U	0.332	U	0.264	U	0.264	U	2.64	U	6.6	U
Chloroform	1.2	40	5.3	177	ug/m3	0.141	U	2.04		0.228		0.884		0.098	U	0.977	U	2.44	U
Chloromethane	94	3133	390	13000	ug/m3	1.13		0.461		1.08		0.413	U	1.67		4.13	U	10.3	U
cis-1,2-Dichloroethene	830	27667	3500	116667	ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	1.11		2.78	
cis-1,3-Dichloropropene					ug/m3	0.131	U	0.091	U	0.114	U	0.091	U	0.091	U	0.908	U	2.27	U
Cyclohexane	6300	210000	26000	866667	ug/m3	0.995	U	0.688	U	0.867	U	0.688	U	1.81		6.88	U	17.2	U
Dibromochloromethane					ug/m3	0.246	U	0.17	U	0.215	U	0.17	U	0.17	U	1.7	U	4.26	U
Dichlorodifluoromethane	100	3333	440	14667	ug/m3	2.43		2.4		2.28		2.34		5.64		9.89	U	24.7	U
Ethyl Acetate					ug/m3	2.6	U	1.8	U	2.27	U	1.8	U	1.8	U	18	U	45	U
Ethyl Alcohol					ug/m3	13.6	U	9.42	U	11.9	U	19		18.3		94.2	U	236	U
Ethylbenzene	11	367	49	1633	ug/m3	0.338		1.95		0.203		1.58		4.47		1.87		2.5	

TABLE 4 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						HA-05		HA-04		HA-07		SV-06		SV-03		SSV-01		SSV-02	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-01		L2152622-02		L2152622-03		L2152622-04		L2152622-05		L2152622-06		L2152622-07	
Heptane					ug/m3	1.18	U	0.82	U	1.03	U	1.2		7.46		8.2	U	20.5	U
Hexachlorobutadiene	1.3	43	5.6	187	ug/m3	0.77	U	0.533	U	0.673	U	0.533	U	0.533	U	5.33	U	13.3	U
iso-Propyl Alcohol	210	7000	880	29333	ug/m3	1.77	U	1.23	U	1.55	U	1.23	U	1.32		12.3	U	30.7	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	1.04	U	0.721	U	0.909	U	0.721	U	0.721	U	7.21	U	18	U
Methylene chloride	630	21000	2600	86667	ug/m3	2.51	U	1.74	U	2.19	U	1.74	U	7.36		17.4	U	43.4	U
n-Hexane	730	24333	3100	103333	ug/m3	1.02	U	0.705	U	0.888	U	1.19		14.8		7.05	U	17.6	U
Naphthalene	0.83	27.7	3.6	120	ug/m3	0.379	U	0.262	U	0.331	U	0.435		0.388		2.62	U	6.55	U
Propylene					ug/m3	1.24	U	0.861	U	1.09	U	1.24		523		8.61	U	21.5	U
Styrene	1000	33333	4400	146667	ug/m3	0.123	U	0.132		0.107	U	0.128		1.09		0.852	U	2.13	U
Tetrachloroethene	42	1400	180	6000	ug/m3	0.47		76.6		0.773		2.09		0.509		**2090**		**5560**	
Tetrahydrofuran	2100	70000	8800	293333	ug/m3	2.13	U	1.47	U	1.86	U	1.47	U	1.47	U	14.7	U	36.9	U
Toluene	5200	173333	22000	733333	ug/m3	3.55		4.64		0.923		5.77		12.3		9.04		9.42	U
trans-1,2-Dichloroethene	42	1400	180	6000	ug/m3	0.115	U	0.079	U	0.1	U	0.079	U	0.079	U	2.7		7.73	
trans-1,3-Dichloropropene					ug/m3	0.131	U	0.091	U	0.114	U	0.091	U	0.091	U	0.908	U	2.27	U
Trichloroethene	2.1	70	8.8	293	ug/m3	0.155	U	0.161		0.135	U	0.107	U	0.107	U	**495**		**1280**	
Trichlorofluoromethane					ug/m3	1.19		1.17		1.08		1.19		1.03		2.81	U	7.02	U
Vinyl acetate	210	7000	880	29333	ug/m3	5.07	U	3.52	U	4.44	U	3.52	U	3.52	U	35.2	U	88	U
Vinyl bromide	1.9	63	8.2	273	ug/m3	1.26	U	0.874	U	1.1	U	0.874	U	0.874	U	8.74	U	21.9	U
Vinyl chloride	1.7	57	28	933	ug/m3	0.074	U	0.051	U	0.064	U	0.051	U	0.051	U	0.511	U	1.28	U
Xylene (Total)	100	3333	440	14667	ug/m3	1.6		11.7		1.02		8.99		17.2		9.86		13.5	
Petroleum Hydrocarbons in Air																			
1,3-Butadiene	0.94	31	4.1	137	ug/m3	0.7	U	0.5	U	0.65	U	0.5	U	**38**		5	U	12	U
Benzene	3.6	120	16	533	ug/m3	0.84	U	0.75		0.78	U	0.66		10		6	U	15	U
C5-C8 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	22		28		22		66		660		100	U	250	U
C9-C10 Aromatics Total	52	1733	220	7333	ug/m3	14	U	10	U	13	U	10	U	14		100	U	250	U
C9-C12 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	14	U	10	U	13	U	31		130		100	U	250	U
Ethylbenzene	11	367	49	1633	ug/m3	1.3	U	1.8		1.2	U	1.5		4.1		9	U	22	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	0.98	U	0.7	U	0.91	U	0.7	U	0.7	U	7	U	18	U
Naphthalene	0.83	28	3.6	120	ug/m3	1.5	U	1.1	U	1.4	U	1.1	U	1.1	U	11	U	**28**	U
Toluene	5200	173333	22000	733333	ug/m3	3.5		4.8		1.2	U	5.9		12		9.1		22	U
Xylenes, Total	100	3333	440	14667	ug/m3	1.3	U	10.7		1.2	U	8.3		15.7		9	U	22	U

Notes:

Sample results compared to MEDEP RAGs for Indoor Air Residential (RES) and Commercial (COMM) Scenarios
RES/0.03 and COM/0.03 = Guidelines after Attenuation Factor Used
ug/m3 = micrograms per cubic meter
U = Not Detected Above the Laboratory Detection Limit
32 = Detected above the RES RAG
203 = Detected above the RES & COMM RAG
SSV-02 is a duplicate of SSV-01

TABLE 4 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SV-01		SV-02		HA-09		HA-01	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-08		L2152622-09		L2152622-10		L2152622-11	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual		Qual		Qual
Volatile Organics in Air by SIM													
1,1,1-Trichloroethane	5200	173333	22000	733333	ug/m3	1.09	U	0.218	U	0.698		0.109	U
1,1,2,2-Tetrachloroethane	0.48	16	2.1	70	ug/m3	1.37	U	0.275	U	0.298	U	0.137	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5200	173333	22000	733333	ug/m3	3.83	U	0.766	U	0.828	U	0.636	
1,1,2-Trichloroethane	0.21	7	0.88	29.3	ug/m3	1.09	U	0.218	U	0.237	U	0.109	U
1,1-Dichloroethane	18	600	77	2567	ug/m3	0.809	U	0.162	U	0.176	U	0.081	U
1,1-Dichloroethene	210	7000	880	29333	ug/m3	0.793	U	0.159	U	0.172	U	0.079	U
1,2,4-Trichlorobenzene	2.1	70	8.8	293	ug/m3	3.71	U	0.742	U	0.802	U	0.371	U
1,2,4-Trimethylbenzene	63	2100	260	8667	ug/m3	**12000**		**14.8**		**73.3**		**1.71**	
1,2-Dibromoethane	0.047	1.57	0.2	6.7	ug/m3	1.54	U	0.307	U	0.334	U	0.154	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane					ug/m3	3.49	U	0.699	U	0.755	U	0.349	U
1,2-Dichlorobenzene	210	7000	880	29333	ug/m3	1.2	U	0.24	U	0.444		0.12	U
1,2-Dichloroethane	1.1	36.7	4.7	157	ug/m3	0.809	U	0.162	U	0.176	U	0.081	U
1,2-Dichloroethene (total)					ug/m3	127		1.13		4.96		0.079	U
1,2-Dichloropropane	4.2	140	18	600	ug/m3	0.924	U	0.185	U	0.201	U	0.092	U
1,3,5-Trimethylbenzene	63	2100	260	8667	ug/m3	**5310**		4.04		50.1		0.418	
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	**58.6**		0.102		0.595		0.119	
1,3-Dichlorobenzene					ug/m3	1.2	U	0.421		0.98		0.295	
1,3-Dichloropropene, Total	7	233	31	1033	ug/m3	0.908	U	0.182	U	0.197	U	0.091	U
1,4-Dichlorobenzene	2.6	87	11	367	ug/m3	1.2	U	0.24	U	1.21		0.12	U
1,4-Dioxane	5.6	187	25	833	ug/m3	3.6	U	0.721	U	0.782	U	0.36	U
2,2,4-Trimethylpentane					ug/m3	9.34	U	1.87	U	2.03	U	0.934	U
2-Butanone	5200	173333	22000	733333	ug/m3	14.7	U	4.69		8.29		2.14	
2-Hexanone	31	1033	130	4333	ug/m3	8.2	U	1.64	U	1.78	U	0.82	U
3-Chloropropene	1	33	4.4	147	ug/m3	6.26	U	1.25	U	1.36	U	0.626	U
4-Ethyltoluene					ug/m3	3140		3.66		25.7		0.379	
4-Methyl-2-pentanone	3100	103333	13000	433333	ug/m3	20.5	U	4.1	U	4.43	U	2.05	U
Acetone	32000	1066667	140000	4666667	ug/m3	47.3		24.7		30.2		11.5	
Benzene	3.6	120	16	533	ug/m3	12.9		0.639	U	3.58		0.319	U
Benzyl chloride	0.57	19	2.5	83	ug/m3	10.4	U	2.07	U	2.25	U	1.04	U
Bromodichloromethane	0.76	25.3	3.3	110	ug/m3	1.34	U	0.268	U	0.291	U	0.255	
Bromoform	26	867	110	3667	ug/m3	2.07	U	0.414	U	0.449	U	0.207	U
Bromomethane	5.2	173	22	733	ug/m3	0.777	U	0.155	U	0.169	U	0.078	U
Carbon disulfide	730	24333	3100	103333	ug/m3	17.3		1.25	U	5.14		0.623	U
Carbon tetrachloride	4.7	157	20	667	ug/m3	1.26	U	0.252		0.273	U	0.157	
Chlorobenzene	52	1733	220	7333	ug/m3	4.61	U	0.921	U	0.999	U	0.461	U
Chloroethane	10000	333333	44000	1466667	ug/m3	2.64	U	0.528	U	0.573	U	0.264	U
Chloroform	1.2	40	5.3	177	ug/m3	1.76		2.81		4.11		**56.6**	
Chloromethane	94	3133	390	13000	ug/m3	4.48		0.826	U	0.896	U	0.413	U
cis-1,2-Dichloroethene	830	27667	3500	116667	ug/m3	111		0.159		4.72		0.079	U
cis-1,3-Dichloropropene					ug/m3	0.908	U	0.182	U	0.197	U	0.091	U
Cyclohexane	6300	210000	26000	866667	ug/m3	6.88	U	1.38	U	1.49	U	0.688	U
Dibromochloromethane					ug/m3	1.7	U	0.341	U	0.37	U	0.17	U
Dichlorodifluoromethane	100	3333	440	14667	ug/m3	9.89	U	2.78		2.65		2.91	
Ethyl Acetate					ug/m3	18	U	3.6	U	3.89	U	1.8	U
Ethyl Alcohol					ug/m3	94.2	U	18.8	U	20.3	U	9.42	U
Ethylbenzene	11	367	49	1633	ug/m3	**851**		1.6		14.8		0.304	

TABLE 4 - SOIL VAPOR AND SUBSLAB SOIL VAPOR ANALYTICAL RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SV-01		SV-02		HA-09		HA-01	
SAMPLING DATE						28-SEP-21		28-SEP-21		28-SEP-21		28-SEP-21	
LAB SAMPLE ID						L2152622-08		L2152622-09		L2152622-10		L2152622-11	
Heptane					ug/m3	17.5		1.64	U	3.61		0.82	U
Hexachlorobutadiene	1.3	43	5.6	187	ug/m3	5.33	U	1.07	U	1.15	U	0.533	U
iso-Propyl Alcohol	210	7000	880	29333	ug/m3	12.3	U	2.46	U	2.65	U	1.23	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	7.21	U	1.44	U	1.56	U	0.721	U
Methylene chloride	630	21000	2600	86667	ug/m3	17.4	U	3.47	U	3.75	U	1.74	U
n-Hexane	730	24333	3100	103333	ug/m3	21.2		1.41	U	5.82		0.705	U
Naphthalene	0.83	27.7	3.6	120	ug/m3	**32.4**		0.524	U	0.739		0.262	U
Propylene					ug/m3	496		1.72	U	6.64		1.16	
Styrene	1000	33333	4400	146667	ug/m3	2.51		0.17	U	152		0.162	
Tetrachloroethene	42	1400	180	6000	ug/m3	633		698		268		26.7	
Tetrahydrofuran	2100	70000	8800	293333	ug/m3	14.7	U	2.95	U	3.95		5.78	
Toluene	5200	173333	22000	733333	ug/m3	41.5		2.66		22.2		0.592	
trans-1,2-Dichloroethene	42	1400	180	6000	ug/m3	15.2		0.975		0.224		0.079	U
trans-1,3-Dichloropropene					ug/m3	0.908	U	0.182	U	0.197	U	0.091	U
Trichloroethene	2.1	70	8.8	293	ug/m3	**111**		33.9		19		0.107	U
Trichlorofluoromethane					ug/m3	2.81	U	1.57		1.51		1.61	
Vinyl acetate	210	7000	880	29333	ug/m3	35.2	U	7.04	U	7.64	U	3.52	U
Vinyl bromide	1.9	63	8.2	273	ug/m3	8.74	U	1.75	U	1.9	U	0.874	U
Vinyl chloride	1.7	57	28	933	ug/m3	10.5		0.102	U	0.111	U	0.051	U
Xylene (Total)	100	3333	440	14667	ug/m3	2760		6.56		69.1		1.65	
Petroleum Hydrocarbons in Air													
1,3-Butadiene	0.94	31	4.1	137	ug/m3	**68**		1	U	1.1	U	0.5	U
Benzene	3.6	120	16	533	ug/m3	15		1.2	U	4.3		0.6	U
C5-C8 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	**31000**		36		800		26	
C9-C10 Aromatics Total	52	1733	220	7333	ug/m3	**44000**		68		550		10	U
C9-C12 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	**170000**		56		1200		17	
Ethylbenzene	11	367	49	1633	ug/m3	**800**		1.8	U	15		0.9	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	7	U	1.4	U	1.5	U	0.7	U
Naphthalene	0.83	28	3.6	120	ug/m3	**32**		2.2	U	2.4	U	1.1	U
Toluene	5200	173333	22000	733333	ug/m3	43		2.6		24		0.9	U
Xylenes, Total	100	3333	440	14667	ug/m3	2500		6.1		66		1	U

Notes:

Sample results compared to MEDEP RAGs for Indoor Air Residential (RES) and Commercial (COMM) Scenarios
RES/0.03 and COM/0.03 = Guidelines after Attenuation Factor Used
ug/m3 = micrograms per cubic meter
U = Not Detected Above the Laboratory Detection Limit
32 = Detected above the RES RAG
203 = Detected above the RES & COMM RAG
SSV-02 is a duplicate of SSV-01

FIGURES

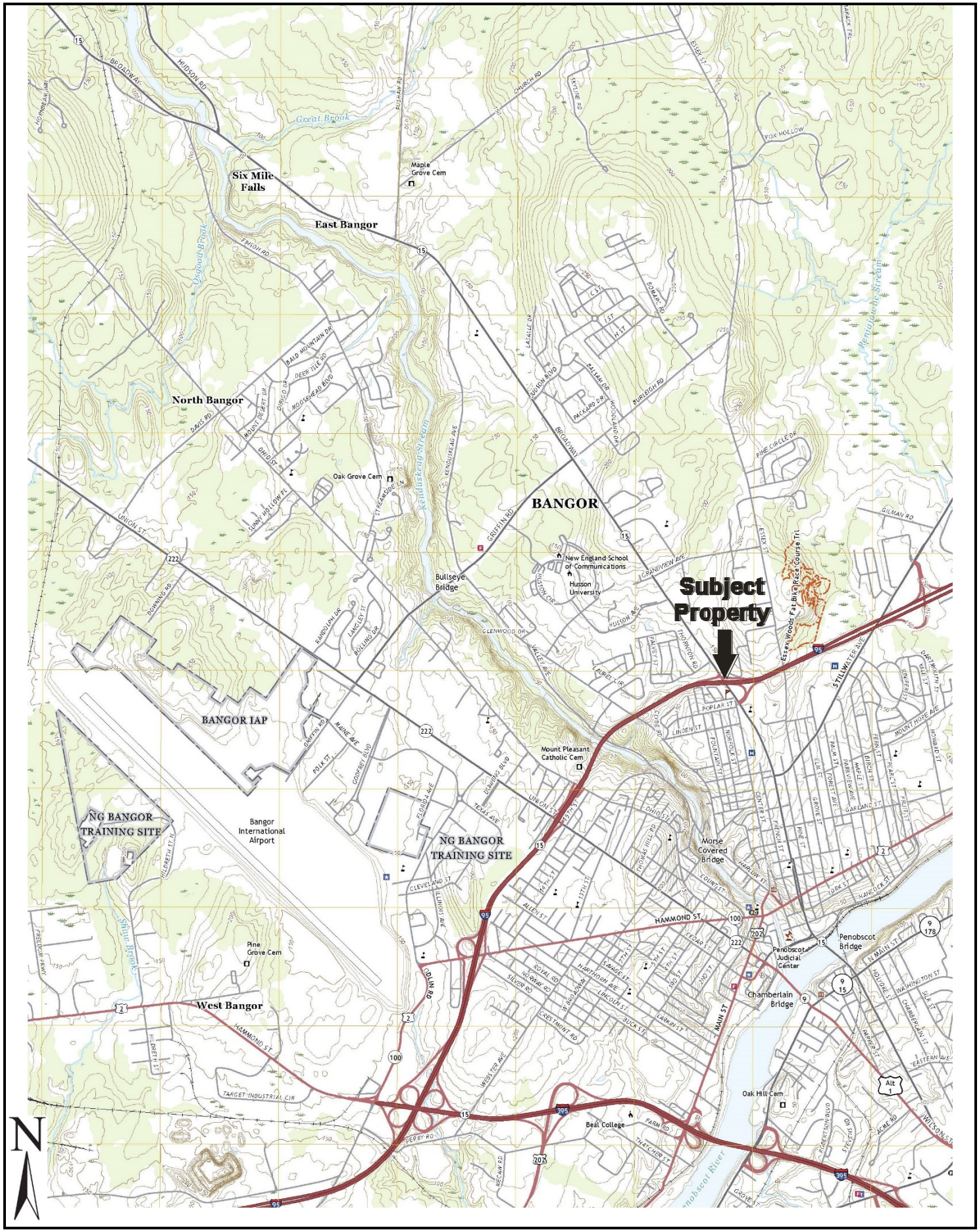


FIGURE 1 – SITE LOCATION MAP
Project No. BE-356

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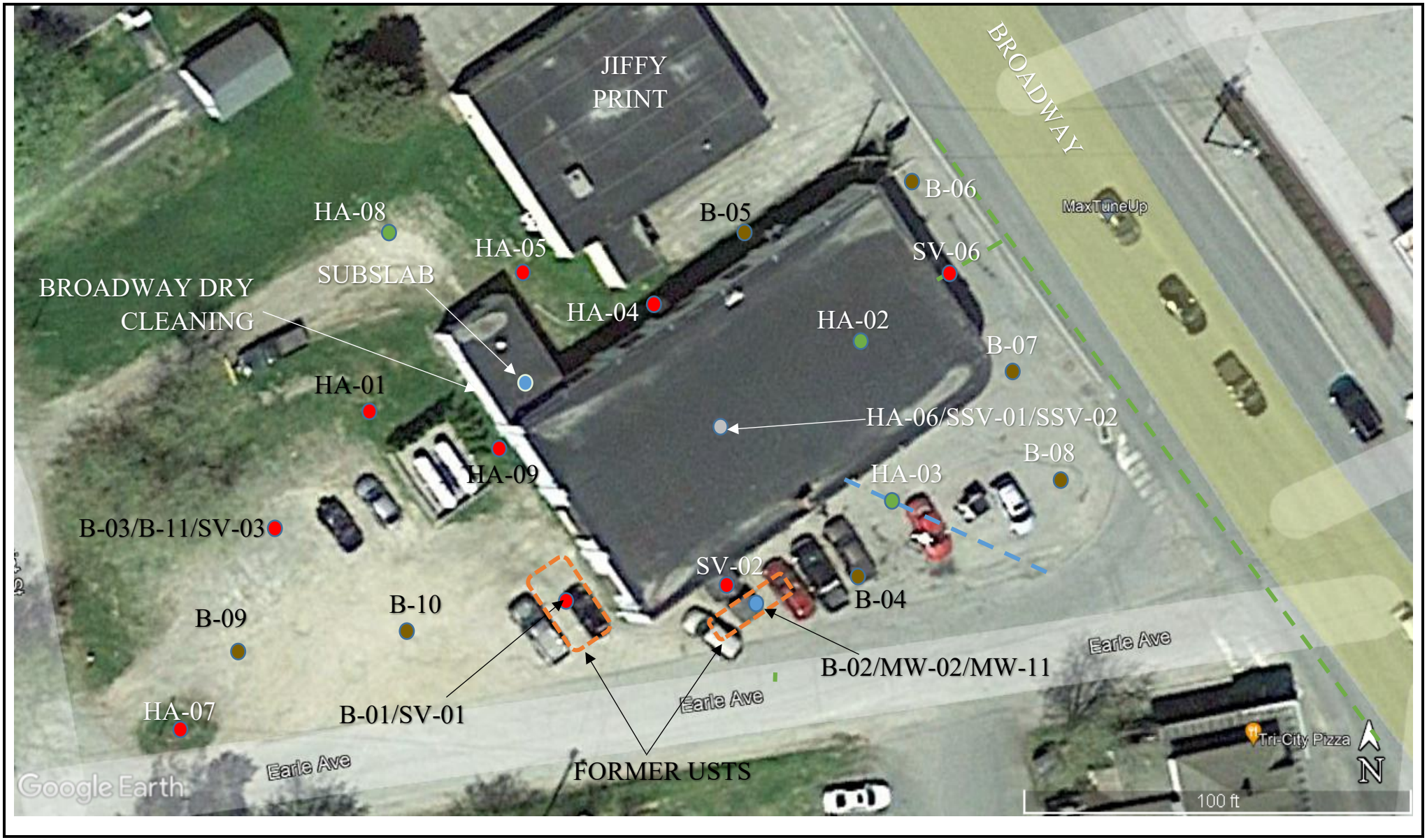

FIGURE 2: SAMPLE LOCATION PLAN
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE
Project No.: BE-356

BEACON Environmental Consultants, LLC

APPENDIX A

SITE PHOTOGRAPHS

Photo No. 1

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Location B-03 in the gravel parking area.

Photo By: JKC

Photo No. 2

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample HA-07 on the southwest corner of the property.

Photo By: JKC

Photo No. 3

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample HA-04 between the site building and Jiffy Print.

Photo By: JKC

Photo No. 4

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample HA-05 near the vehicle maintenance portion of the building.

Photo By: JKC

Photo No. 5

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
August 27, 2021

Description:
Sample SV-06 within the sewer utility corridor.

Photo By: JKC

APPENDIX B

SOIL BORING LOGS

Project: Broadway Dry Cleaning		**Project Number:** BE-356	**Client:** MEDEP	**Boring No.** B-01
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:		**Groundwater Depth:**	**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	32"		0-32" Brown SAND & GRAVEL (Fill)	0.2	
5	S-2	5-10'	60"		0-60" Brown SILTY-SAND, strong petroleum odor	248.5	Lab
10	S-3	10-15"	60"		0-8" Same as above, slight petroleum odor	10.0	
					8-20" Gray SILTY-CLAY, no odor	0.2	
					20-60" Gray CLAY	0.0	
15					Cease @ 15', set well (DRY)		

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Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.
2. Soil sample collected @ 5-6' for VOCs, VPH and EPH.
3. Well set @15', 10" of screen (DRY)

Project: Broadway Dry Cleaning		**Project Number:** BE-356	**Client:** MEDEP	**Boring No.** B-02
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:		**Groundwater Depth:**	**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	25"		0-25" Brown SAND & GRAVEL (Fill)	0.1	
5	S-2	5-10'	45"		0-45" Brown SILTY-SAND, petroleum odor	15.6	Lab
10	S-3	10-15'	60"		0-15" Same as above	4.5	
					15-18" Gray SILTY-CLAY	0.1	
					18-60" Gray CLAY	0.0	
15					Cease @ 15', set well		

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Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.
2. Soil sample collected @ 5-6' for VOCs, VPH and EPH.
3. Well set @ 15', 10' of screen

Project: Broadway Dry Cleaning	**Project Number:** BE-356		**Client:** MEDEP	**Boring No.** B-03
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:	**Groundwater Depth:**		**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	28"		0-8" Brown SAND & GRAVEL (Fill) 8-28" Gray SILTY-CLAY, petroleum odor	2.3	Lab
5	S-2	5-10'	60"		0-60" Same as above, no odor	0.0	
10	S-3	10-15'	60"		0-10" Same as above 10-60" Gray CLAY		
15					Cease @ 15'		

Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.
2. Soil sample and duplicate (B-11) collected @ 1-3' for VOCs, VPH, and EPH.

Project: Broadway Dry Cleaning	**Project Number:** BE-356		**Client:** MEDEP	**Boring No.** B-04
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:	**Groundwater Depth:**		**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	28"		0-3" ASPHALT		
					3-12" Brown SAND & GRAVEL (Fill)		
					12-28" Brown SILTY-SAND	0.0	
5	S-2	5-10'	40"		0-25" Same as above		
					25-40" Brown SILTY-CLAY		
10	S-3	10-15'	60"		0-15" Same as above		
					15-60" Gray CLAY		
15					Cease @ 15'		

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Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.

Project: Broadway Dry Cleaning	**Project Number:** BE-356		**Client:** MEDEP	**Boring No.** B-05
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:		**Groundwater Depth:**	**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	15"		0-3" LOAM 3-15" Brown SAND & GRAVEL (Fill)	0.0	
5	S-2	5-10'	36"		0-36" Brown SILTY-SAND		
10	S-3	10-15'	50"		0-8" Same as above 8-50" Gray CLAY		
15					Cease @ 15'		

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Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.

Project: Broadway Dry Cleaning	**Project Number:** BE-356		**Client:** MEDEP	**Boring No.** B-06
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:	**Groundwater Depth:**		**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	20"		0-4" ASPHALT 4-20" SAND & GRAVEL (Fill)	0.0	
5	S-2	5-10'	35"		0-35" Brown SILTY-SAND		
10	S-3	10-15'	48"		0-10" Same as above 10-48" Gray CLAY		
15					Cease @ 15'		

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Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.

Project: Broadway Dry Cleaning		**Project Number:** BE-356	**Client:** MEDEP	**Boring No.** B-07
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:		**Groundwater Depth:**	**Elevation:**	**Total Depth of Boring:** 10'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	22"		0-3" ASPHALT		
					3-18" Brown SAND & GRAVEL (Fill)		
					18-22" Brown SILTY-SAND	0.0	
5	S-2	5-10'	35"		0-35" Same as above	0.0	
10					Cease @ 10'		
15							

Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.

Project: Broadway Dry Cleaning	**Project Number:** BE-356		**Client:** MEDEP	**Boring No.** B-08
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:	**Groundwater Depth:**		**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	24"		0-3" ASPHALT		
					3-18" Brown SAND & GRAVEL (Fill)		
					18-24" Brown SILTY-SAND	0.0	
5	S-2	5-10'	36"		0-36" Same as above	0.0	
10	S-3	10-15'	46"		0-10" Same as above		
					10-46" Gray CLAY	0.0	
15					Cease @ 15'		

BEACON Environmental Consultants, LLC

Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.

Project: Broadway Dry Cleaning	**Project Number:** BE-356	**Client:** MEDEP	**Boring No.** B-09
Address, City, State: 490 Broadway, Bangor, Maine		**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date **Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier	Date **Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213	Date **Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:	**Groundwater Depth:**	**Elevation:**	**Total Depth of Boring:** 15'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	18"		0-9" Brown SAND & GRAVEL (Fill)		
					9-18" Brown SILTY-SAND	0.1	
5	S-2	5-10'	42"		0-10" Same as above		
					10-42" Brown SILTY-CLAY	0.0	
10	S-3	10-15'	16"		0-15" Same as above		
					15-16" ROCK		
15					Cease @ 15'		

BEACON Environmental Consultants, LLC

Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.

Project: Broadway Dry Cleaning	**Project Number:** BE-356		**Client:** MEDEP	**Boring No.** B-10
Address, City, State: 490 Broadway, Bangor, Maine			**Drilling Contractor:** EPI	**Drill Rig Type:** Geoprobe 6712DT
Logged By: JKC	Date	**Started:** 09/28/21	**Bit Type:**	**Diameter:** 2 1/4"
Drill Crew: Mike Fournier		**Completed:** 09/28/21	**Hammer Type:**	
Digsafe Ticket #: 20213515213		**Backfilled:** 09/28/21	**Hammer Weight:**	**Hammer Drop:**
GPS Coordinates:	**Groundwater Depth:**		**Elevation:**	**Total Depth of Boring:** 10'

Depth (feet)	Sample Number	Penetration	Recovery	Blow Counts (blows/foot)	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID Result (ppm)	Additional Test
	S-1	0-5'	28"		0-10" Brown SAND & GRAVEL (Fill)		
					10-28" Brown SILTY-SAND	0.0	
5	S-2	5-10'	30"		0-10" Same as above		
					10-30" Brown SILTY-CLAY	0.0	
10					Cease @ 10'		
15							

BEACON Environmental Consultants, LLC

Boring Log: Sheet 1 of 1

Notes:

1. Soil samples screened with a MiniRae 3000 PID.

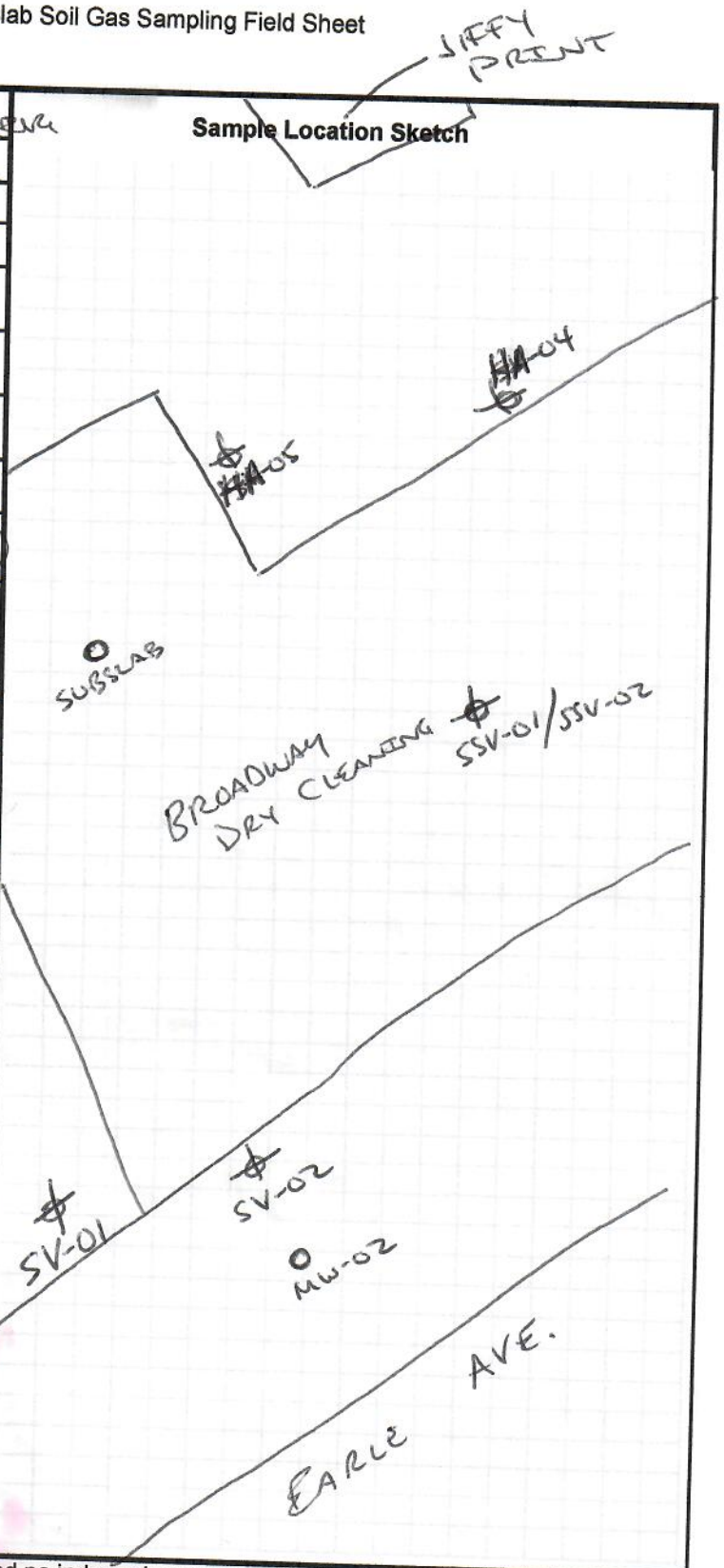
APPENDIX C

SOIL VAPOR SAMPLING SHEETS

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Broadway Dry Cleaners
Town:	Bangor
Date:	9/28/2021
Sample I.D.:	HA-05
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	Cressey
Project Manager	Keen
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	3000
Flow Control I.D.:	01032
Flow control rate:	70 mL/min
O_2 Ambient	20.9%
CO_2 Ambient	0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	7.6%
Pre-Sample CO_2:	>5000 PPM
Pre-Sample PID:	2300 PPB
Pre-Sample CH_4:	0.0 (% Volume, %LEL, PPM)
Sample Initiation Time:	850
Initial Vacuum:	-29.78
Sample End Time:	1108
Final Vaccum:	-15.83
Post Sample O_2:	7.6%
Post Sample CO_2:	>5000 PPM
Post Sample PID	2250 PPB

Sample Location Sketch



Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	BROADWAY DRY CLEANERS
Town:	BANGOR
Date:	8-28-2021
Sample I.D.:	HA-04
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	CRESSEY
Project Manager	KEEN
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	3437
Flow Control I.D.:	01443
Flow control rate:	72
O_2 Ambient	20.9 %
CO_2 Ambient	0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	15.3 %
Pre-Sample CO_2 :	>5000 PPM
Pre-Sample PID:	8500 PPB
Pre-Sample CH_4:	0.0 (% Volume, %LEL, PPM)
Sample Initiation Time:	920
Initial Vacuum:	-29.52
Sample End Time:	950
Final Vaccum:	-4.97
Post Sample O_2 :	15.1 %
Post Sample CO_2:	>5000 PPM
Post Sample PID	8498 PPB

Sample Location Sketch

SEE HA-05

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	BROADWAY DRY CLEANERS
Town:	BANGOR
Date:	9-28-2021
Sample I.D.:	HA-07
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	CRESSEY
Project Manager	KEEN
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	3031
Flow Control I.D.:	01746
Flow control rate:	72
O_2 Ambient	20.9%
CO_2 Ambient	0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.3%
Pre-Sample CO_2:	>5000 PPM
Pre-Sample PID:	8100 PPB
Pre-Sample CH_4:	0.0 (% Volume/%LEL/PPM)
Sample Initiation Time:	929
Initial Vacuum:	-30.19
Sample End Time:	1140
Final Vaccum:	-13.80
Post Sample O_2:	17.1%
Post Sample CO_2:	>5000 PPM
Post Sample PID	8000 PPB

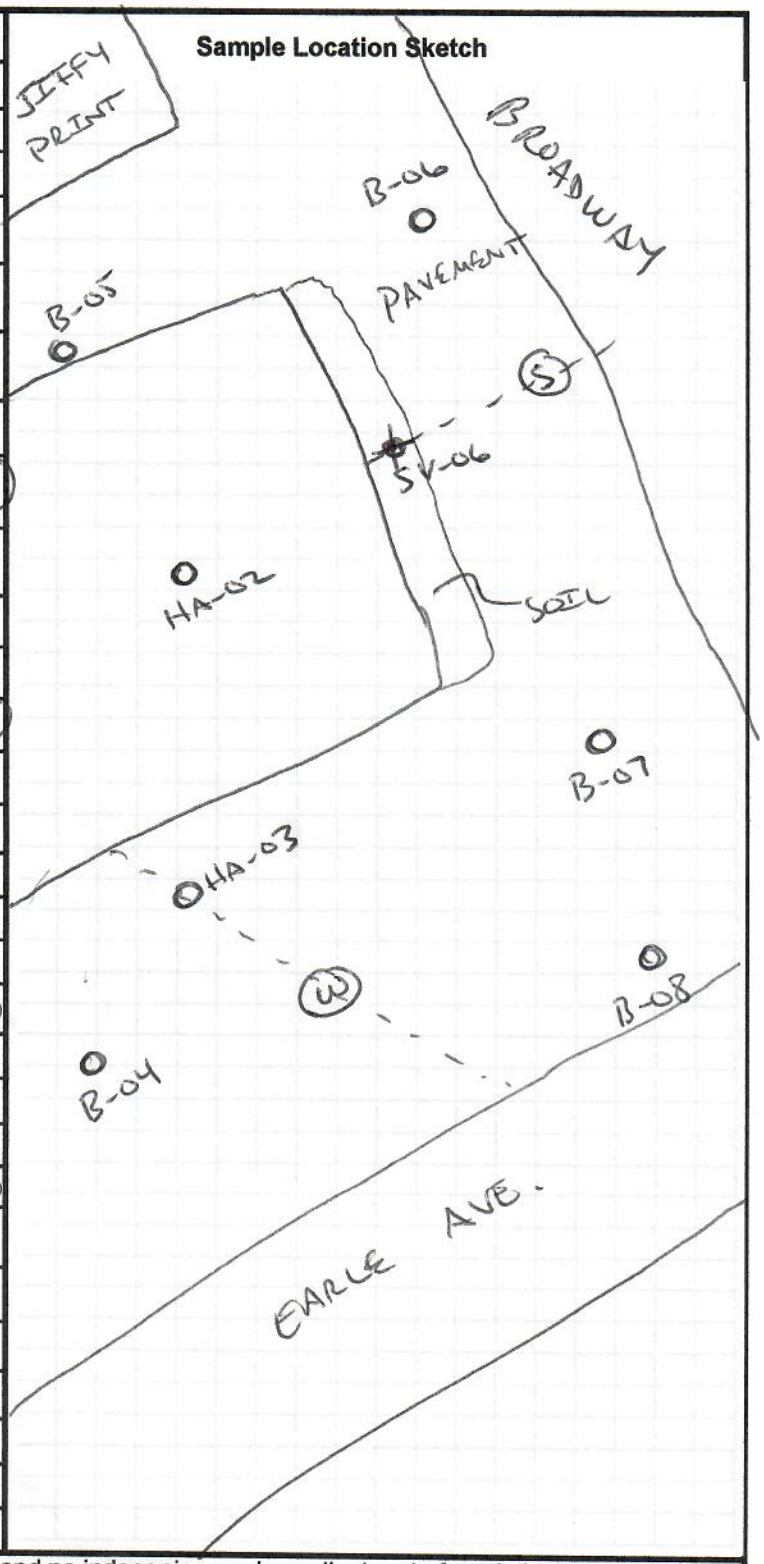
Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Broadway Dry Cleaning
Town:	Bangor
Date:	9-28-2021
Sample I.D.:	SV-06
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	Cressey
Project Manager	Keen
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	1148
Flow Control I.D.:	02102
Flow control rate:	70 mL/min
O_2 Ambient	20.9%
CO_2 Ambient	0.0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.5%
Pre-Sample CO_2:	>5000 PPM
Pre-Sample PID:	200 PPB
Pre-Sample CH_4:	0.0 (% Volume, %LEL, PPM)
Sample Initiation Time:	1003
Initial Vacuum:	-27.68
Sample End Time:	1034
Final Vaccum:	-8.35
Post Sample O_2:	17.5%
Post Sample CO_2:	>5000 PPM
Post Sample PID	200 PPB

Sample Location Sketch



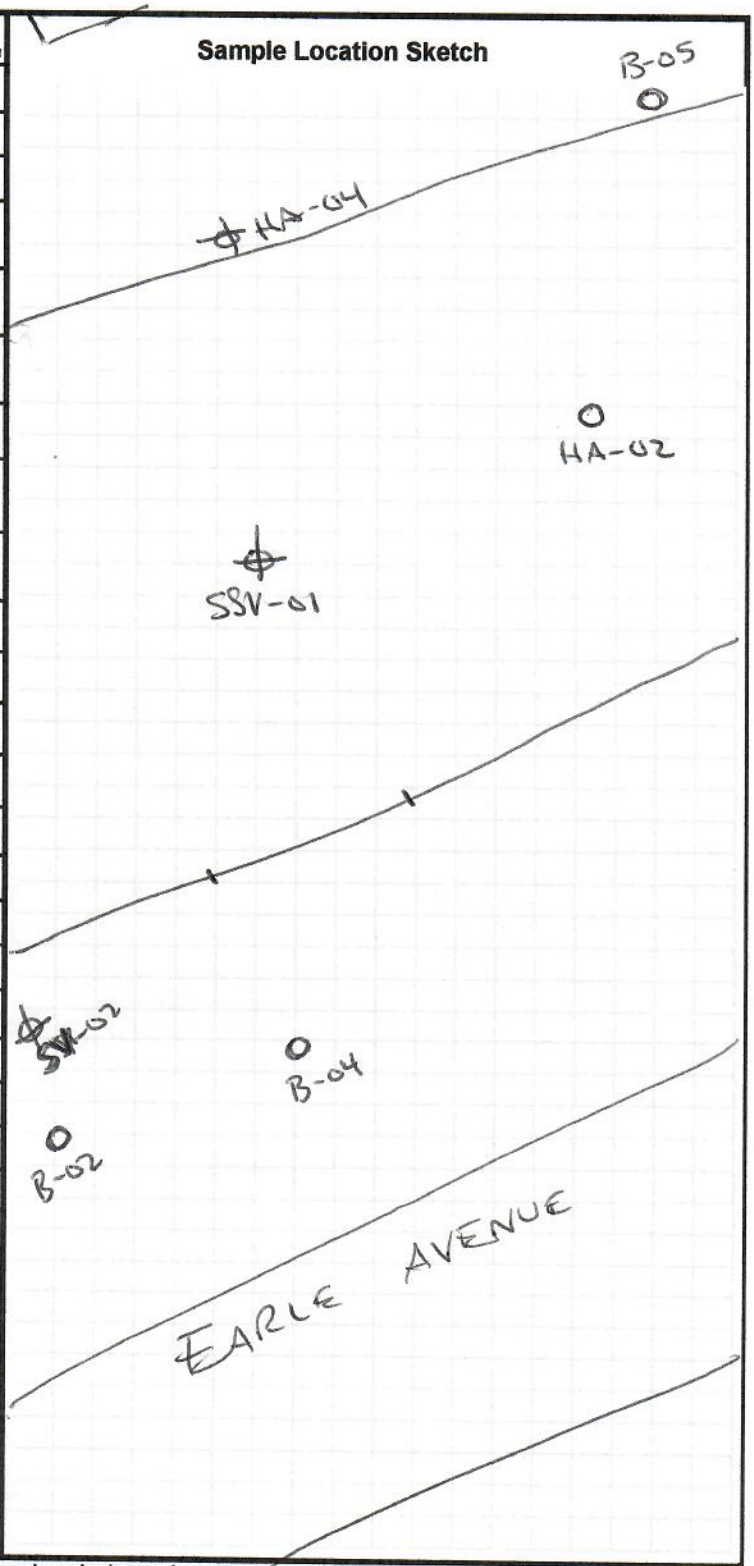
Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Broadway Dry Cleaning
Town:	Bangor
Date:	9-28-2021
Sample I.D.:	SSV-01/SSV-02
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	Cressey
Project Manager	Keen
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	10"
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	383/2864
Flow Control I.D.:	01547/0735
Flow control rate:	72 mL/min
O_2 Ambient	20.9%
CO_2 Ambient	0.0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	15.8%
Pre-Sample CO_2 :	>5000 PPM
Pre-Sample PID:	500 PPB
Pre-Sample CH_4:	0.0 (% Volume %LEL PPM)
Sample Initiation Time:	1049
Initial Vacuum:	-29.53/-29.05
Sample End Time:	1119
Final Vaccum:	-6.67/-6.01
Post Sample O_2 :	15.8%
Post Sample CO_2:	>5000 PPM
Post Sample PID	503 PPB

Sample Location Sketch

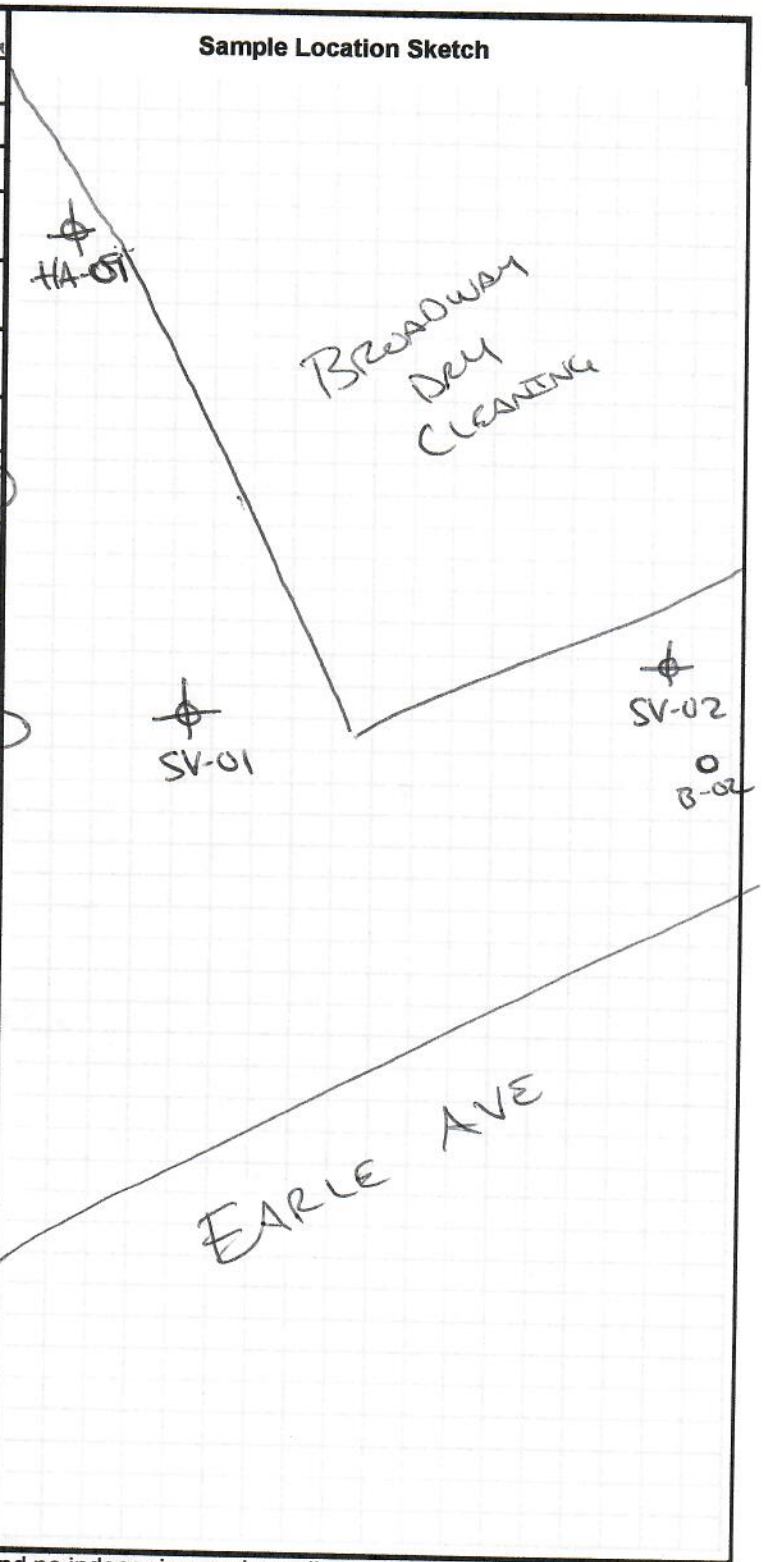


Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Broadway Dry Cleaners
Town:	Bangor
Date:	9-28-2021
Sample I.D.:	SV-01
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	Cressey
Project Manager	Keen
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	2356
Flow Control I.D.:	01471
Flow control rate:	72 mL/min
O_2 Ambient	20.9%
CO_2 Ambient	0.0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	10.3%
Pre-Sample CO_2 :	>5000 PPM
Pre-Sample PID:	17500 PPB
Pre-Sample CH_4:	0.0 (% Volume, %LEL, PPM)
Sample Initiation Time:	1118
Initial Vacuum:	-29.88
Sample End Time:	1148
Final Vaccum:	-1.64
Post Sample O_2 :	10.3%
Post Sample CO_2:	>5000 PPM
Post Sample PID	17400 PPB

Sample Location Sketch



Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Broadway Dry Cleaners
Town:	Bangor
Date:	9-28-2021
Sample I.D.:	SV-02
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	Cressey
Project Manager	Keen
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	529
Flow Control I.D.:	01506
Flow control rate:	72 mL/min
O_2 Ambient	20.9%
CO_2 Ambient	0.0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.3 %
Pre-Sample CO_2 :	>5000 PPM
Pre-Sample PID:	900 PPB
Pre-Sample CH_4:	0.0 (% Volume, %LEL, PPM)
Sample Initiation Time:	1138
Initial Vacuum:	-29.86
Sample End Time:	1242
Final Vaccum:	-7.85
Post Sample O_2 :	17.4%
Post Sample CO_2:	>5000 PPM
Post Sample PID	900 PPB

Sample Location Sketch

SEE SV-01

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

APPENDIX D

ALPHA ANALYTICAL LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2152556
Client:	Beacon Environmental Consultants, LLC 33 Hawthorne Drive P.O. Box 2154 Windham, ME 04062
ATTN:	John Cressey
Phone:	(207) 376-5001
Project Name:	BROADWAY DRY CLEANERS
Project Number:	BE-365
Report Date:	10/05/21

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: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2152556-01	B-03 (1-3')	SOIL	BANGOR, ME	09/28/21 09:35	09/28/21
L2152556-02	B-11 (1-3')	SOIL	BANGOR, ME	09/28/21 09:35	09/28/21
L2152556-03	HA-06	SOIL	BANGOR, ME	09/28/21 10:30	09/28/21
L2152556-04	B-01 (5-6')	SOIL	BANGOR, ME	09/28/21 11:02	09/28/21
L2152556-05	B-02 (5-6')	SOIL	BANGOR, ME	09/28/21 11:30	09/28/21
L2152556-06	MW-02	WATER	BANGOR, ME	09/28/21 12:50	09/28/21
L2152556-07	MW-11	WATER	BANGOR, ME	09/28/21 12:50	09/28/21
L2152556-08	SUBSLAB	WATER	BANGOR, ME	09/28/21 13:15	09/28/21
L2152556-09	SUBSLAB SOIL	SOIL	BANGOR, ME	09/28/21 13:45	09/28/21

Project Name:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152556
Project Number:	BE-365	**Report Date:**	10/05/21

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:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152556
Project Number:	BE-365	**Report Date:**	10/05/21

Case Narrative (continued)

Volatile Organics

L2152556-04D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (132%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

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: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 10/05/21

ORGANICS

VOLATILES

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-01
Client ID: B-03 (1-3')
Sample Location: BANGOR, ME

Date Collected: 09/28/21 09:35
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/03/21 18:37
Analyst: KJD
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	21	--	1
1,1-Dichloroethane	ND		ug/kg	4.2	--	1
Chloroform	ND		ug/kg	6.3	--	1
Carbon tetrachloride	ND		ug/kg	4.2	--	1
1,2-Dichloropropane	ND		ug/kg	4.2	--	1
Dibromochloromethane	ND		ug/kg	4.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.2	--	1
Tetrachloroethene	ND		ug/kg	2.1	--	1
Chlorobenzene	ND		ug/kg	2.1	--	1
Trichlorofluoromethane	ND		ug/kg	17	--	1
1,2-Dichloroethane	ND		ug/kg	4.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.1	--	1
Bromodichloromethane	ND		ug/kg	2.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	4.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	2.1	--	1
1,1-Dichloropropene	ND		ug/kg	2.1	--	1
Bromoform	ND		ug/kg	17	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	--	1
Benzene	ND		ug/kg	2.1	--	1
Toluene	ND		ug/kg	4.2	--	1
Ethylbenzene	ND		ug/kg	4.2	--	1
Chloromethane	ND		ug/kg	17	--	1
Bromomethane	ND		ug/kg	8.4	--	1
Vinyl chloride	ND		ug/kg	4.2	--	1
Chloroethane	ND		ug/kg	8.4	--	1
1,1-Dichloroethene	ND		ug/kg	4.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	6.3	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-01 Date Collected: 09/28/21 09:35

Client ID: B-03 (1-3') Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	2.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	8.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	8.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	8.4	--	1
Methyl tert butyl ether	ND		ug/kg	8.4	--	1
p/m-Xylene	ND		ug/kg	8.4	--	1
o-Xylene	ND		ug/kg	4.2	--	1
Xylenes, Total	ND		ug/kg	4.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	4.2	--	1
1,2-Dichloroethene, Total	ND		ug/kg	4.2	--	1
Dibromomethane	ND		ug/kg	8.4	--	1
1,4-Dichlorobutane	ND		ug/kg	42	--	1
1,2,3-Trichloropropane	ND		ug/kg	8.4	--	1
Styrene	ND		ug/kg	4.2	--	1
Dichlorodifluoromethane	ND		ug/kg	42	--	1
Acetone	220		ug/kg	100	--	1
Carbon disulfide	ND		ug/kg	42	--	1
2-Butanone	42		ug/kg	42	--	1
Vinyl acetate	ND		ug/kg	42	--	1
4-Methyl-2-pentanone	ND		ug/kg	42	--	1
2-Hexanone	ND		ug/kg	42	--	1
Ethyl methacrylate	ND		ug/kg	42	--	1
Acrylonitrile	ND		ug/kg	17	--	1
Bromochloromethane	ND		ug/kg	8.4	--	1
Tetrahydrofuran	ND		ug/kg	17	--	1
2,2-Dichloropropane	ND		ug/kg	8.4	--	1
1,2-Dibromoethane	ND		ug/kg	4.2	--	1
1,3-Dichloropropane	ND		ug/kg	8.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.1	--	1
Bromobenzene	ND		ug/kg	8.4	--	1
n-Butylbenzene	ND		ug/kg	4.2	--	1
sec-Butylbenzene	ND		ug/kg	4.2	--	1
tert-Butylbenzene	ND		ug/kg	8.4	--	1
o-Chlorotoluene	ND		ug/kg	8.4	--	1
p-Chlorotoluene	ND		ug/kg	8.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	--	1
Hexachlorobutadiene	ND		ug/kg	17	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-01 Date Collected: 09/28/21 09:35

Client ID: B-03 (1-3') Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	4.2	--	1
p-Isopropyltoluene	ND		ug/kg	4.2	--	1
Naphthalene	ND		ug/kg	17	--	1
n-Propylbenzene	ND		ug/kg	4.2	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.4	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	21	--	1
Ethyl ether	ND		ug/kg	8.4	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-02
Client ID: B-11 (1-3')
Sample Location: BANGOR, ME

Date Collected: 09/28/21 09:35
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/03/21 19:03
Analyst: KJD
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	18	--	1
1,1-Dichloroethane	ND		ug/kg	3.6	--	1
Chloroform	ND		ug/kg	5.4	--	1
Carbon tetrachloride	ND		ug/kg	3.6	--	1
1,2-Dichloropropane	ND		ug/kg	3.6	--	1
Dibromochloromethane	ND		ug/kg	3.6	--	1
1,1,2-Trichloroethane	ND		ug/kg	3.6	--	1
Tetrachloroethene	ND		ug/kg	1.8	--	1
Chlorobenzene	ND		ug/kg	1.8	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	3.6	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	--	1
Bromodichloromethane	ND		ug/kg	1.8	--	1
trans-1,3-Dichloropropene	ND		ug/kg	3.6	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.8	--	1
1,1-Dichloropropene	ND		ug/kg	1.8	--	1
Bromoform	ND		ug/kg	14	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	--	1
Benzene	ND		ug/kg	1.8	--	1
Toluene	ND		ug/kg	3.6	--	1
Ethylbenzene	ND		ug/kg	3.6	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	7.2	--	1
Vinyl chloride	ND		ug/kg	3.6	--	1
Chloroethane	ND		ug/kg	7.2	--	1
1,1-Dichloroethene	ND		ug/kg	3.6	--	1
trans-1,2-Dichloroethene	ND		ug/kg	5.4	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-02 Date Collected: 09/28/21 09:35

Client ID: B-11 (1-3') Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.8	--	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	7.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	--	1
Methyl tert butyl ether	ND		ug/kg	7.2	--	1
p/m-Xylene	ND		ug/kg	7.2	--	1
o-Xylene	ND		ug/kg	3.6	--	1
Xylenes, Total	ND		ug/kg	3.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	3.6	--	1
1,2-Dichloroethene, Total	ND		ug/kg	3.6	--	1
Dibromomethane	ND		ug/kg	7.2	--	1
1,4-Dichlorobutane	ND		ug/kg	36	--	1
1,2,3-Trichloropropane	ND		ug/kg	7.2	--	1
Styrene	ND		ug/kg	3.6	--	1
Dichlorodifluoromethane	ND		ug/kg	36	--	1
Acetone	360		ug/kg	90	--	1
Carbon disulfide	ND		ug/kg	36	--	1
2-Butanone	75		ug/kg	36	--	1
Vinyl acetate	ND		ug/kg	36	--	1
4-Methyl-2-pentanone	ND		ug/kg	36	--	1
2-Hexanone	ND		ug/kg	36	--	1
Ethyl methacrylate	ND		ug/kg	36	--	1
Acrylonitrile	ND		ug/kg	14	--	1
Bromochloromethane	ND		ug/kg	7.2	--	1
Tetrahydrofuran	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	7.2	--	1
1,2-Dibromoethane	ND		ug/kg	3.6	--	1
1,3-Dichloropropane	ND		ug/kg	7.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	--	1
Bromobenzene	ND		ug/kg	7.2	--	1
n-Butylbenzene	ND		ug/kg	3.6	--	1
sec-Butylbenzene	ND		ug/kg	3.6	--	1
tert-Butylbenzene	ND		ug/kg	7.2	--	1
o-Chlorotoluene	ND		ug/kg	7.2	--	1
p-Chlorotoluene	ND		ug/kg	7.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-02 Date Collected: 09/28/21 09:35

Client ID: B-11 (1-3') Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	3.6	--	1
p-Isopropyltoluene	ND		ug/kg	3.6	--	1
Naphthalene	ND		ug/kg	14	--	1
n-Propylbenzene	ND		ug/kg	3.6	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.2	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	18	--	1
Ethyl ether	ND		ug/kg	7.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-03
Client ID: HA-06
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:30
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/03/21 19:29
Analyst: MKS
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	1.1	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	1.6		ug/kg	0.55	--	1
Chlorobenzene	ND		ug/kg	0.55	--	1
Trichlorofluoromethane	ND		ug/kg	4.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	--	1
Bromodichloromethane	ND		ug/kg	0.55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	--	1
1,1-Dichloropropene	ND		ug/kg	0.55	--	1
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Benzene	ND		ug/kg	0.55	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-03 Date Collected: 09/28/21 10:30

Client ID: HA-06 Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	1.1	--	1
Xylenes, Total	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	2.2	--	1
1,4-Dichlorobutane	ND		ug/kg	11	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	11	--	1
2-Butanone	ND		ug/kg	11	--	1
Vinyl acetate	ND		ug/kg	11	--	1
4-Methyl-2-pentanone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Ethyl methacrylate	ND		ug/kg	11	--	1
Acrylonitrile	ND		ug/kg	4.4	--	1
Bromochloromethane	ND		ug/kg	2.2	--	1
Tetrahydrofuran	ND		ug/kg	4.4	--	1
2,2-Dichloropropane	ND		ug/kg	2.2	--	1
1,2-Dibromoethane	ND		ug/kg	1.1	--	1
1,3-Dichloropropane	ND		ug/kg	2.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Bromobenzene	ND		ug/kg	2.2	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	2.2	--	1
o-Chlorotoluene	ND		ug/kg	2.2	--	1
p-Chlorotoluene	ND		ug/kg	2.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-03 Date Collected: 09/28/21 10:30

Client ID: HA-06 Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	--	1
Ethyl ether	ND		ug/kg	2.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-04 D
Client ID: B-01 (5-6')
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:02
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/03/21 20:47
Analyst: MKS
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1800	--	4
1,1-Dichloroethane	ND		ug/kg	360	--	4
Chloroform	ND		ug/kg	540	--	4
Carbon tetrachloride	ND		ug/kg	360	--	4
1,2-Dichloropropane	ND		ug/kg	360	--	4
Dibromochloromethane	ND		ug/kg	360	--	4
1,1,2-Trichloroethane	ND		ug/kg	360	--	4
Tetrachloroethene	ND		ug/kg	180	--	4
Chlorobenzene	ND		ug/kg	180	--	4
Trichlorofluoromethane	ND		ug/kg	1400	--	4
1,2-Dichloroethane	ND		ug/kg	360	--	4
1,1,1-Trichloroethane	ND		ug/kg	180	--	4
Bromodichloromethane	ND		ug/kg	180	--	4
trans-1,3-Dichloropropene	ND		ug/kg	360	--	4
cis-1,3-Dichloropropene	ND		ug/kg	180	--	4
1,3-Dichloropropene, Total	ND		ug/kg	180	--	4
1,1-Dichloropropene	ND		ug/kg	180	--	4
Bromoform	ND		ug/kg	1400	--	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	180	--	4
Benzene	ND		ug/kg	180	--	4
Toluene	ND		ug/kg	360	--	4
Ethylbenzene	ND		ug/kg	360	--	4
Chloromethane	ND		ug/kg	1400	--	4
Bromomethane	ND		ug/kg	710	--	4
Vinyl chloride	ND		ug/kg	360	--	4
Chloroethane	ND		ug/kg	710	--	4
1,1-Dichloroethene	ND		ug/kg	360	--	4
trans-1,2-Dichloroethene	ND		ug/kg	540	--	4

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-04 D
Client ID: B-01 (5-6')
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:02
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	180	--	4
1,2-Dichlorobenzene	ND		ug/kg	710	--	4
1,3-Dichlorobenzene	ND		ug/kg	710	--	4
1,4-Dichlorobenzene	ND		ug/kg	710	--	4
Methyl tert butyl ether	ND		ug/kg	710	--	4
p/m-Xylene	ND		ug/kg	710	--	4
o-Xylene	840		ug/kg	360	--	4
Xylenes, Total	840		ug/kg	360	--	4
cis-1,2-Dichloroethene	ND		ug/kg	360	--	4
1,2-Dichloroethene, Total	ND		ug/kg	360	--	4
Dibromomethane	ND		ug/kg	710	--	4
1,4-Dichlorobutane	ND		ug/kg	3600	--	4
1,2,3-Trichloropropane	ND		ug/kg	710	--	4
Styrene	ND		ug/kg	360	--	4
Dichlorodifluoromethane	ND		ug/kg	3600	--	4
Acetone	ND		ug/kg	3600	--	4
Carbon disulfide	ND		ug/kg	3600	--	4
2-Butanone	ND		ug/kg	3600	--	4
Vinyl acetate	ND		ug/kg	3600	--	4
4-Methyl-2-pentanone	ND		ug/kg	3600	--	4
2-Hexanone	ND		ug/kg	3600	--	4
Ethyl methacrylate	ND		ug/kg	3600	--	4
Acrylonitrile	ND		ug/kg	1400	--	4
Bromochloromethane	ND		ug/kg	710	--	4
Tetrahydrofuran	ND		ug/kg	1400	--	4
2,2-Dichloropropane	ND		ug/kg	710	--	4
1,2-Dibromoethane	ND		ug/kg	360	--	4
1,3-Dichloropropane	ND		ug/kg	710	--	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	180	--	4
Bromobenzene	ND		ug/kg	710	--	4
n-Butylbenzene	4800		ug/kg	360	--	4
sec-Butylbenzene	3900		ug/kg	360	--	4
tert-Butylbenzene	ND		ug/kg	710	--	4
o-Chlorotoluene	ND		ug/kg	710	--	4
p-Chlorotoluene	ND		ug/kg	710	--	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	1100	--	4
Hexachlorobutadiene	ND		ug/kg	1400	--	4

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-04 D
Client ID: B-01 (5-6')
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:02
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1400		ug/kg	360	--	4
p-Isopropyltoluene	4900		ug/kg	360	--	4
Naphthalene	ND		ug/kg	1400	--	4
n-Propylbenzene	5000		ug/kg	360	--	4
1,2,3-Trichlorobenzene	ND		ug/kg	710	--	4
1,2,4-Trichlorobenzene	ND		ug/kg	710	--	4
1,3,5-Trimethylbenzene	2800		ug/kg	710	--	4
1,2,4-Trimethylbenzene	48000		ug/kg	710	--	4
trans-1,4-Dichloro-2-butene	ND		ug/kg	1800	--	4
Ethyl ether	ND		ug/kg	710	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	**132**	Q	70-130
Dibromofluoromethane	106		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-05
Client ID: B-02 (5-6')
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:30
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/03/21 20:21
Analyst: MKS
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.9	--	1
Carbon tetrachloride	ND		ug/kg	1.3	--	1
1,2-Dichloropropane	ND		ug/kg	1.3	--	1
Dibromochloromethane	ND		ug/kg	1.3	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.65	--	1
Chlorobenzene	ND		ug/kg	0.65	--	1
Trichlorofluoromethane	ND		ug/kg	5.2	--	1
1,2-Dichloroethane	ND		ug/kg	1.3	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	--	1
Bromodichloromethane	ND		ug/kg	0.65	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	--	1
1,1-Dichloropropene	ND		ug/kg	0.65	--	1
Bromoform	ND		ug/kg	5.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	--	1
Benzene	ND		ug/kg	0.65	--	1
Toluene	ND		ug/kg	1.3	--	1
Ethylbenzene	ND		ug/kg	1.3	--	1
Chloromethane	ND		ug/kg	5.2	--	1
Bromomethane	ND		ug/kg	2.6	--	1
Vinyl chloride	ND		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	2.6	--	1
1,1-Dichloroethene	ND		ug/kg	1.3	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-05 Date Collected: 09/28/21 11:30

Client ID: B-02 (5-6') Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.65	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1
Methyl tert butyl ether	ND		ug/kg	2.6	--	1
p/m-Xylene	ND		ug/kg	2.6	--	1
o-Xylene	ND		ug/kg	1.3	--	1
Xylenes, Total	ND		ug/kg	1.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	--	1
Dibromomethane	ND		ug/kg	2.6	--	1
1,4-Dichlorobutane	ND		ug/kg	13	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	--	1
Styrene	ND		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	13	--	1
Acetone	ND		ug/kg	32	--	1
Carbon disulfide	ND		ug/kg	13	--	1
2-Butanone	ND		ug/kg	13	--	1
Vinyl acetate	ND		ug/kg	13	--	1
4-Methyl-2-pentanone	ND		ug/kg	13	--	1
2-Hexanone	ND		ug/kg	13	--	1
Ethyl methacrylate	ND		ug/kg	13	--	1
Acrylonitrile	ND		ug/kg	5.2	--	1
Bromochloromethane	ND		ug/kg	2.6	--	1
Tetrahydrofuran	ND		ug/kg	5.2	--	1
2,2-Dichloropropane	ND		ug/kg	2.6	--	1
1,2-Dibromoethane	ND		ug/kg	1.3	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	--	1
Bromobenzene	ND		ug/kg	2.6	--	1
n-Butylbenzene	ND		ug/kg	1.3	--	1
sec-Butylbenzene	2.6		ug/kg	1.3	--	1
tert-Butylbenzene	ND		ug/kg	2.6	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1
p-Chlorotoluene	ND		ug/kg	2.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	--	1
Hexachlorobutadiene	ND		ug/kg	5.2	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-05 Date Collected: 09/28/21 11:30

Client ID: B-02 (5-6') Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	1.3	--	1
p-Isopropyltoluene	ND		ug/kg	1.3	--	1
Naphthalene	ND		ug/kg	5.2	--	1
n-Propylbenzene	ND		ug/kg	1.3	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	--	1
1,2,4-Trimethylbenzene	4.2		ug/kg	2.6	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	--	1
Ethyl ether	ND		ug/kg	2.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	101		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-06
Client ID: MW-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 12:50
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/21 12:53
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	1.6		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	1.0	--	1
Bromoform	ND		ug/l	1.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	0.67		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	0.30		ug/l	0.20	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-06 Date Collected: 09/28/21 12:50

Client ID: MW-02 Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	0.90		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	1.4		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	1.4		ug/l	1.0	--	1
cis-1,2-Dichloroethene	0.90		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	1.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	1.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	1.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	1.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	1.0	--	1
1,2-Dibromoethane	ND		ug/l	1.0	--	1
1,3-Dichloropropane	ND		ug/l	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	1.0	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	0.74		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	1.0	--	1
p-Chlorotoluene	ND		ug/l	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-06 Date Collected: 09/28/21 12:50

Client ID: MW-02 Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	0.57		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	1.0	--	1
n-Propylbenzene	1.6		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	1.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	--	1
1,3,5-Trimethylbenzene	1.7		ug/l	1.0	--	1
1,2,4-Trimethylbenzene	5.4		ug/l	1.0	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-07
Client ID: MW-11
Sample Location: BANGOR, ME

Date Collected: 09/28/21 12:50
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/21 13:13
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	1.4		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	1.0	--	1
Bromoform	ND		ug/l	1.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	0.80		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	0.38		ug/l	0.20	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-07 Date Collected: 09/28/21 12:50

Client ID: MW-11 Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	0.98		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	1.6		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	1.6		ug/l	1.0	--	1
cis-1,2-Dichloroethene	0.98		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	1.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	1.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	1.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	1.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	1.0	--	1
1,2-Dibromoethane	ND		ug/l	1.0	--	1
1,3-Dichloropropane	ND		ug/l	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	1.0	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	0.81		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	1.0	--	1
p-Chlorotoluene	ND		ug/l	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-07 Date Collected: 09/28/21 12:50

Client ID: MW-11 Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	0.70		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	1.0	--	1
n-Propylbenzene	1.7		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	1.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	--	1
1,3,5-Trimethylbenzene	2.0		ug/l	1.0	--	1
1,2,4-Trimethylbenzene	6.0		ug/l	1.0	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-08
Client ID: SUBSLAB
Sample Location: BANGOR, ME

Date Collected: 09/28/21 13:15
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/21 13:33
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	1.4		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	1.0	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	1.0	--	1
Bromoform	ND		ug/l	1.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	0.20	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-08 Date Collected: 09/28/21 13:15

Client ID: SUBSLAB Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethene, Total	0.55		ug/l	0.50	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	0.55		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	1.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	1.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	1.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	1.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	1.0	--	1
1,2-Dibromoethane	ND		ug/l	1.0	--	1
1,3-Dichloropropane	ND		ug/l	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	1.0	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	1.0	--	1
o-Chlorotoluene	ND		ug/l	1.0	--	1
p-Chlorotoluene	ND		ug/l	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-08 Date Collected: 09/28/21 13:15

Client ID: SUBSLAB Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	1.0	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	1.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	1.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	1.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	1.0	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-09
Client ID: SUBSLAB SOIL
Sample Location: BANGOR, ME

Date Collected: 09/28/21 13:45
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/03/21 19:55
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.8	--	1
Chloroform	ND		ug/kg	2.7	--	1
Carbon tetrachloride	ND		ug/kg	1.8	--	1
1,2-Dichloropropane	ND		ug/kg	1.8	--	1
Dibromochloromethane	ND		ug/kg	1.8	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	--	1
Tetrachloroethene	1.2		ug/kg	0.90	--	1
Chlorobenzene	ND		ug/kg	0.90	--	1
Trichlorofluoromethane	ND		ug/kg	7.2	--	1
1,2-Dichloroethane	ND		ug/kg	1.8	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.90	--	1
Bromodichloromethane	ND		ug/kg	0.90	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.90	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.90	--	1
1,1-Dichloropropene	ND		ug/kg	0.90	--	1
Bromoform	ND		ug/kg	7.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.90	--	1
Benzene	ND		ug/kg	0.90	--	1
Toluene	ND		ug/kg	1.8	--	1
Ethylbenzene	ND		ug/kg	1.8	--	1
Chloromethane	ND		ug/kg	7.2	--	1
Bromomethane	ND		ug/kg	3.6	--	1
Vinyl chloride	ND		ug/kg	1.8	--	1
Chloroethane	ND		ug/kg	3.6	--	1
1,1-Dichloroethene	ND		ug/kg	1.8	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-09 Date Collected: 09/28/21 13:45

Client ID: SUBSLAB SOIL Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.90	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	--	1
Methyl tert butyl ether	ND		ug/kg	3.6	--	1
p/m-Xylene	ND		ug/kg	3.6	--	1
o-Xylene	ND		ug/kg	1.8	--	1
Xylenes, Total	ND		ug/kg	1.8	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	--	1
Dibromomethane	ND		ug/kg	3.6	--	1
1,4-Dichlorobutane	ND		ug/kg	18	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	--	1
Styrene	ND		ug/kg	1.8	--	1
Dichlorodifluoromethane	ND		ug/kg	18	--	1
Acetone	ND		ug/kg	45	--	1
Carbon disulfide	ND		ug/kg	18	--	1
2-Butanone	ND		ug/kg	18	--	1
Vinyl acetate	ND		ug/kg	18	--	1
4-Methyl-2-pentanone	ND		ug/kg	18	--	1
2-Hexanone	ND		ug/kg	18	--	1
Ethyl methacrylate	ND		ug/kg	18	--	1
Acrylonitrile	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	3.6	--	1
Tetrahydrofuran	ND		ug/kg	7.2	--	1
2,2-Dichloropropane	ND		ug/kg	3.6	--	1
1,2-Dibromoethane	ND		ug/kg	1.8	--	1
1,3-Dichloropropane	ND		ug/kg	3.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.90	--	1
Bromobenzene	ND		ug/kg	3.6	--	1
n-Butylbenzene	ND		ug/kg	1.8	--	1
sec-Butylbenzene	ND		ug/kg	1.8	--	1
tert-Butylbenzene	ND		ug/kg	3.6	--	1
o-Chlorotoluene	ND		ug/kg	3.6	--	1
p-Chlorotoluene	ND		ug/kg	3.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	--	1
Hexachlorobutadiene	ND		ug/kg	7.2	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-09 Date Collected: 09/28/21 13:45

Client ID: SUBSLAB SOIL Date Received: 09/28/21

Sample Location: BANGOR, ME Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		ug/kg	1.8	--	1
p-Isopropyltoluene	ND		ug/kg	1.8	--	1
Naphthalene	ND		ug/kg	7.2	--	1
n-Propylbenzene	ND		ug/kg	1.8	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.0	--	1
Ethyl ether	ND		ug/kg	3.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/30/21 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1553541-5					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	1.0	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	1.0	--
Bromoform	ND		ug/l	1.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	0.20	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
1,2-Dichloroethene, Total	ND		ug/l	0.50	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/30/21 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1553541-5					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	1.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	1.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	1.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	1.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	1.0	--
1,2-Dibromoethane	ND		ug/l	1.0	--
1,3-Dichloropropane	ND		ug/l	1.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	1.0	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/30/21 08:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1553541-5					
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	1.0	--
o-Chlorotoluene	ND		ug/l	1.0	--
p-Chlorotoluene	ND		ug/l	1.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	1.0	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	1.0	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	1.0	--
1,2,4-Trichlorobenzene	ND		ug/l	1.0	--
1,3,5-Trimethylbenzene	ND		ug/l	1.0	--
1,2,4-Trimethylbenzene	ND		ug/l	1.0	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	1.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/21 16:52
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05,09 Batch: WG1554233-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/21 16:52
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05,09 Batch: WG1554233-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
Vinyl acetate	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/21 16:52
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,05,09 Batch: WG1554233-5					
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	2.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/21 16:52
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1554237-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/21 16:52
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1554237-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,4-Dichlorobutane	ND		ug/kg	500	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
Vinyl acetate	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Ethyl methacrylate	ND		ug/kg	500	--
Acrylonitrile	ND		ug/kg	200	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,3-Dichloropropane	ND		ug/kg	100	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/03/21 16:52
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1554237-5					
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	--
Ethyl ether	ND		ug/kg	100	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152556

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1553541-3 WG1553541-4								
Methylene chloride	97		100		70-130	3		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	99		98		70-130	1		20
Carbon tetrachloride	85		84		63-132	1		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	70		66		63-130	6		20
1,1,2-Trichloroethane	89		88		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		97		75-130	3		25
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	89		83		70-130	7		20
1,1,1-Trichloroethane	93		91		67-130	2		20
Bromodichloromethane	82		76		67-130	8		20
trans-1,3-Dichloropropene	82		80		70-130	2		20
cis-1,3-Dichloropropene	86		82		70-130	5		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	61		64		54-136	5		20
1,1,2,2-Tetrachloroethane	87		88		67-130	1		20
Benzene	100		100		70-130	0		25
Toluene	110		100		70-130	10		25
Ethylbenzene	110		100		70-130	10		20
Chloromethane	110		110		64-130	0		20
Bromomethane	82		79		39-139	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152556

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1553541-3 WG1553541-4								
Vinyl chloride	130		130		55-140	0		20
Chloroethane	130		130		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		25
trans-1,2-Dichloroethene	95		98		70-130	3		20
Trichloroethene	100		97		70-130	3		25
1,2-Dichlorobenzene	96		98		70-130	2		20
1,3-Dichlorobenzene	99		98		70-130	1		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	76		71		63-130	7		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	98		97		70-130	1		20
Dibromomethane	80		79		70-130	1		20
1,4-Dichlorobutane	99		100		70-130	1		20
1,2,3-Trichloropropane	86		86		64-130	0		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	97		97		36-147	0		20
Acetone	74		65		58-148	13		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	72		65		63-138	10		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	72		73		59-130	1		20
2-Hexanone	73		70		57-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1553541-3 WG1553541-4								
Ethyl methacrylate	75		71		70-130	5		20
Acrylonitrile	92		95		70-130	3		20
Bromochloromethane	96		82		70-130	16		20
Tetrahydrofuran	84		75		58-130	11		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	79		78		70-130	1		20
1,3-Dichloropropane	88		85		70-130	3		20
1,1,1,2-Tetrachloroethane	82		83		64-130	1		20
Bromobenzene	93		94		70-130	1		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	61		64		41-144	5		20
Hexachlorobutadiene	94		88		63-130	7		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	76		77		70-130	1		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	88		84		70-130	5		20
1,2,4-Trichlorobenzene	90		92		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1553541-3 WG1553541-4								
1,2,4-Trimethylbenzene	100		100		70-130	0		20
trans-1,4-Dichloro-2-butene	75		76		70-130	1		20
Ethyl ether	81		82		59-134	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		94		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	97		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,09 Batch: WG1554233-3 WG1554233-4								
Methylene chloride	113		112		70-130	1		30
1,1-Dichloroethane	120		118		70-130	2		30
Chloroform	98		97		70-130	1		30
Carbon tetrachloride	109		106		70-130	3		30
1,2-Dichloropropane	116		115		70-130	1		30
Dibromochloromethane	115		115		70-130	0		30
1,1,2-Trichloroethane	114		113		70-130	1		30
Tetrachloroethene	119		114		70-130	4		30
Chlorobenzene	110		108		70-130	2		30
Trichlorofluoromethane	88		86		70-139	2		30
1,2-Dichloroethane	102		102		70-130	0		30
1,1,1-Trichloroethane	112		109		70-130	3		30
Bromodichloromethane	105		103		70-130	2		30
trans-1,3-Dichloropropene	116		114		70-130	2		30
cis-1,3-Dichloropropene	112		110		70-130	2		30
1,1-Dichloropropene	116		113		70-130	3		30
Bromoform	109		108		70-130	1		30
1,1,2,2-Tetrachloroethane	115		114		70-130	1		30
Benzene	111		109		70-130	2		30
Toluene	112		109		70-130	3		30
Ethylbenzene	113		109		70-130	4		30
Chloromethane	**194**	Q	**189**	Q	52-130	3		30
Bromomethane	84		81		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,09 Batch: WG1554233-3 WG1554233-4								
Vinyl chloride	**133**	Q	129		67-130	3		30
Chloroethane	75		73		50-151	3		30
1,1-Dichloroethene	127		122		65-135	4		30
trans-1,2-Dichloroethene	116		113		70-130	3		30
Trichloroethene	109		106		70-130	3		30
1,2-Dichlorobenzene	108		106		70-130	2		30
1,3-Dichlorobenzene	108		104		70-130	4		30
1,4-Dichlorobenzene	109		104		70-130	5		30
Methyl tert butyl ether	102		102		66-130	0		30
p/m-Xylene	113		110		70-130	3		30
o-Xylene	112		108		70-130	4		30
cis-1,2-Dichloroethene	111		110		70-130	1		30
Dibromomethane	99		101		70-130	2		30
1,4-Dichlorobutane	118		116		70-130	2		30
1,2,3-Trichloropropane	109		107		68-130	2		30
Styrene	110		108		70-130	2		30
Dichlorodifluoromethane	**310**	Q	**302**	Q	30-146	3		30
Acetone	**174**	Q	**183**	Q	54-140	5		30
Carbon disulfide	121		118		59-130	3		30
2-Butanone	**146**	Q	**154**	Q	70-130	5		30
Vinyl acetate	128		129		70-130	1		30
4-Methyl-2-pentanone	107		111		70-130	4		30
2-Hexanone	**141**	Q	**145**	Q	70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,09 Batch: WG1554233-3 WG1554233-4								
Ethyl methacrylate	102		102		70-130	0		30
Acrylonitrile	109		113		70-130	4		30
Bromochloromethane	105		105		70-130	0		30
Tetrahydrofuran	121		127		66-130	5		30
2,2-Dichloropropane	109		106		70-130	3		30
1,2-Dibromoethane	112		114		70-130	2		30
1,3-Dichloropropane	112		113		69-130	1		30
1,1,1,2-Tetrachloroethane	114		112		70-130	2		30
Bromobenzene	111		106		70-130	5		30
n-Butylbenzene	115		110		70-130	4		30
sec-Butylbenzene	115		110		70-130	4		30
tert-Butylbenzene	116		110		70-130	5		30
o-Chlorotoluene	114		109		70-130	4		30
p-Chlorotoluene	115		109		70-130	5		30
1,2-Dibromo-3-chloropropane	102		103		68-130	1		30
Hexachlorobutadiene	125		119		67-130	5		30
Isopropylbenzene	117		112		70-130	4		30
p-Isopropyltoluene	117		110		70-130	6		30
Naphthalene	106		106		70-130	0		30
n-Propylbenzene	114		109		70-130	4		30
1,2,3-Trichlorobenzene	111		108		70-130	3		30
1,2,4-Trichlorobenzene	114		110		70-130	4		30
1,3,5-Trimethylbenzene	115		110		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,05,09 Batch: WG1554233-3 WG1554233-4								
1,2,4-Trimethylbenzene	114		109		70-130	4		30
trans-1,4-Dichloro-2-butene	97		98		70-130	1		30
Ethyl ether	72		72		67-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	107		105		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152556

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1554237-3 WG1554237-4								
Methylene chloride	113		112		70-130	1		30
1,1-Dichloroethane	120		118		70-130	2		30
Chloroform	98		97		70-130	1		30
Carbon tetrachloride	109		106		70-130	3		30
1,2-Dichloropropane	116		115		70-130	1		30
Dibromochloromethane	115		115		70-130	0		30
1,1,2-Trichloroethane	114		113		70-130	1		30
Tetrachloroethene	119		114		70-130	4		30
Chlorobenzene	110		108		70-130	2		30
Trichlorofluoromethane	88		86		70-139	2		30
1,2-Dichloroethane	102		102		70-130	0		30
1,1,1-Trichloroethane	112		109		70-130	3		30
Bromodichloromethane	105		103		70-130	2		30
trans-1,3-Dichloropropene	116		114		70-130	2		30
cis-1,3-Dichloropropene	112		110		70-130	2		30
1,1-Dichloropropene	116		113		70-130	3		30
Bromoform	109		108		70-130	1		30
1,1,2,2-Tetrachloroethane	115		114		70-130	1		30
Benzene	111		109		70-130	2		30
Toluene	112		109		70-130	3		30
Ethylbenzene	113		109		70-130	4		30
Chloromethane	**194**	Q	**189**	Q	52-130	3		30
Bromomethane	84		81		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152556

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1554237-3 WG1554237-4								
Vinyl chloride	**133**	Q	129		67-130	3		30
Chloroethane	75		73		50-151	3		30
1,1-Dichloroethene	127		122		65-135	4		30
trans-1,2-Dichloroethene	116		113		70-130	3		30
Trichloroethene	109		106		70-130	3		30
1,2-Dichlorobenzene	108		106		70-130	2		30
1,3-Dichlorobenzene	108		104		70-130	4		30
1,4-Dichlorobenzene	109		104		70-130	5		30
Methyl tert butyl ether	102		102		66-130	0		30
p/m-Xylene	113		110		70-130	3		30
o-Xylene	112		108		70-130	4		30
cis-1,2-Dichloroethene	111		110		70-130	1		30
Dibromomethane	99		101		70-130	2		30
1,4-Dichlorobutane	118		116		70-130	2		30
1,2,3-Trichloropropane	109		107		68-130	2		30
Styrene	110		108		70-130	2		30
Dichlorodifluoromethane	**310**	Q	**302**	Q	30-146	3		30
Acetone	**174**	Q	**183**	Q	54-140	5		30
Carbon disulfide	121		118		59-130	3		30
2-Butanone	**146**	Q	**154**	Q	70-130	5		30
Vinyl acetate	128		129		70-130	1		30
4-Methyl-2-pentanone	107		111		70-130	4		30
2-Hexanone	**141**	Q	**145**	Q	70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1554237-3 WG1554237-4								
Ethyl methacrylate	102		102		70-130	0		30
Acrylonitrile	109		113		70-130	4		30
Bromochloromethane	105		105		70-130	0		30
Tetrahydrofuran	121		127		66-130	5		30
2,2-Dichloropropane	109		106		70-130	3		30
1,2-Dibromoethane	112		114		70-130	2		30
1,3-Dichloropropane	112		113		69-130	1		30
1,1,1,2-Tetrachloroethane	114		112		70-130	2		30
Bromobenzene	111		106		70-130	5		30
n-Butylbenzene	115		110		70-130	4		30
sec-Butylbenzene	115		110		70-130	4		30
tert-Butylbenzene	116		110		70-130	5		30
o-Chlorotoluene	114		109		70-130	4		30
p-Chlorotoluene	115		109		70-130	5		30
1,2-Dibromo-3-chloropropane	102		103		68-130	1		30
Hexachlorobutadiene	125		119		67-130	5		30
Isopropylbenzene	117		112		70-130	4		30
p-Isopropyltoluene	117		110		70-130	6		30
Naphthalene	106		106		70-130	0		30
n-Propylbenzene	114		109		70-130	4		30
1,2,3-Trichlorobenzene	111		108		70-130	3		30
1,2,4-Trichlorobenzene	114		110		70-130	4		30
1,3,5-Trimethylbenzene	115		110		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1554237-3 WG1554237-4								
1,2,4-Trimethylbenzene	114		109		70-130	4		30
trans-1,4-Dichloro-2-butene	97		98		70-130	1		30
Ethyl ether	72		72		67-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	107		105		70-130
Dibromofluoromethane	99		100		70-130

PETROLEUM HYDROCARBONS

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-01	Date Collected:	09/28/21 09:35
Client ID:	B-03 (1-3')	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/21 21:31		
Analyst:	BAD		
Percent Solids:	82%		
Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1.3:1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	9.04	--	1
C9-C12 Aliphatics	ND		mg/kg	9.04	--	1
C9-C10 Aromatics	ND		mg/kg	9.04	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	9.04	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	9.04	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	129		70-130
2,5-Dibromotoluene-FID	128		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-01			Date Collected:	09/28/21 09:35
Client ID:	B-03 (1-3')			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Soil			Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1			Extraction Date:	09/29/21 20:03
Analytical Date:	10/01/21 17:08	M.S. Analytical Date:	10/02/21 14:05	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/01/21
Percent Solids:	82%				

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.84	--	1
C19-C36 Aliphatics	27.2		mg/kg	7.84	--	1
C11-C22 Aromatics	20.6		mg/kg	7.84	--	1
C11-C22 Aromatics, Adjusted	20.6		mg/kg	7.84	--	1
Naphthalene	ND		mg/kg	0.031	--	1
2-Methylnaphthalene	ND		mg/kg	0.031	--	1
Acenaphthylene	ND		mg/kg	0.031	--	1
Acenaphthene	ND		mg/kg	0.031	--	1
Fluorene	ND		mg/kg	0.031	--	1
Phenanthrene	ND		mg/kg	0.031	--	1
Anthracene	ND		mg/kg	0.031	--	1
Fluoranthene	ND		mg/kg	0.031	--	1
Pyrene	ND		mg/kg	0.031	--	1
Benzo(a)anthracene	ND		mg/kg	0.031	--	1
Chrysene	ND		mg/kg	0.031	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.031	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.031	--	1
Benzo(a)pyrene	ND		mg/kg	0.031	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.031	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.031	--	1
Benzo(ghi)perylene	ND		mg/kg	0.031	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-01	Date Collected:	09/28/21 09:35
Client ID:	B-03 (1-3')	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	55		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	77		40-140
O-Terphenyl-MS	72		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-02	Date Collected:	09/28/21 09:35
Client ID:	B-11 (1-3')	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/21 22:01		
Analyst:	BAD		
Percent Solids:	81%		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1.4:1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	9.94	--	1
C9-C12 Aliphatics	ND		mg/kg	9.94	--	1
C9-C10 Aromatics	ND		mg/kg	9.94	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	9.94	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	9.94	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	118		70-130
2,5-Dibromotoluene-FID	117		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-02			Date Collected:	09/28/21 09:35
Client ID:	B-11 (1-3')			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Soil			Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1			Extraction Date:	09/29/21 20:03
Analytical Date:	10/01/21 17:32	M.S. Analytical Date:	10/02/21 14:21	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/01/21
Percent Solids:	81%				

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.26	--	1
C19-C36 Aliphatics	28.5		mg/kg	8.26	--	1
C11-C22 Aromatics	23.4		mg/kg	8.26	--	1
C11-C22 Aromatics, Adjusted	23.4		mg/kg	8.26	--	1
Naphthalene	ND		mg/kg	0.033	--	1
2-Methylnaphthalene	ND		mg/kg	0.033	--	1
Acenaphthylene	ND		mg/kg	0.033	--	1
Acenaphthene	ND		mg/kg	0.033	--	1
Fluorene	ND		mg/kg	0.033	--	1
Phenanthrene	ND		mg/kg	0.033	--	1
Anthracene	ND		mg/kg	0.033	--	1
Fluoranthene	ND		mg/kg	0.033	--	1
Pyrene	ND		mg/kg	0.033	--	1
Benzo(a)anthracene	ND		mg/kg	0.033	--	1
Chrysene	ND		mg/kg	0.033	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.033	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.033	--	1
Benzo(a)pyrene	ND		mg/kg	0.033	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.033	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.033	--	1
Benzo(ghi)perylene	ND		mg/kg	0.033	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-02	Date Collected:	09/28/21 09:35
Client ID:	B-11 (1-3')	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	77		40-140
O-Terphenyl-MS	77		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-03	Date Collected:	09/28/21 10:30
Client ID:	HA-06	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/21 22:31		
Analyst:	BAD		
Percent Solids:	79%		
Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1:1 +/- 25%

Volatile Petroleum Hydrocarbons - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C5-C8 Aliphatics	ND		mg/kg	7.63	--	1
C9-C12 Aliphatics	ND		mg/kg	7.63	--	1
C9-C10 Aromatics	ND		mg/kg	7.63	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	7.63	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	7.63	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	123		70-130
2,5-Dibromotoluene-FID	122		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-03			Date Collected:	09/28/21 10:30
Client ID:	HA-06			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Soil			Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1			Extraction Date:	09/29/21 20:03
Analytical Date:	10/01/21 17:57	M.S. Analytical Date:	10/02/21 14:38	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/01/21
Percent Solids:	79%				

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.99	--	1
C19-C36 Aliphatics	ND		mg/kg	7.99	--	1
C11-C22 Aromatics	ND		mg/kg	7.99	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.99	--	1
Naphthalene	ND		mg/kg	0.032	--	1
2-Methylnaphthalene	ND		mg/kg	0.032	--	1
Acenaphthylene	ND		mg/kg	0.032	--	1
Acenaphthene	ND		mg/kg	0.032	--	1
Fluorene	ND		mg/kg	0.032	--	1
Phenanthrene	ND		mg/kg	0.032	--	1
Anthracene	ND		mg/kg	0.032	--	1
Fluoranthene	ND		mg/kg	0.032	--	1
Pyrene	ND		mg/kg	0.032	--	1
Benzo(a)anthracene	ND		mg/kg	0.032	--	1
Chrysene	ND		mg/kg	0.032	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.032	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.032	--	1
Benzo(a)pyrene	ND		mg/kg	0.032	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.032	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.032	--	1
Benzo(ghi)perylene	ND		mg/kg	0.032	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-03	Date Collected:	09/28/21 10:30
Client ID:	HA-06	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	59		40-140
o-Terphenyl	55		40-140
2-Fluorobiphenyl	65		40-140
2-Bromonaphthalene	65		40-140
O-Terphenyl-MS	65		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-04			Date Collected:	09/28/21 11:02
Client ID:	B-01 (5-6')			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Soil			Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1			Extraction Date:	09/29/21 20:03
Analytical Date:	10/01/21 18:22	M.S. Analytical Date:	10/02/21 14:54	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/01/21
Percent Solids:	80%				

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	186		mg/kg	8.24	--	1
C19-C36 Aliphatics	11.6		mg/kg	8.24	--	1
C11-C22 Aromatics	11.1		mg/kg	8.24	--	1
C11-C22 Aromatics, Adjusted	9.96		mg/kg	8.24	--	1
Naphthalene	0.429		mg/kg	0.033	--	1
2-Methylnaphthalene	0.039		mg/kg	0.033	--	1
Acenaphthylene	ND		mg/kg	0.033	--	1
Acenaphthene	ND		mg/kg	0.033	--	1
Fluorene	ND		mg/kg	0.033	--	1
Phenanthrene	0.082		mg/kg	0.033	--	1
Anthracene	ND		mg/kg	0.033	--	1
Fluoranthene	0.129		mg/kg	0.033	--	1
Pyrene	0.105		mg/kg	0.033	--	1
Benzo(a)anthracene	0.055		mg/kg	0.033	--	1
Chrysene	0.055		mg/kg	0.033	--	1
Benzo(b)fluoranthene	0.077		mg/kg	0.033	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.033	--	1
Benzo(a)pyrene	0.053		mg/kg	0.033	--	1
Indeno(1,2,3-cd)Pyrene	0.044		mg/kg	0.033	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.033	--	1
Benzo(ghi)perylene	0.037		mg/kg	0.033	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-04	Date Collected:	09/28/21 11:02
Client ID:	B-01 (5-6')	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	63		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	77		40-140
O-Terphenyl-MS	64		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-04	D	Date Collected:	09/28/21 11:02
Client ID:	B-01 (5-6')		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil			
Analytical Method:	131,VPH-18-2.1			
Analytical Date:	10/02/21 18:26			
Analyst:	BAD			
Percent Solids:	80%			

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	27.2		mg/kg	17.8	--	2
C9-C12 Aliphatics	902		mg/kg	17.8	--	2
C9-C10 Aromatics	420		mg/kg	17.8	--	2
C5-C8 Aliphatics, Adjusted	27.2		mg/kg	17.8	--	2
C9-C12 Aliphatics, Adjusted	474		mg/kg	17.8	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	121		70-130
2,5-Dibromotoluene-FID	120		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-05	Date Collected:	09/28/21 11:30
Client ID:	B-02 (5-6')	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/21 23:30		
Analyst:	BAD		
Percent Solids:	78%		
Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	9.45	--	1
C9-C12 Aliphatics	12.2		mg/kg	9.45	--	1
C9-C10 Aromatics	ND		mg/kg	9.45	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	9.45	--	1
C9-C12 Aliphatics, Adjusted	12.2		mg/kg	9.45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	117		70-130
2,5-Dibromotoluene-FID	115		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-05			Date Collected:	09/28/21 11:30
Client ID:	B-02 (5-6')			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Soil			Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1			Extraction Date:	09/29/21 20:03
Analytical Date:	10/01/21 18:47	M.S. Analytical Date:	10/02/21 15:10	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/01/21
Percent Solids:	78%				

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.34	--	1
C19-C36 Aliphatics	8.69		mg/kg	8.34	--	1
C11-C22 Aromatics	ND		mg/kg	8.34	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	8.34	--	1
Naphthalene	ND		mg/kg	0.033	--	1
2-Methylnaphthalene	ND		mg/kg	0.033	--	1
Acenaphthylene	ND		mg/kg	0.033	--	1
Acenaphthene	ND		mg/kg	0.033	--	1
Fluorene	ND		mg/kg	0.033	--	1
Phenanthrene	ND		mg/kg	0.033	--	1
Anthracene	ND		mg/kg	0.033	--	1
Fluoranthene	0.072		mg/kg	0.033	--	1
Pyrene	0.067		mg/kg	0.033	--	1
Benzo(a)anthracene	ND		mg/kg	0.033	--	1
Chrysene	ND		mg/kg	0.033	--	1
Benzo(b)fluoranthene	0.040		mg/kg	0.033	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.033	--	1
Benzo(a)pyrene	ND		mg/kg	0.033	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.033	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.033	--	1
Benzo(ghi)perylene	ND		mg/kg	0.033	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-05	Date Collected:	09/28/21 11:30
Client ID:	B-02 (5-6')	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	54		40-140
o-Terphenyl	65		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	81		40-140
O-Terphenyl-MS	70		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-06	Date Collected:	09/28/21 12:50
Client ID:	MW-02	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/21 17:33		
Analyst:	BAD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	131		ug/l	50.0	--	1
C9-C12 Aliphatics	73.4		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	131		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	73.4		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	86		70-130
2,5-Dibromotoluene-FID	87		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-06			Date Collected:	09/28/21 12:50
Client ID:	MW-02			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/03/21 05:29
Analytical Date:	10/04/21 15:31	M.S. Analytical Date:	10/04/21 17:38	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	WR	Cleanup Date1:	10/04/21

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-06	Date Collected:	09/28/21 12:50
Client ID:	MW-02	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	97		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	82		40-140
O-Terphenyl-MS	94		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-07	Date Collected:	09/28/21 12:50
Client ID:	MW-11	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/21 18:03		
Analyst:	BAD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	122		ug/l	50.0	--	1
C9-C12 Aliphatics	76.0		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	122		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	76.0		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	93		70-130
2,5-Dibromotoluene-FID	92		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-07			Date Collected:	09/28/21 12:50
Client ID:	MW-11			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/03/21 05:29
Analytical Date:	10/04/21 16:06	M.S. Analytical Date:	10/04/21 17:54	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	WR	Cleanup Date1:	10/04/21

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

EPH w/Targets via GCMS-SIM - Westborough Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-07	Date Collected:	09/28/21 12:50
Client ID:	MW-11	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	60		40-140
o-Terphenyl	79		40-140
2-Fluorobiphenyl	66		40-140
2-Bromonaphthalene	67		40-140
O-Terphenyl-MS	79		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-08	Date Collected:	09/28/21 13:15
Client ID:	SUBSLAB	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Water		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/01/21 18:32		
Analyst:	BAD		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		ug/l	50.0	--	1
C9-C12 Aliphatics	ND		ug/l	50.0	--	1
C9-C10 Aromatics	ND		ug/l	50.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	94		70-130
2,5-Dibromotoluene-FID	94		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-08			Date Collected:	09/28/21 13:15
Client ID:	SUBSLAB			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Water			Extraction Method:	EPA 3510C
Analytical Method:	135,EPH-19-2.1			Extraction Date:	10/03/21 05:29
Analytical Date:	10/04/21 16:41	M.S. Analytical Date:	10/04/21 18:11	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	WR	Cleanup Date1:	10/04/21

Quality Control Information

Condition of sample received:	Satisfactory
Aqueous Preservative:	Laboratory Provided Preserved Container
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		ug/l	100	--	1
C19-C36 Aliphatics	ND		ug/l	100	--	1
C11-C22 Aromatics	ND		ug/l	100	--	1
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--	1
Naphthalene	ND		ug/l	0.400	--	1
2-Methylnaphthalene	ND		ug/l	0.400	--	1
Acenaphthylene	ND		ug/l	0.400	--	1
Acenaphthene	ND		ug/l	0.400	--	1
Fluorene	ND		ug/l	0.400	--	1
Phenanthrene	ND		ug/l	0.400	--	1
Anthracene	ND		ug/l	0.400	--	1
Fluoranthene	ND		ug/l	0.400	--	1
Pyrene	ND		ug/l	0.400	--	1
Benzo(a)anthracene	ND		ug/l	0.400	--	1
Chrysene	ND		ug/l	0.400	--	1
Benzo(b)fluoranthene	ND		ug/l	0.400	--	1
Benzo(k)fluoranthene	ND		ug/l	0.400	--	1
Benzo(a)pyrene	ND		ug/l	0.200	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--	1
Benzo(ghi)perylene	ND		ug/l	0.400	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-08	Date Collected:	09/28/21 13:15
Client ID:	SUBSLAB	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	76		40-140
O-Terphenyl-MS	77		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-09	Date Collected:	09/28/21 13:45
Client ID:	SUBSLAB SOIL	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil		
Analytical Method:	131,VPH-18-2.1		
Analytical Date:	10/02/21 00:00		
Analyst:	BAD		
Percent Solids:	83%		

Trap:	EST, Carbopack B/Carboxen 1000&1001	Analytical Column:	Restek, RTX-502.2, 105m, 0.53ID, 3um

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	7.39	--	1
C9-C12 Aliphatics	ND		mg/kg	7.39	--	1
C9-C10 Aromatics	ND		mg/kg	7.39	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	7.39	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	7.39	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	120		70-130
2,5-Dibromotoluene-FID	118		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-09			Date Collected:	09/28/21 13:45
Client ID:	SUBSLAB SOIL			Date Received:	09/28/21
Sample Location:	BANGOR, ME			Field Prep:	Not Specified
Sample Depth:					
Matrix:	Soil			Extraction Method:	EPA 3546
Analytical Method:	135,EPH-19-2.1			Extraction Date:	09/29/21 20:03
Analytical Date:	10/01/21 19:11	M.S. Analytical Date:	10/02/21 15:27	Cleanup Method1:	EPH-19-2.1
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Date1:	10/01/21
Percent Solids:	83%				

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
EPH w/Targets via GCMS-SIM - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.73	--	1
C19-C36 Aliphatics	16.0		mg/kg	7.73	--	1
C11-C22 Aromatics	ND		mg/kg	7.73	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.73	--	1
Naphthalene	ND		mg/kg	0.031	--	1
2-Methylnaphthalene	ND		mg/kg	0.031	--	1
Acenaphthylene	ND		mg/kg	0.031	--	1
Acenaphthene	ND		mg/kg	0.031	--	1
Fluorene	ND		mg/kg	0.031	--	1
Phenanthrene	0.044		mg/kg	0.031	--	1
Anthracene	ND		mg/kg	0.031	--	1
Fluoranthene	0.054		mg/kg	0.031	--	1
Pyrene	0.049		mg/kg	0.031	--	1
Benzo(a)anthracene	ND		mg/kg	0.031	--	1
Chrysene	ND		mg/kg	0.031	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.031	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.031	--	1
Benzo(a)pyrene	ND		mg/kg	0.031	--	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.031	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.031	--	1
Benzo(ghi)perylene	ND		mg/kg	0.031	--	1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152556-09	Date Collected:	09/28/21 13:45
Client ID:	SUBSLAB SOIL	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

EPH w/Targets via GCMS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	55		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	80		40-140
O-Terphenyl-MS	75		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 10/01/21 16:43
Analyst: SC

M.S. Analytical Date: 10/02/21 13:16
M.S. Analyst: JJW

Extraction Method: EPA 3546
Extraction Date: 09/29/21 20:03
Cleanup Method: EPH-19-2.1
Cleanup Date: 10/01/21

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 01-05,09 Batch: WG1552542-1					
C9-C18 Aliphatics	ND		mg/kg	6.42	--
C19-C36 Aliphatics	ND		mg/kg	6.42	--
C11-C22 Aromatics	ND		mg/kg	6.42	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.42	--
Naphthalene	ND		mg/kg	0.026	--
2-Methylnaphthalene	ND		mg/kg	0.026	--
Acenaphthylene	ND		mg/kg	0.026	--
Acenaphthene	ND		mg/kg	0.026	--
Fluorene	ND		mg/kg	0.026	--
Phenanthrene	ND		mg/kg	0.026	--
Anthracene	ND		mg/kg	0.026	--
Fluoranthene	ND		mg/kg	0.026	--
Pyrene	ND		mg/kg	0.026	--
Benzo(a)anthracene	ND		mg/kg	0.026	--
Chrysene	ND		mg/kg	0.026	--
Benzo(b)fluoranthene	ND		mg/kg	0.026	--
Benzo(k)fluoranthene	ND		mg/kg	0.026	--
Benzo(a)pyrene	ND		mg/kg	0.026	--
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.026	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.026	--
Benzo(ghi)perylene	ND		mg/kg	0.026	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method:	135,EPH-19-2.1			Extraction Method:	EPA 3546
Analytical Date:	10/01/21 16:43	M.S. Analytical Date:	10/02/21 13:16	Extraction Date:	09/29/21 20:03
Analyst:	SC	M.S. Analyst:	JJW	Cleanup Method:	EPH-19-2.1
				Cleanup Date:	10/01/21

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 01-05,09 Batch: WG1552542-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	48		40-140
o-Terphenyl	59		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	76		40-140
O-Terphenyl-MS	63		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/01/21 15:33
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 06-08 Batch: WG1553712-4					
C5-C8 Aliphatics	ND		ug/l	50.0	--
C9-C12 Aliphatics	ND		ug/l	50.0	--
C9-C10 Aromatics	ND		ug/l	50.0	--
C5-C8 Aliphatics, Adjusted	ND		ug/l	50.0	--
C9-C12 Aliphatics, Adjusted	ND		ug/l	50.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	89		70-130
2,5-Dibromotoluene-FID	87		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/01/21 17:03
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-03,05,09 Batch: WG1553725-4					
C5-C8 Aliphatics	ND		mg/kg	5.00	--
C9-C12 Aliphatics	ND		mg/kg	5.00	--
C9-C10 Aromatics	ND		mg/kg	5.00	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	5.00	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	5.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	104		70-130
2,5-Dibromotoluene-FID	102		70-130

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 135,EPH-19-2.1
Analytical Date: 10/04/21 14:56
Analyst: SC

M.S. Analytical Date: 10/04/21 17:22
M.S. Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 10/03/21 05:29
Cleanup Method: EPH-19-2.1
Cleanup Date: 10/04/21

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 06-08 Batch: WG1553789-1					
C9-C18 Aliphatics	ND		ug/l	100	--
C19-C36 Aliphatics	ND		ug/l	100	--
C11-C22 Aromatics	ND		ug/l	100	--
C11-C22 Aromatics, Adjusted	ND		ug/l	100	--
Naphthalene	ND		ug/l	0.400	--
2-Methylnaphthalene	ND		ug/l	0.400	--
Acenaphthylene	ND		ug/l	0.400	--
Acenaphthene	ND		ug/l	0.400	--
Fluorene	ND		ug/l	0.400	--
Phenanthrene	ND		ug/l	0.400	--
Anthracene	ND		ug/l	0.400	--
Fluoranthene	ND		ug/l	0.400	--
Pyrene	ND		ug/l	0.400	--
Benzo(a)anthracene	ND		ug/l	0.400	--
Chrysene	ND		ug/l	0.400	--
Benzo(b)fluoranthene	ND		ug/l	0.400	--
Benzo(k)fluoranthene	ND		ug/l	0.400	--
Benzo(a)pyrene	ND		ug/l	0.200	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.400	--
Dibenzo(a,h)anthracene	ND		ug/l	0.400	--
Benzo(ghi)perylene	ND		ug/l	0.400	--

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method:	135,EPH-19-2.1			Extraction Method:	EPA 3510C
Analytical Date:	10/04/21 14:56	M.S. Analytical Date:	10/04/21 17:22	Extraction Date:	10/03/21 05:29
Analyst:	SC	M.S. Analyst:	WR	Cleanup Method:	EPH-19-2.1
				Cleanup Date:	10/04/21

Parameter	Result	Qualifier	Units	RL	MDL
EPH w/Targets via GCMS-SIM - Westborough Lab for sample(s): 06-08 Batch: WG1553789-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	74		40-140
o-Terphenyl	84		40-140
2-Fluorobiphenyl	72		40-140
2-Bromonaphthalene	73		40-140
O-Terphenyl-MS	83		40-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 131,VPH-18-2.1
Analytical Date: 10/02/21 16:56
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 04 Batch: WG1554541-4					
C5-C8 Aliphatics	ND		mg/kg	5.00	--
C9-C12 Aliphatics	ND		mg/kg	5.00	--
C9-C10 Aromatics	ND		mg/kg	5.00	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	5.00	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	5.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	113		70-130
2,5-Dibromotoluene-FID	113		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 01-05,09 Batch: WG1552542-2 WG1552542-3								
C9-C18 Aliphatics	53		54		40-140	2		25
C19-C36 Aliphatics	71		70		40-140	1		25
C11-C22 Aromatics	75		71		40-140	5		25
Naphthalene	71		81		40-140	13		25
2-Methylnaphthalene	72		84		40-140	15		25
Acenaphthylene	73		84		40-140	14		25
Acenaphthene	80		92		40-140	14		25
Fluorene	77		88		40-140	13		25
Phenanthrene	82		88		40-140	7		25
Anthracene	87		95		40-140	9		25
Fluoranthene	90		96		40-140	6		25
Pyrene	93		100		40-140	7		25
Benzo(a)anthracene	91		96		40-140	5		25
Chrysene	87		93		40-140	7		25
Benzo(b)fluoranthene	86		88		40-140	2		25
Benzo(k)fluoranthene	81		85		40-140	5		25
Benzo(a)pyrene	88		95		40-140	8		25
Indeno(1,2,3-cd)Pyrene	95		104		40-140	9		25
Dibenzo(a,h)anthracene	98		105		40-140	7		25
Benzo(ghi)perylene	83		90		40-140	8		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 01-05,09 Batch: WG1552542-2 WG1552542-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	60		58		40-140
o-Terphenyl	68		63		40-140
2-Fluorobiphenyl	76		73		40-140
2-Bromonaphthalene	77		73		40-140
O-Terphenyl-MS	76		82		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152556

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 06-08 Batch: WG1553712-2 WG1553712-3								
C5-C8 Aliphatics	95		99		70-130	4		25
C9-C12 Aliphatics	99		104		70-130	5		25
C9-C10 Aromatics	94		99		70-130	5		25
Benzene	97		101		70-130	4		25
Toluene	97		101		70-130	4		25
Ethylbenzene	99		103		70-130	4		25
p/m-Xylene	98		102		70-130	4		25
o-Xylene	98		102		70-130	4		25
Methyl tert butyl ether	99		104		70-130	5		25
Naphthalene	97		102		70-130	5		25
1,2,4-Trimethylbenzene	94		99		70-130	5		25
Pentane	90		91		70-130	2		25
2-Methylpentane	97		100		70-130	3		25
2,2,4-Trimethylpentane	99		102		70-130	3		25
n-Nonane	102		105		30-130	3		25
n-Decane	98		102		70-130	4		25
n-Butylcyclohexane	100		104		70-130	4		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	93		99		70-130
2,5-Dibromotoluene-FID	90		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03,05,09 Batch: WG1553725-2 WG1553725-3								
C5-C8 Aliphatics	93		93		70-130	0		25
C9-C12 Aliphatics	98		99		70-130	1		25
C9-C10 Aromatics	92		94		70-130	2		25
Benzene	96		98		70-130	3		25
Toluene	94		97		70-130	3		25
Ethylbenzene	96		98		70-130	2		25
p/m-Xylene	96		98		70-130	2		25
o-Xylene	96		98		70-130	2		25
Methyl tert butyl ether	98		101		70-130	3		25
Naphthalene	101		108		70-130	7		25
1,2,4-Trimethylbenzene	92		94		70-130	2		25
Pentane	84		78		70-130	7		25
2-Methylpentane	95		98		70-130	3		25
2,2,4-Trimethylpentane	98		100		70-130	2		25
n-Nonane	99		100		30-130	1		25
n-Decane	96		97		70-130	0		25
n-Butylcyclohexane	98		100		70-130	2		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	103		104		70-130
2,5-Dibromotoluene-FID	101		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152556

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 06-08 Batch: WG1553789-2 WG1553789-3								
C9-C18 Aliphatics	60		51		40-140	16		25
C19-C36 Aliphatics	108		90		40-140	18		25
C11-C22 Aromatics	99		90		40-140	10		25
Naphthalene	89		85		40-140	5		25
2-Methylnaphthalene	97		93		40-140	4		25
Acenaphthylene	100		96		40-140	4		25
Acenaphthene	104		98		40-140	6		25
Fluorene	101		95		40-140	6		25
Phenanthrene	101		96		40-140	5		25
Anthracene	108		102		40-140	6		25
Fluoranthene	106		102		40-140	4		25
Pyrene	108		103		40-140	5		25
Benzo(a)anthracene	114		104		40-140	9		25
Chrysene	105		104		40-140	1		25
Benzo(b)fluoranthene	106		105		40-140	1		25
Benzo(k)fluoranthene	110		100		40-140	10		25
Benzo(a)pyrene	109		103		40-140	6		25
Indeno(1,2,3-cd)Pyrene	110		101		40-140	9		25
Dibenzo(a,h)anthracene	114		109		40-140	4		25
Benzo(ghi)perylene	96		90		40-140	6		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
EPH w/Targets via GCMS-SIM - Westborough Lab Associated sample(s): 06-08 Batch: WG1553789-2 WG1553789-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	89		79		40-140
o-Terphenyl	90		85		40-140
2-Fluorobiphenyl	81		67		40-140
2-Bromonaphthalene	82		67		40-140
O-Terphenyl-MS	101		95		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 04 Batch: WG1554541-2 WG1554541-3								
C5-C8 Aliphatics	87		91		70-130	4		25
C9-C12 Aliphatics	96		101		70-130	5		25
C9-C10 Aromatics	88		92		70-130	5		25
Benzene	88		94		70-130	6		25
Toluene	88		93		70-130	6		25
Ethylbenzene	90		95		70-130	6		25
p/m-Xylene	90		95		70-130	5		25
o-Xylene	89		94		70-130	6		25
Methyl tert butyl ether	89		96		70-130	8		25
Naphthalene	96		104		70-130	8		25
1,2,4-Trimethylbenzene	88		92		70-130	5		25
Pentane	81		82		70-130	1		25
2-Methylpentane	88		93		70-130	5		25
2,2,4-Trimethylpentane	91		97		70-130	6		25
n-Nonane	96		102		30-130	6		25
n-Decane	96		102		70-130	6		25
n-Butylcyclohexane	94		100		70-130	6		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	101		106		70-130
2,5-Dibromotoluene-FID	100		105		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-01
Client ID: B-03 (1-3')
Sample Location: BANGOR, ME
Sample Depth:
Matrix: Soil

Date Collected: 09/28/21 09:35
Date Received: 09/28/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	09/29/21 09:53	121,2540G	RI

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-02
Client ID: B-11 (1-3')
Sample Location: BANGOR, ME
Sample Depth:
Matrix: Soil

Date Collected: 09/28/21 09:35
Date Received: 09/28/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	09/29/21 09:53	121,2540G	RI

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-03
Client ID: HA-06
Sample Location: BANGOR, ME
Sample Depth:
Matrix: Soil

Date Collected: 09/28/21 10:30
Date Received: 09/28/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	09/29/21 09:53	121,2540G	RI

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-04
Client ID: B-01 (5-6')
Sample Location: BANGOR, ME
Sample Depth:
Matrix: Soil

Date Collected: 09/28/21 11:02
Date Received: 09/28/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.6		%	0.100	NA	1	-	09/29/21 09:53	121,2540G	RI

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-05
Client ID: B-02 (5-6')
Sample Location: BANGOR, ME
Sample Depth:
Matrix: Soil

Date Collected: 09/28/21 11:30
Date Received: 09/28/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	09/29/21 09:53	121,2540G	RI

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152556
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152556-09
Client ID: SUBSLAB SOIL
Sample Location: BANGOR, ME
Sample Depth:
Matrix: Soil

Date Collected: 09/28/21 13:45
Date Received: 09/28/21
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	09/29/21 09:53	121,2540G	RI

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152556

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-05,09 Batch: WG1552138-2										
Solids, Total	99.7		%	0.100	NA	1	-	09/29/21 09:53	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152556

Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05,09 QC Batch ID: WG1552138-1 QC Sample: L2152556-01 Client ID: B-03 (1-3')						
Solids, Total	81.7	83.6	%	2		20

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact
B	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152556-01A	Vial MeOH preserved	A	NA		3.0	Y	Present/Intact		8260HLW(14),VPH-18(28)
L2152556-01B	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-01C	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-01D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Present/Intact		ME-TS-2540(7)
L2152556-01E	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-02A	Vial MeOH preserved	A	NA		3.0	Y	Present/Intact		8260HLW(14),VPH-18(28)
L2152556-02B	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-02C	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-02D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Present/Intact		ME-TS-2540(7)
L2152556-02E	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-03A	Vial MeOH preserved	A	NA		3.0	Y	Present/Intact		8260HLW(14),VPH-18(28)
L2152556-03B	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-03C	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-03D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Present/Intact		ME-TS-2540(7)
L2152556-03E	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-04A	Vial MeOH preserved	A	NA		3.0	Y	Present/Intact		8260HLW(14),VPH-18(28)
L2152556-04B	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-04C	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-04D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Present/Intact		ME-TS-2540(7)
L2152556-04E	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-05A	Vial MeOH preserved	A	NA		3.0	Y	Present/Intact		8260HLW(14),VPH-18(28)
L2152556-05B	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152556-05C	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-05D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Present/Intact		ME-TS-2540(7)
L2152556-05E	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-06A	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-06B	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-06C	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-06D	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-06E	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-06F	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-06G	Amber 1000ml HCl preserved	B	<2	<2	4.2	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-06H	Amber 1000ml HCl preserved	B	<2	<2	4.2	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-07A	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-07B	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-07C	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-07D	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-07E	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-07F	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-07G	Amber 1000ml HCl preserved	B	<2	<2	4.2	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-07H	Amber 1000ml HCl preserved	B	<2	<2	4.2	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-08A	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-08B	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-08C	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-VPH-18(14)
L2152556-08D	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-08E	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-08F	Vial HCl preserved	B	NA		4.2	Y	Present/Intact		ME-8260(14)
L2152556-08G	Amber 1000ml HCl preserved	B	<2	<2	4.2	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-08H	Amber 1000ml HCl preserved	B	<2	<2	4.2	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)
L2152556-09A	Vial MeOH preserved	A	NA		3.0	Y	Present/Intact		8260HLW(14),VPH-18(28)

*Values in parentheses indicate holding time in days

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152556
Report Date: 10/05/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152556-09B	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-09C	Vial water preserved	A	NA		3.0	Y	Present/Intact	29-SEP-21 01:20	8260HLW(14)
L2152556-09D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Present/Intact		ME-TS-2540(7)
L2152556-09E	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Present/Intact		EPHD-GC-20(14),EPH-MS-20(14)

*Values in parentheses indicate holding time in days

Project Name:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152556
Project Number:	BE-365	**Report Date:**	10/05/21

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:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152556
Project Number:	BE-365	**Report Date:**	10/05/21

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:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152556
Project Number:	BE-365	**Report Date:**	10/05/21

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.)

Project Name:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152556
Project Number:	BE-365	**Report Date:**	10/05/21

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.

131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.

135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.

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.

Serial_No:10052113:31

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9/28/21

ALPHA Job #: L2152556

ALPHA ANALYTICAL

8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220

320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Project Information

Project Name: Broadway Dry Cleaners

Project Location: Bangor, ME

Project #: BE-365

Project Manager: Cressey

ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEx ☐ EMAIL

Billing Information

☒ Same as Client info PO #: BE-365

Client Information

Client: Beacon Environmental

Address: PO Box 2154, Windham, ME 04062

Phone: (207) 376-5001

Email: Jcressey@beaconmetals.com

Regulatory Requirements & Project Information Requirements

☐ Yes ☒ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods

☐ Yes ☒ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

☐ Yes ☒ No GW1 Standards (Info Required for Metals & EPH with Targets)

☐ Yes ☒ No NPDES RGP

☐ Other State /Fed Program ____ Criteria ____

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Additional Project Information:

ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2; SVOC: ☐ ABN ☐ PAH; METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15; METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13; EPH: ☒ Ranges & Targets ☐ Ranges Only; VPH: ☐ Ranges & Targets ☒ Ranges Only; TPH: ☐ Quant Only ☐ Fingerprint; ☐ PCB ☐ PEST

SAMPLE INFO — Filtration: ☐ Field ☐ Lab to do; Preservation: ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC 8260	EPH	VPH	Sample Comments
52556-01	B-03 (1-3')	9/28/21	935	S	JWC	X	X	X	10 PPM
02	B-11 (1-3')	↓	935	S	JWC	X	X	X	10 PPM
03	HA-06	↓	1030	S	JWC	X	X	X	1.3 PPM
04	B-01 (5-6')	↓	1102	S	JWC	X	X	X	148.3 PPM
05	B-02 (5-6')	↓	1130	S	JWC	X	X	X	35 PPM
06	MW-02	↓	1250	GW	JWC	X	X	X	
07	MW-11	↓	1250	GW	JWC	X	X	X	
08	SUBSLAB	↓	1315	GW	JWC	X	X	X	
09	SUBSLAB SOIL	↓	1345	S	JWC	X	X	X	2 PPM
Container Type						V	A	V	
Preservative						F/A	A/B	F/B	

Container Type: P= Plastic, A= Amber glass, V= Vial, G= Glass, B= Bacteria cup, C= Cube, O= Other, E= Encore, D= BOD Bottle

Preservative: A= None, B= HCl, C= HNO_3, D= H_2SO_4, E= NaOH, F= MeOH, G= $NaHSO_4$, H = $Na_2S_2O_3$, I= Ascorbic Acid, J = NH_4Cl, K= Zn Acetate, O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/28 1446	[signature]	9/28/21 1446
[signature] AAC	9/29/21 1x24	[signature] AAC	9/29/21 1x24
[signature] AAC Bottle	9/29/21 1600	[signature]	9/29/21 1600

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

UNISHIP COURIER SERVICES LLC

10 Iron Road
Hermon, Maine 04401

Bill Shipping Charge to

Shipper ☐ Recipient ☐ ☐ Next Day ☐ Same Day

Special ____________

086623

390 US Route One, #3
Falmouth, Maine 04105

Phone 207•848•7546 ■ Toll-Free 800•427•7547 ■ Fax 207•561•2467

FROM: Shipper	Alpha	TO: Recipient	Alpha
Street	72 Center St.	Street	8 Walkup Drive
Origin	Brewer ME Zip Code 04417	Destination	Westboro MA Zip Code 01581
Phone #		Phone #	

No. Pieces	Weight Each	Description of Items	Total Weight (Subject to Correction)	Oversize Charge	Shipping Charges
3		Coolers			
4		Creates			
7 TOTAL PIECES		WEIGHT GRAND TOTAL		TOTAL CHARGES	

Shipper authorizes Uniship to deliver this shipment without obtaining a delivery signature.

Shipper's Signature ____________

Please use complete ship to address.
Uniship can not deliver to P.O. Boxes.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property, under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property overall or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	PICK-UP TIME 1800	RECIPIENT	DELIVERY TIME 9/28/21 1328
COURIER SIGNATURE	DATE 9-28	COURIER SIGNATURE	DATE

RECIPIENT COPY


SCI SPEC
PRECLEANED CONTAINERS
Committed to Quality Since 1963
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PRECLEANED CONTAINERS
Committed to Quality Since 1963
Custody Seal Custody Seal Custody Seal Custody Seal
SIGNATURE
scispec.com
SCI SPEC
C20000
PRECLEANED CONTAINERS
Committed to Quality Since 1963

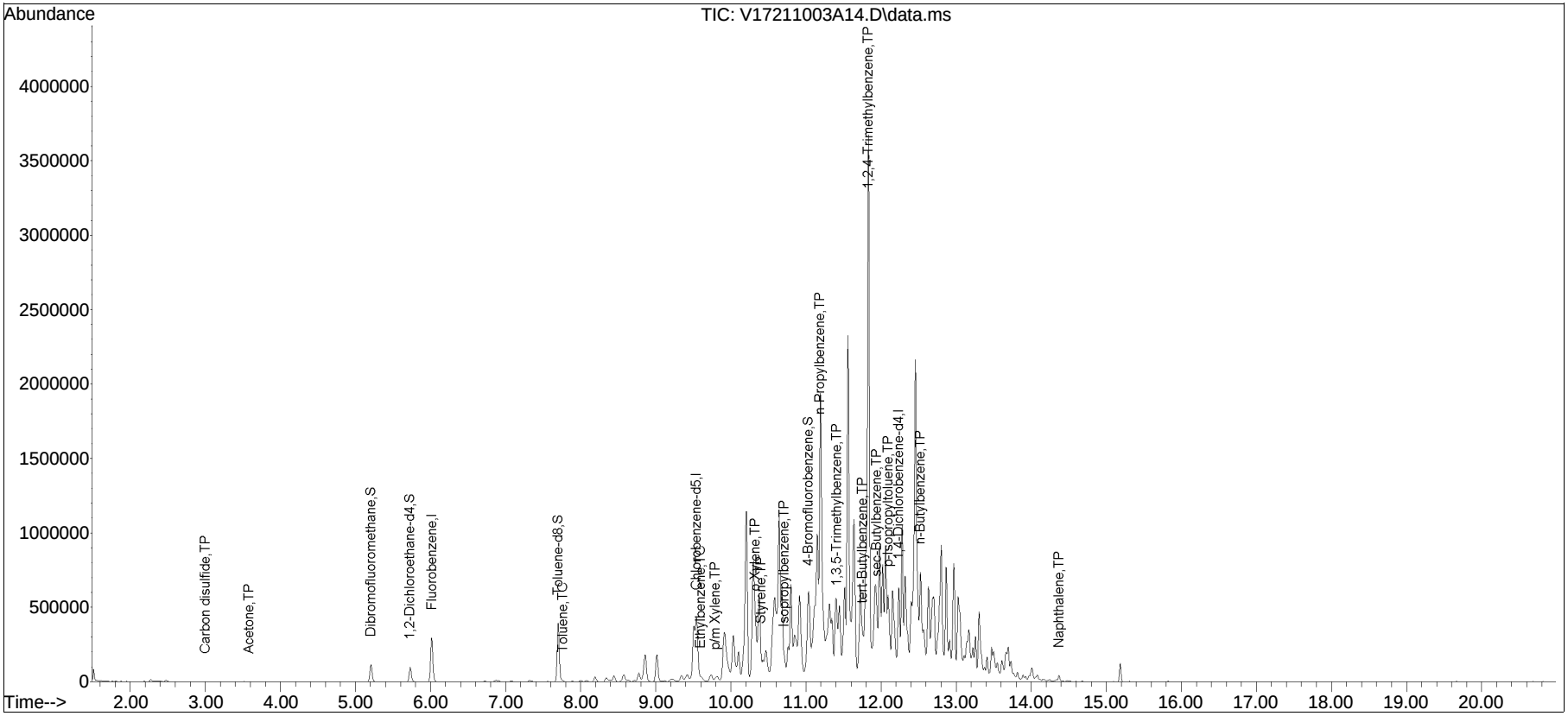
A

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA117\2021\211003A\
Data File : V17211003A14.D
Acq On : 03 Oct 2021 08:47 pm
Operator : VOA117:MKS
Sample : L2152556-04D,31H,12.33,15,0.025,,A
Misc : WG1554237,ICAL18177
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 04 15:39:11 2021
Quant Method : I:\VOLATILES\VOA117\2021\211003A\V117_210726N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 27 09:16:22 2021
Response via : Initial Calibration

Sub List : 8260-Reg - Regular 8260\2021\211003A\V17211003A02.D•



ANALYTICAL REPORT

Lab Number:	L2152622
Client:	Beacon Environmental Consultants, LLC 33 Hawthorne Drive P.O. Box 2154 Windham, ME 04062
ATTN:	John Cressey
Phone:	(207) 376-5001
Project Name:	BROADWAY DRY CLEANERS
Project Number:	BE-365
Report Date:	10/05/21

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: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2152622-01	HA-05	SOIL_VAPOR	BANGOR, ME	09/28/21 11:08	09/28/21
L2152622-02	HA-04	SOIL_VAPOR	BANGOR, ME	09/28/21 09:50	09/28/21
L2152622-03	HA-07	SOIL_VAPOR	BANGOR, ME	09/28/21 11:40	09/28/21
L2152622-04	SV-06	SOIL_VAPOR	BANGOR, ME	09/28/21 10:34	09/28/21
L2152622-05	SV-03	SOIL_VAPOR	BANGOR, ME	09/28/21 10:39	09/28/21
L2152622-06	SSV-01	SOIL_VAPOR	BANGOR, ME	09/28/21 11:19	09/28/21
L2152622-07	SSV-02	SOIL_VAPOR	BANGOR, ME	09/28/21 11:19	09/28/21
L2152622-08	SV-01	SOIL_VAPOR	BANGOR, ME	09/28/21 11:48	09/28/21
L2152622-09	SV-02	SOIL_VAPOR	BANGOR, ME	09/28/21 12:42	09/28/21
L2152622-10	HA-09	SOIL_VAPOR	BANGOR, ME	09/28/21 14:30	09/28/21
L2152622-11	HA-01	SOIL_VAPOR	BANGOR, ME	09/28/21 13:09	09/28/21
L2152622-12	UNUSED CAN #2639	SOIL_VAPOR	BANGOR, ME		09/28/21

Project Name:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152622
Project Number:	BE-365	**Report Date:**	10/05/21

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:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152622
Project Number:	BE-365	**Report Date:**	10/05/21

Case Narrative (continued)

Report Revision

October 5, 2021; the report has been amended to change the sample ID for L2152622-07 at the request of the client.

Volatile Organics in Air

Canisters were released from the laboratory on September 24, 2021. The canister certification results are provided as an addendum.

L2152622-01D,03D,10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2152622-05D,06D,07D,09D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-08D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-05,08D,09D: 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.

WG1553518-5D: The relative percent difference for propylene (28%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected; therefore no further action was taken.

Project Name:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152622
Project Number:	BE-365	**Report Date:**	10/05/21

Case Narrative (continued)

Petroleum Hydrocarbons in Air

L2152622-01D, -03D, and -10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2152622-01 through -11: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

L2152622-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2152622-07D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2152622-08D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2152622-09D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

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: 10/05/21

AIR

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-01 D
Client ID: HA-05
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:08
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 17:21
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.722	--	ND	1.24	--		1.443
Dichlorodifluoromethane	0.491	0.289	--	2.43	1.43	--		1.443
Chloromethane	0.547	0.289	--	1.13	0.597	--		1.443
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.072	--	ND	0.505	--		1.443
Vinyl chloride	ND	0.029	--	ND	0.074	--		1.443
1,3-Butadiene	ND	0.029	--	ND	0.064	--		1.443
Bromomethane	ND	0.029	--	ND	0.112	--		1.443
Chloroethane	ND	0.144	--	ND	0.380	--		1.443
Ethyl Alcohol	ND	7.22	--	ND	13.6	--		1.443
Vinyl bromide	ND	0.289	--	ND	1.26	--		1.443
Acetone	4.22	1.44	--	10.0	3.42	--		1.443
Trichlorofluoromethane	0.212	0.072	--	1.19	0.406	--		1.443
iso-Propyl Alcohol	ND	0.722	--	ND	1.77	--		1.443
1,1-Dichloroethene	ND	0.029	--	ND	0.115	--		1.443
Methylene chloride	ND	0.722	--	ND	2.51	--		1.443
1,2-Dichloroethene (total)	ND	0.029	--	ND	0.115	--		1.443
3-Chloropropene	ND	0.289	--	ND	0.905	--		1.443
1,3-Dichloropropene, Total	ND	0.029	--	ND	0.131	--		1.443
Carbon disulfide	ND	0.289	--	ND	0.900	--		1.443
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.072	--	ND	0.553	--		1.443
trans-1,2-Dichloroethene	ND	0.029	--	ND	0.115	--		1.443
1,1-Dichloroethane	ND	0.029	--	ND	0.117	--		1.443
Methyl tert butyl ether	ND	0.289	--	ND	1.04	--		1.443

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-01 D
Client ID: HA-05
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:08
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.44	--	ND	5.07	--		1.443
2-Butanone	ND	0.722	--	ND	2.13	--		1.443
cis-1,2-Dichloroethene	ND	0.029	--	ND	0.115	--		1.443
Ethyl Acetate	ND	0.722	--	ND	2.60	--		1.443
Chloroform	ND	0.029	--	ND	0.141	--		1.443
Tetrahydrofuran	ND	0.722	--	ND	2.13	--		1.443
1,2-Dichloroethane	ND	0.029	--	ND	0.117	--		1.443
n-Hexane	ND	0.289	--	ND	1.02	--		1.443
1,1,1-Trichloroethane	ND	0.029	--	ND	0.158	--		1.443
Benzene	ND	0.144	--	ND	0.460	--		1.443
Carbon tetrachloride	0.084	0.029	--	0.527	0.182	--		1.443
Cyclohexane	ND	0.289	--	ND	0.995	--		1.443
1,2-Dichloropropane	0.029	0.029	--	0.134	0.134	--		1.443
Bromodichloromethane	ND	0.029	--	ND	0.194	--		1.443
1,4-Dioxane	ND	0.144	--	ND	0.519	--		1.443
Trichloroethene	ND	0.029	--	ND	0.155	--		1.443
2,2,4-Trimethylpentane	ND	0.289	--	ND	1.35	--		1.443
Heptane	ND	0.289	--	ND	1.18	--		1.443
cis-1,3-Dichloropropene	ND	0.029	--	ND	0.131	--		1.443
4-Methyl-2-pentanone	ND	0.722	--	ND	2.96	--		1.443
trans-1,3-Dichloropropene	ND	0.029	--	ND	0.131	--		1.443
1,1,2-Trichloroethane	ND	0.029	--	ND	0.158	--		1.443
Toluene	0.942	0.144	--	3.55	0.543	--		1.443
2-Hexanone	ND	0.289	--	ND	1.18	--		1.443
Dibromochloromethane	ND	0.029	--	ND	0.246	--		1.443
1,2-Dibromoethane	ND	0.029	--	ND	0.222	--		1.443

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-01 D
Client ID: HA-05
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:08
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	0.069	0.029	--	0.470	0.196	--		1.443
Chlorobenzene	ND	0.144	--	ND	0.663	--		1.443
Ethylbenzene	0.078	0.029	--	0.338	0.126	--		1.443
p/m-Xylene	0.254	0.058	--	1.10	0.251	--		1.443
Xylene (Total)	0.369	0.029	--	1.60	0.126	--		1.443
Bromoform	ND	0.029	--	ND	0.299	--		1.443
Styrene	ND	0.029	--	ND	0.123	--		1.443
1,1,2,2-Tetrachloroethane	ND	0.029	--	ND	0.198	--		1.443
o-Xylene	0.115	0.029	--	0.500	0.126	--		1.443
4-Ethyltoluene	ND	0.029	--	ND	0.142	--		1.443
1,3,5-Trimethylbenzene	0.040	0.029	--	0.199	0.142	--		1.443
1,2,4-Trimethylbenzene	0.130	0.029	--	0.639	0.142	--		1.443
Benzyl chloride	ND	0.289	--	ND	1.50	--		1.443
1,3-Dichlorobenzene	ND	0.029	--	ND	0.174	--		1.443
1,4-Dichlorobenzene	ND	0.029	--	ND	0.174	--		1.443
1,2-Dichlorobenzene	ND	0.029	--	ND	0.174	--		1.443
1,2,4-Trichlorobenzene	ND	0.072	--	ND	0.536	--		1.443
Naphthalene	ND	0.072	--	ND	0.379	--		1.443
Hexachlorobutadiene	ND	0.072	--	ND	0.770	--		1.443

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-02
Client ID: HA-04
Sample Location: BANGOR, ME

Date Collected: 09/28/21 09:50
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 18:23
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	0.485	0.200	--	2.40	0.989	--		1
Chloromethane	0.223	0.200	--	0.461	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.026	0.020	--	0.058	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.85	1.00	--	9.15	2.38	--		1
Trichlorofluoromethane	0.209	0.050	--	1.17	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.064	0.050	--	0.491	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-02
Client ID: HA-04
Sample Location: BANGOR, ME

Date Collected: 09/28/21 09:50
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	0.588	0.500	--	1.73	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.417	0.020	--	2.04	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.201	0.100	--	0.642	0.319	--		1
Carbon tetrachloride	0.064	0.020	--	0.403	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	0.022	0.020	--	0.102	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	0.030	0.020	--	0.161	0.107	--		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	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.23	0.100	--	4.64	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-02
Client ID: HA-04
Sample Location: BANGOR, ME

Date Collected: 09/28/21 09:50
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	11.3	0.020	--	76.6	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.449	0.020	--	1.95	0.087	--		1
p/m-Xylene	1.98	0.040	--	8.60	0.174	--		1
Xylene (Total)	2.70	0.020	--	11.7	0.087	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.031	0.020	--	0.132	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.714	0.020	--	3.10	0.087	--		1
4-Ethyltoluene	0.051	0.020	--	0.251	0.098	--		1
1,3,5-Trimethylbenzene	0.062	0.020	--	0.305	0.098	--		1
1,2,4-Trimethylbenzene	0.231	0.020	--	1.14	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.026	0.020	--	0.156	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-03 D
Client ID: HA-07
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:40
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 19:02
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.631	--	ND	1.09	--		1.262
Dichlorodifluoromethane	0.462	0.252	--	2.28	1.25	--		1.262
Chloromethane	0.524	0.252	--	1.08	0.520	--		1.262
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.063	--	ND	0.441	--		1.262
Vinyl chloride	ND	0.025	--	ND	0.064	--		1.262
1,3-Butadiene	ND	0.025	--	ND	0.056	--		1.262
Bromomethane	ND	0.025	--	ND	0.098	--		1.262
Chloroethane	ND	0.126	--	ND	0.332	--		1.262
Ethyl Alcohol	ND	6.31	--	ND	11.9	--		1.262
Vinyl bromide	ND	0.252	--	ND	1.10	--		1.262
Acetone	6.48	1.26	--	15.4	2.99	--		1.262
Trichlorofluoromethane	0.193	0.063	--	1.08	0.355	--		1.262
iso-Propyl Alcohol	ND	0.631	--	ND	1.55	--		1.262
1,1-Dichloroethene	ND	0.025	--	ND	0.10	--		1.262
Methylene chloride	ND	0.631	--	ND	2.19	--		1.262
1,2-Dichloroethene (total)	ND	0.025	--	ND	0.10	--		1.262
3-Chloropropene	ND	0.252	--	ND	0.789	--		1.262
1,3-Dichloropropene, Total	ND	0.025	--	ND	0.114	--		1.262
Carbon disulfide	ND	0.252	--	ND	0.785	--		1.262
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.063	--	ND	0.484	--		1.262
trans-1,2-Dichloroethene	ND	0.025	--	ND	0.10	--		1.262
1,1-Dichloroethane	ND	0.025	--	ND	0.102	--		1.262
Methyl tert butyl ether	ND	0.252	--	ND	0.909	--		1.262

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-03 D
Client ID: HA-07
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:40
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.26	--	ND	4.44	--		1.262
2-Butanone	ND	0.631	--	ND	1.86	--		1.262
cis-1,2-Dichloroethene	ND	0.025	--	ND	0.10	--		1.262
Ethyl Acetate	ND	0.631	--	ND	2.27	--		1.262
Chloroform	0.047	0.025	--	0.228	0.123	--		1.262
Tetrahydrofuran	ND	0.631	--	ND	1.86	--		1.262
1,2-Dichloroethane	ND	0.025	--	ND	0.102	--		1.262
n-Hexane	ND	0.252	--	ND	0.888	--		1.262
1,1,1-Trichloroethane	ND	0.025	--	ND	0.137	--		1.262
Benzene	ND	0.126	--	ND	0.403	--		1.262
Carbon tetrachloride	0.072	0.025	--	0.452	0.159	--		1.262
Cyclohexane	ND	0.252	--	ND	0.867	--		1.262
1,2-Dichloropropane	ND	0.025	--	ND	0.116	--		1.262
Bromodichloromethane	ND	0.025	--	ND	0.169	--		1.262
1,4-Dioxane	ND	0.126	--	ND	0.454	--		1.262
Trichloroethene	ND	0.025	--	ND	0.135	--		1.262
2,2,4-Trimethylpentane	ND	0.252	--	ND	1.18	--		1.262
Heptane	ND	0.252	--	ND	1.03	--		1.262
cis-1,3-Dichloropropene	ND	0.025	--	ND	0.114	--		1.262
4-Methyl-2-pentanone	ND	0.631	--	ND	2.59	--		1.262
trans-1,3-Dichloropropene	ND	0.025	--	ND	0.114	--		1.262
1,1,2-Trichloroethane	ND	0.025	--	ND	0.137	--		1.262
Toluene	0.245	0.126	--	0.923	0.475	--		1.262
2-Hexanone	ND	0.252	--	ND	1.03	--		1.262
Dibromochloromethane	ND	0.025	--	ND	0.215	--		1.262
1,2-Dibromoethane	ND	0.025	--	ND	0.194	--		1.262

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-03 D
Client ID: HA-07
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:40
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	0.114	0.025	--	0.773	0.171	--		1.262
Chlorobenzene	ND	0.126	--	ND	0.580	--		1.262
Ethylbenzene	0.047	0.025	--	0.203	0.109	--		1.262
p/m-Xylene	0.164	0.051	--	0.712	0.219	--		1.262
Xylene (Total)	0.235	0.025	--	1.02	0.109	--		1.262
Bromoform	ND	0.025	--	ND	0.261	--		1.262
Styrene	ND	0.025	--	ND	0.107	--		1.262
1,1,2,2-Tetrachloroethane	ND	0.025	--	ND	0.173	--		1.262
o-Xylene	0.071	0.025	--	0.307	0.109	--		1.262
4-Ethyltoluene	ND	0.025	--	ND	0.124	--		1.262
1,3,5-Trimethylbenzene	ND	0.025	--	ND	0.124	--		1.262
1,2,4-Trimethylbenzene	0.045	0.025	--	0.223	0.124	--		1.262
Benzyl chloride	ND	0.252	--	ND	1.30	--		1.262
1,3-Dichlorobenzene	ND	0.025	--	ND	0.152	--		1.262
1,4-Dichlorobenzene	ND	0.025	--	ND	0.152	--		1.262
1,2-Dichlorobenzene	ND	0.025	--	ND	0.152	--		1.262
1,2,4-Trichlorobenzene	ND	0.063	--	ND	0.468	--		1.262
Naphthalene	ND	0.063	--	ND	0.331	--		1.262
Hexachlorobutadiene	ND	0.063	--	ND	0.673	--		1.262

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-04
Client ID: SV-06
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:34
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 19:41
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	0.720	0.500	--	1.24	0.861	--		1
Dichlorodifluoromethane	0.473	0.200	--	2.34	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.045	0.020	--	0.10	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	10.1	5.00	--	19.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.40	1.00	--	17.6	2.38	--		1
Trichlorofluoromethane	0.211	0.050	--	1.19	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.056	0.050	--	0.429	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-04
Client ID: SV-06
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:34
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	1.02	0.500	--	3.01	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.181	0.020	--	0.884	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	0.337	0.200	--	1.19	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.178	0.100	--	0.569	0.319	--		1
Carbon tetrachloride	0.030	0.020	--	0.189	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	0.039	0.020	--	0.180	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.294	0.200	--	1.20	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.53	0.100	--	5.77	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-04
Client ID: SV-06
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:34
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	0.308	0.020	--	2.09	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.363	0.020	--	1.58	0.087	--		1
p/m-Xylene	1.46	0.040	--	6.34	0.174	--		1
Xylene (Total)	2.07	0.020	--	8.99	0.087	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.030	0.020	--	0.128	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.608	0.020	--	2.64	0.087	--		1
4-Ethyltoluene	0.073	0.020	--	0.359	0.098	--		1
1,3,5-Trimethylbenzene	0.096	0.020	--	0.472	0.098	--		1
1,2,4-Trimethylbenzene	0.353	0.020	--	1.74	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.055	0.020	--	0.331	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	0.083	0.050	--	0.435	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-05
Client ID: SV-03
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:39
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 20:20
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	188	0.500	--	324	0.861	--	E	1
Dichlorodifluoromethane	1.14	0.200	--	5.64	0.989	--		1
Chloromethane	0.807	0.200	--	1.67	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	13.5	0.020	--	29.9	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	9.69	5.00	--	18.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	39.7	1.00	--	94.3	2.38	--		1
Trichlorofluoromethane	0.183	0.050	--	1.03	0.281	--		1
iso-Propyl Alcohol	0.539	0.500	--	1.32	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
Methylene chloride	2.12	0.500	--	7.36	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	14.1	0.200	--	43.9	0.623	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.062	0.050	--	0.475	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-05
Client ID: SV-03
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:39
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	11.1	0.500	--	32.7	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	4.21	0.200	--	14.8	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	2.80	0.100	--	8.95	0.319	--		1
Carbon tetrachloride	0.053	0.020	--	0.333	0.126	--		1
Cyclohexane	0.526	0.200	--	1.81	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.82	0.200	--	7.46	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	3.27	0.100	--	12.3	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-05
Client ID: SV-03
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:39
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	0.075	0.020	--	0.509	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	1.03	0.020	--	4.47	0.087	--		1
p/m-Xylene	2.77	0.040	--	12.0	0.174	--		1
Xylene (Total)	3.95	0.020	--	17.2	0.087	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.257	0.020	--	1.09	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	1.18	0.020	--	5.13	0.087	--		1
4-Ethyltoluene	0.149	0.020	--	0.733	0.098	--		1
1,3,5-Trimethylbenzene	0.191	0.020	--	0.939	0.098	--		1
1,2,4-Trimethylbenzene	0.623	0.020	--	3.06	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.061	0.020	--	0.367	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	0.074	0.050	--	0.388	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	102		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-05 D
Client ID: SV-03
Sample Location: BANGOR, ME

Date Collected: 09/28/21 10:39
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/02/21 08:26
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	304	5.00	--	523	8.61	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	69		60-140
chlorobenzene-d5	77		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-06 D
Client ID: SSV-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:19
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 20:55
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	5.00	--	ND	8.61	--		10
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.500	--	ND	3.49	--		10
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
1,3-Butadiene	ND	0.200	--	ND	0.442	--		10
Bromomethane	ND	0.200	--	ND	0.777	--		10
Chloroethane	ND	1.00	--	ND	2.64	--		10
Ethyl Alcohol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	ND	10.0	--	ND	23.8	--		10
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		10
iso-Propyl Alcohol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
1,2-Dichloroethene (total)	0.960	0.200	--	3.81	0.793	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		10
Carbon disulfide	ND	2.00	--	ND	6.23	--		10
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.500	--	ND	3.83	--		10
trans-1,2-Dichloroethene	0.680	0.200	--	2.70	0.793	--		10
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-06 D
Client ID: SSV-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:19
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	10.0	--	ND	35.2	--		10
2-Butanone	ND	5.00	--	ND	14.7	--		10
cis-1,2-Dichloroethene	0.280	0.200	--	1.11	0.793	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	ND	0.200	--	ND	0.977	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		10
n-Hexane	ND	2.00	--	ND	7.05	--		10
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Benzene	ND	1.00	--	ND	3.19	--		10
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		10
Bromodichloromethane	ND	0.200	--	ND	1.34	--		10
1,4-Dioxane	ND	1.00	--	ND	3.60	--		10
Trichloroethene	92.1	0.200	--	495	1.07	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		10
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Toluene	2.40	1.00	--	9.04	3.77	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	0.200	--	ND	1.70	--		10
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		10

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-06 D
Client ID: SSV-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:19
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	308	0.200	--	2090	1.36	--		10
Chlorobenzene	ND	1.00	--	ND	4.61	--		10
Ethylbenzene	0.430	0.200	--	1.87	0.869	--		10
p/m-Xylene	1.62	0.400	--	7.04	1.74	--		10
Xylene (Total)	2.27	0.200	--	9.86	0.869	--		10
Bromoform	ND	0.200	--	ND	2.07	--		10
Styrene	ND	0.200	--	ND	0.852	--		10
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		10
o-Xylene	0.650	0.200	--	2.82	0.869	--		10
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		10
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		10
1,2,4-Trimethylbenzene	0.380	0.200	--	1.87	0.983	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		10
Naphthalene	ND	0.500	--	ND	2.62	--		10
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-07 D
Client ID: SSV-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:19
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 21:31
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	12.5	--	ND	21.5	--		25
Dichlorodifluoromethane	ND	5.00	--	ND	24.7	--		25
Chloromethane	ND	5.00	--	ND	10.3	--		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.25	--	ND	8.74	--		25
Vinyl chloride	ND	0.500	--	ND	1.28	--		25
1,3-Butadiene	ND	0.500	--	ND	1.11	--		25
Bromomethane	ND	0.500	--	ND	1.94	--		25
Chloroethane	ND	2.50	--	ND	6.60	--		25
Ethyl Alcohol	ND	125	--	ND	236	--		25
Vinyl bromide	ND	5.00	--	ND	21.9	--		25
Acetone	ND	25.0	--	ND	59.4	--		25
Trichlorofluoromethane	ND	1.25	--	ND	7.02	--		25
iso-Propyl Alcohol	ND	12.5	--	ND	30.7	--		25
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		25
1,2-Dichloroethene (total)	2.65	0.500	--	10.5	1.98	--		25
Methylene chloride	ND	12.5	--	ND	43.4	--		25
3-Chloropropene	ND	5.00	--	ND	15.7	--		25
1,3-Dichloropropene, Total	ND	0.500	--	ND	2.27	--		25
Carbon disulfide	ND	5.00	--	ND	15.6	--		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.25	--	ND	9.58	--		25
trans-1,2-Dichloroethene	1.95	0.500	--	7.73	1.98	--		25
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		25
Methyl tert butyl ether	ND	5.00	--	ND	18.0	--		25

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-07 D
Client ID: SSV-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:19
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	25.0	--	ND	88.0	--		25
2-Butanone	ND	12.5	--	ND	36.9	--		25
cis-1,2-Dichloroethene	0.700	0.500	--	2.78	1.98	--		25
Ethyl Acetate	ND	12.5	--	ND	45.0	--		25
Chloroform	ND	0.500	--	ND	2.44	--		25
Tetrahydrofuran	ND	12.5	--	ND	36.9	--		25
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		25
n-Hexane	ND	5.00	--	ND	17.6	--		25
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		25
Benzene	ND	2.50	--	ND	7.99	--		25
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		25
Cyclohexane	ND	5.00	--	ND	17.2	--		25
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		25
Bromodichloromethane	ND	0.500	--	ND	3.35	--		25
1,4-Dioxane	ND	2.50	--	ND	9.01	--		25
Trichloroethene	239	0.500	--	1280	2.69	--		25
2,2,4-Trimethylpentane	ND	5.00	--	ND	23.4	--		25
Heptane	ND	5.00	--	ND	20.5	--		25
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		25
4-Methyl-2-pentanone	ND	12.5	--	ND	51.2	--		25
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		25
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		25
Toluene	ND	2.50	--	ND	9.42	--		25
2-Hexanone	ND	5.00	--	ND	20.5	--		25
Dibromochloromethane	ND	0.500	--	ND	4.26	--		25
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		25

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-07 D
Client ID: SSV-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:19
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	820	0.500	--	5560	3.39	--		25
Chlorobenzene	ND	2.50	--	ND	11.5	--		25
Ethylbenzene	0.575	0.500	--	2.50	2.17	--		25
p/m-Xylene	2.10	1.00	--	9.12	4.34	--		25
Xylene (Total)	3.10	0.500	--	13.5	2.17	--		25
Bromoform	ND	0.500	--	ND	5.17	--		25
Styrene	ND	0.500	--	ND	2.13	--		25
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		25
o-Xylene	1.00	0.500	--	4.34	2.17	--		25
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		25
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		25
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		25
Benzyl chloride	ND	5.00	--	ND	25.9	--		25
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		25
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		25
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		25
1,2,4-Trichlorobenzene	ND	1.25	--	ND	9.28	--		25
Naphthalene	ND	1.25	--	ND	6.55	--		25
Hexachlorobutadiene	ND	1.25	--	ND	13.3	--		25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-08 D
Client ID: SV-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:48
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/02/21 06:39
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	288	5.00	--	496	8.61	--		10
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	2.17	2.00	--	4.48	4.13	--		10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.500	--	ND	3.49	--		10
Vinyl chloride	4.10	0.200	--	10.5	0.511	--		10
1,3-Butadiene	26.5	0.200	--	58.6	0.442	--		10
Bromomethane	ND	0.200	--	ND	0.777	--		10
Chloroethane	ND	1.00	--	ND	2.64	--		10
Ethyl Alcohol	ND	50.0	--	ND	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Acetone	19.9	10.0	--	47.3	23.8	--		10
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		10
iso-Propyl Alcohol	ND	5.00	--	ND	12.3	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		10
1,2-Dichloroethene (total)	32.0	0.200	--	127	0.793	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	5.54	2.00	--	17.3	6.23	--		10
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		10
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.500	--	ND	3.83	--		10
trans-1,2-Dichloroethene	3.84	0.200	--	15.2	0.793	--		10
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-08 D
Client ID: SV-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:48
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	10.0	--	ND	35.2	--		10
2-Butanone	ND	5.00	--	ND	14.7	--		10
cis-1,2-Dichloroethene	28.1	0.200	--	111	0.793	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10
Chloroform	0.360	0.200	--	1.76	0.977	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		10
n-Hexane	6.01	2.00	--	21.2	7.05	--		10
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Benzene	4.04	1.00	--	12.9	3.19	--		10
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		10
Bromodichloromethane	ND	0.200	--	ND	1.34	--		10
1,4-Dioxane	ND	1.00	--	ND	3.60	--		10
Trichloroethene	20.6	0.200	--	111	1.07	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	4.26	2.00	--	17.5	8.20	--		10
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		10
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Toluene	11.0	1.00	--	41.5	3.77	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
Dibromochloromethane	ND	0.200	--	ND	1.70	--		10
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		10

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-08 D
Client ID: SV-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:48
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	93.4	0.200	--	633	1.36	--		10
Chlorobenzene	ND	1.00	--	ND	4.61	--		10
Ethylbenzene	196	0.200	--	851	0.869	--		10
p/m-Xylene	278	0.400	--	1210	1.74	--		10
Xylene (Total)	635	0.200	--	2760	0.869	--		10
Bromoform	ND	0.200	--	ND	2.07	--		10
Styrene	0.590	0.200	--	2.51	0.852	--		10
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		10
o-Xylene	356	0.200	--	1550	0.869	--		10
4-Ethyltoluene	518	0.200	--	2550	0.983	--	E	10
1,3,5-Trimethylbenzene	892	0.200	--	4390	0.983	--	E	10
1,2,4-Trimethylbenzene	1540	0.200	--	7570	0.983	--	E	10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		10
Naphthalene	6.17	0.500	--	32.4	2.62	--		10
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	100		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-08 D2
Client ID: SV-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 11:48
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/03/21 18:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
4-Ethyltoluene	639	1.83	--	3140	9.00	--		91.58
1,3,5-Trimethylbenzene	1080	1.83	--	5310	9.00	--		91.58
1,2,4-Trimethylbenzene	2450	1.83	--	12000	9.00	--		91.58

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-09 D
Client ID: SV-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 12:42
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 23:19
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	1.00	--	ND	1.72	--		2
Dichlorodifluoromethane	0.562	0.400	--	2.78	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.100	--	ND	0.699	--		2
Vinyl chloride	ND	0.040	--	ND	0.102	--		2
1,3-Butadiene	0.046	0.040	--	0.102	0.089	--		2
Bromomethane	ND	0.040	--	ND	0.155	--		2
Chloroethane	ND	0.200	--	ND	0.528	--		2
Ethyl Alcohol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	10.4	2.00	--	24.7	4.75	--		2
Trichlorofluoromethane	0.280	0.100	--	1.57	0.562	--		2
iso-Propyl Alcohol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.040	--	ND	0.159	--		2
1,2-Dichloroethene (total)	0.286	0.040	--	1.13	0.159	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
1,3-Dichloropropene, Total	ND	0.040	--	ND	0.182	--		2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.100	--	ND	0.766	--		2
trans-1,2-Dichloroethene	0.246	0.040	--	0.975	0.159	--		2
1,1-Dichloroethane	ND	0.040	--	ND	0.162	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-09 D
Client ID: SV-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 12:42
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	2.00	--	ND	7.04	--		2
2-Butanone	1.59	1.00	--	4.69	2.95	--		2
cis-1,2-Dichloroethene	0.040	0.040	--	0.159	0.159	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	0.576	0.040	--	2.81	0.195	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.040	--	ND	0.162	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.040	--	ND	0.218	--		2
Benzene	ND	0.200	--	ND	0.639	--		2
Carbon tetrachloride	0.040	0.040	--	0.252	0.252	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.040	--	ND	0.185	--		2
Bromodichloromethane	ND	0.040	--	ND	0.268	--		2
1,4-Dioxane	ND	0.200	--	ND	0.721	--		2
Trichloroethene	6.31	0.040	--	33.9	0.215	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.040	--	ND	0.182	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.040	--	ND	0.182	--		2
1,1,2-Trichloroethane	ND	0.040	--	ND	0.218	--		2
Toluene	0.706	0.200	--	2.66	0.754	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.040	--	ND	0.341	--		2
1,2-Dibromoethane	ND	0.040	--	ND	0.307	--		2

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-09 D
Client ID: SV-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 12:42
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	102	0.040	--	692	0.271	--	E	2
Chlorobenzene	ND	0.200	--	ND	0.921	--		2
Ethylbenzene	0.368	0.040	--	1.60	0.174	--		2
p/m-Xylene	0.966	0.080	--	4.20	0.347	--		2
Xylene (Total)	1.51	0.040	--	6.56	0.174	--		2
Bromoform	ND	0.040	--	ND	0.414	--		2
Styrene	ND	0.040	--	ND	0.170	--		2
1,1,2,2-Tetrachloroethane	ND	0.040	--	ND	0.275	--		2
o-Xylene	0.546	0.040	--	2.37	0.174	--		2
4-Ethyltoluene	0.744	0.040	--	3.66	0.197	--		2
1,3,5-Trimethylbenzene	0.822	0.040	--	4.04	0.197	--		2
1,2,4-Trimethylbenzene	3.02	0.040	--	14.8	0.197	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	0.070	0.040	--	0.421	0.240	--		2
1,4-Dichlorobenzene	ND	0.040	--	ND	0.240	--		2
1,2-Dichlorobenzene	ND	0.040	--	ND	0.240	--		2
1,2,4-Trichlorobenzene	ND	0.100	--	ND	0.742	--		2
Naphthalene	ND	0.100	--	ND	0.524	--		2
Hexachlorobutadiene	ND	0.100	--	ND	1.07	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	65		60-140
chlorobenzene-d5	75		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-09 D2
Client ID: SV-02
Sample Location: BANGOR, ME

Date Collected: 09/28/21 12:42
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/02/21 07:50
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Tetrachloroethene	103	0.100	--	698	0.678	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	67		60-140
chlorobenzene-d5	75		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-10 D
Client ID: HA-09
Sample Location: BANGOR, ME

Date Collected: 09/28/21 14:30
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 23:59
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	3.86	1.08	--	6.64	1.86	--		2.17
Dichlorodifluoromethane	0.536	0.434	--	2.65	2.15	--		2.17
Chloromethane	ND	0.434	--	ND	0.896	--		2.17
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.108	--	ND	0.755	--		2.17
Vinyl chloride	ND	0.043	--	ND	0.111	--		2.17
1,3-Butadiene	0.269	0.043	--	0.595	0.096	--		2.17
Bromomethane	ND	0.043	--	ND	0.169	--		2.17
Chloroethane	ND	0.217	--	ND	0.573	--		2.17
Ethyl Alcohol	ND	10.8	--	ND	20.3	--		2.17
Vinyl bromide	ND	0.434	--	ND	1.90	--		2.17
Acetone	12.7	2.17	--	30.2	5.15	--		2.17
Trichlorofluoromethane	0.269	0.108	--	1.51	0.607	--		2.17
iso-Propyl Alcohol	ND	1.08	--	ND	2.65	--		2.17
1,1-Dichloroethene	ND	0.043	--	ND	0.172	--		2.17
1,2-Dichloroethene (total)	1.25	0.043	--	4.96	0.172	--		2.17
Methylene chloride	ND	1.08	--	ND	3.75	--		2.17
3-Chloropropene	ND	0.434	--	ND	1.36	--		2.17
1,3-Dichloropropene, Total	ND	0.043	--	ND	0.197	--		2.17
Carbon disulfide	1.65	0.434	--	5.14	1.35	--		2.17
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.108	--	ND	0.828	--		2.17
trans-1,2-Dichloroethene	0.056	0.043	--	0.224	0.172	--		2.17
1,1-Dichloroethane	ND	0.043	--	ND	0.176	--		2.17
Methyl tert butyl ether	ND	0.434	--	ND	1.56	--		2.17

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-10 D
Client ID: HA-09
Sample Location: BANGOR, ME

Date Collected: 09/28/21 14:30
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	2.17	--	ND	7.64	--		2.17
2-Butanone	2.81	1.08	--	8.29	3.19	--		2.17
cis-1,2-Dichloroethene	1.19	0.043	--	4.72	0.172	--		2.17
Ethyl Acetate	ND	1.08	--	ND	3.89	--		2.17
Chloroform	0.842	0.043	--	4.11	0.212	--		2.17
Tetrahydrofuran	1.34	1.08	--	3.95	3.19	--		2.17
1,2-Dichloroethane	ND	0.043	--	ND	0.176	--		2.17
n-Hexane	1.65	0.434	--	5.82	1.53	--		2.17
1,1,1-Trichloroethane	0.128	0.043	--	0.698	0.237	--		2.17
Benzene	1.12	0.217	--	3.58	0.693	--		2.17
Carbon tetrachloride	ND	0.043	--	ND	0.273	--		2.17
Cyclohexane	ND	0.434	--	ND	1.49	--		2.17
1,2-Dichloropropane	ND	0.043	--	ND	0.201	--		2.17
Bromodichloromethane	ND	0.043	--	ND	0.291	--		2.17
1,4-Dioxane	ND	0.217	--	ND	0.782	--		2.17
Trichloroethene	3.54	0.043	--	19.0	0.233	--		2.17
2,2,4-Trimethylpentane	ND	0.434	--	ND	2.03	--		2.17
Heptane	0.881	0.434	--	3.61	1.78	--		2.17
cis-1,3-Dichloropropene	ND	0.043	--	ND	0.197	--		2.17
4-Methyl-2-pentanone	ND	1.08	--	ND	4.43	--		2.17
trans-1,3-Dichloropropene	ND	0.043	--	ND	0.197	--		2.17
1,1,2-Trichloroethane	ND	0.043	--	ND	0.237	--		2.17
Toluene	5.89	0.217	--	22.2	0.818	--		2.17
2-Hexanone	ND	0.434	--	ND	1.78	--		2.17
Dibromochloromethane	ND	0.043	--	ND	0.370	--		2.17
1,2-Dibromoethane	ND	0.043	--	ND	0.334	--		2.17

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-10 D
Client ID: HA-09
Sample Location: BANGOR, ME

Date Collected: 09/28/21 14:30
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	39.5	0.043	--	268	0.294	--		2.17
Chlorobenzene	ND	0.217	--	ND	0.999	--		2.17
Ethylbenzene	3.40	0.043	--	14.8	0.189	--		2.17
p/m-Xylene	10.4	0.087	--	45.2	0.377	--		2.17
Xylene (Total)	15.9	0.043	--	69.1	0.189	--		2.17
Bromoform	ND	0.043	--	ND	0.449	--		2.17
Styrene	35.8	0.043	--	152	0.185	--		2.17
1,1,2,2-Tetrachloroethane	ND	0.043	--	ND	0.298	--		2.17
o-Xylene	5.54	0.043	--	24.1	0.189	--		2.17
4-Ethyltoluene	5.22	0.043	--	25.7	0.213	--		2.17
1,3,5-Trimethylbenzene	10.2	0.043	--	50.1	0.213	--		2.17
1,2,4-Trimethylbenzene	14.9	0.043	--	73.3	0.213	--		2.17
Benzyl chloride	ND	0.434	--	ND	2.25	--		2.17
1,3-Dichlorobenzene	0.163	0.043	--	0.980	0.261	--		2.17
1,4-Dichlorobenzene	0.202	0.043	--	1.21	0.261	--		2.17
1,2-Dichlorobenzene	0.074	0.043	--	0.444	0.261	--		2.17
1,2,4-Trichlorobenzene	ND	0.108	--	ND	0.802	--		2.17
Naphthalene	0.141	0.108	--	0.739	0.566	--		2.17
Hexachlorobutadiene	ND	0.108	--	ND	1.15	--		2.17

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	65		60-140
chlorobenzene-d5	77		60-140

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-11
Client ID: HA-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 13:09
Date Received: 09/28/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/02/21 00:38
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	0.675	0.500	--	1.16	0.861	--		1
Dichlorodifluoromethane	0.588	0.200	--	2.91	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.054	0.020	--	0.119	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.86	1.00	--	11.5	2.38	--		1
Trichlorofluoromethane	0.287	0.050	--	1.61	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.083	0.050	--	0.636	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-11
Client ID: HA-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 13:09
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	0.726	0.500	--	2.14	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	11.6	0.020	--	56.6	0.098	--		1
Tetrahydrofuran	1.96	0.500	--	5.78	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	0.025	0.020	--	0.157	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	0.038	0.020	--	0.255	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		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	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.157	0.100	--	0.592	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

SAMPLE RESULTS

Lab ID: L2152622-11
Client ID: HA-01
Sample Location: BANGOR, ME

Date Collected: 09/28/21 13:09
Date Received: 09/28/21
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 by SIM - Mansfield Lab								
Tetrachloroethene	3.94	0.020	--	26.7	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.070	0.020	--	0.304	0.087	--		1
p/m-Xylene	0.251	0.040	--	1.09	0.174	--		1
Xylene (Total)	0.380	0.020	--	1.65	0.087	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.038	0.020	--	0.162	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.129	0.020	--	0.560	0.087	--		1
4-Ethyltoluene	0.077	0.020	--	0.379	0.098	--		1
1,3,5-Trimethylbenzene	0.085	0.020	--	0.418	0.098	--		1
1,2,4-Trimethylbenzene	0.347	0.020	--	1.71	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.049	0.020	--	0.295	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	64		60-140
chlorobenzene-d5	76		60-140

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 16:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-11 Batch: WG1553518-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
tert-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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 16:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-11 Batch: WG1553518-4								
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		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	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 16:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-11 Batch: WG1553518-4								
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Xylene (Total)	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/01/21 16:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-11 Batch: WG1553518-4								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.020	--	ND	0.193	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/03/21 14:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 08 Batch: WG1553879-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/03/21 14:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 08 Batch: WG1553879-4								
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		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	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/03/21 14:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 08 Batch: WG1553879-4								
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Xylene (Total)	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365
Lab Number: L2152622
Report Date: 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 10/03/21 14:38

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 08 Batch: WG1553879-4								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.020	--	ND	0.193	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152622

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 Batch: WG1553518-3								
Propylene	82		-		70-130	-		25
Dichlorodifluoromethane	103		-		70-130	-		25
Chloromethane	102		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	101		-		70-130	-		25
Vinyl chloride	79		-		70-130	-		25
1,3-Butadiene	93		-		70-130	-		25
Bromomethane	83		-		70-130	-		25
Chloroethane	80		-		70-130	-		25
Ethyl Alcohol	82		-		40-160	-		25
Vinyl bromide	93		-		70-130	-		25
Acrolein	75		-		60-113	-		25
Acetone	88		-		40-160	-		25
Trichlorofluoromethane	102		-		70-130	-		25
iso-Propyl Alcohol	83		-		40-160	-		25
Acrylonitrile	92		-		70-130	-		25
1,1-Dichloroethene	82		-		70-130	-		25
tert-Butyl Alcohol[1]	70		-		70-130	-		25
Methylene chloride	105		-		70-130	-		25
3-Chloropropene	81		-		70-130	-		25
Carbon disulfide	84		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	89		-		70-130	-		25
trans-1,2-Dichloroethene	80		-		70-130	-		25
1,1-Dichloroethane	85		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 Batch: WG1553518-3								
Methyl tert butyl ether	90		-		70-130	-		25
Vinyl acetate	83		-		70-130	-		25
2-Butanone	94		-		70-130	-		25
cis-1,2-Dichloroethene	85		-		70-130	-		25
Ethyl Acetate	83		-		70-130	-		25
Chloroform	94		-		70-130	-		25
Tetrahydrofuran	89		-		70-130	-		25
1,2-Dichloroethane	88		-		70-130	-		25
n-Hexane	82		-		70-130	-		25
1,1,1-Trichloroethane	102		-		70-130	-		25
Benzene	91		-		70-130	-		25
Carbon tetrachloride	114		-		70-130	-		25
Cyclohexane	82		-		70-130	-		25
Dibromomethane[1]	84		-		70-130	-		25
1,2-Dichloropropane	84		-		70-130	-		25
Bromodichloromethane	99		-		70-130	-		25
1,4-Dioxane	84		-		70-130	-		25
Trichloroethene	91		-		70-130	-		25
2,2,4-Trimethylpentane	82		-		70-130	-		25
cis-1,3-Dichloropropene	91		-		70-130	-		25
4-Methyl-2-pentanone	100		-		70-130	-		25
trans-1,3-Dichloropropene	104		-		70-130	-		25
1,1,2-Trichloroethane	97		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152622

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 Batch: WG1553518-3								
Toluene	92		-		70-130	-		25
2-Hexanone	104		-		70-130	-		25
Dibromochloromethane	112		-		70-130	-		25
1,2-Dibromoethane	117		-		70-130	-		25
Tetrachloroethene	99		-		70-130	-		25
1,1,1,2-Tetrachloroethane	100		-		70-130	-		25
Chlorobenzene	108		-		70-130	-		25
Ethylbenzene	101		-		70-130	-		25
p/m-Xylene	103		-		70-130	-		25
Bromoform	117		-		70-130	-		25
Styrene	112		-		70-130	-		25
1,1,2,2-Tetrachloroethane	99		-		70-130	-		25
o-Xylene	104		-		70-130	-		25
1,2,3-Trichloropropane[1]	107		-		70-130	-		25
Isopropylbenzene	114		-		70-130	-		25
Bromobenzene[1]	103		-		70-130	-		25
4-Ethyltoluene	114		-		70-130	-		25
1,3,5-Trimethylbenzene	119		-		70-130	-		25
1,2,4-Trimethylbenzene	120		-		70-130	-		25
Benzyl chloride	89		-		70-130	-		25
1,3-Dichlorobenzene	120		-		70-130	-		25
1,4-Dichlorobenzene	120		-		70-130	-		25
sec-Butylbenzene	112		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 Batch: WG1553518-3								
p-Isopropyltoluene	92		-		70-130	-		25
1,2-Dichlorobenzene	121		-		70-130	-		25
n-Butylbenzene	100		-		70-130	-		25
1,2,4-Trichlorobenzene	96		-		70-130	-		25
Naphthalene	92		-		70-130	-		25
1,2,3-Trichlorobenzene	100		-		70-130	-		25
Hexachlorobutadiene	107		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152622

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 Batch: WG1553879-3								
Propylene	119		-		70-130	-		25
Dichlorodifluoromethane	98		-		70-130	-		25
Chloromethane	95		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	94		-		70-130	-		25
Vinyl chloride	99		-		70-130	-		25
1,3-Butadiene	89		-		70-130	-		25
Bromomethane	98		-		70-130	-		25
Chloroethane	**133**	Q	-		70-130	-		25
Ethyl Alcohol	75		-		40-160	-		25
Vinyl bromide	112		-		70-130	-		25
Acrolein	103		-		60-113	-		25
Acetone	111		-		40-160	-		25
Trichlorofluoromethane	111		-		70-130	-		25
iso-Propyl Alcohol	88		-		40-160	-		25
Acrylonitrile	94		-		70-130	-		25
1,1-Dichloroethene	110		-		70-130	-		25
tert-Butyl Alcohol[1]	91		-		70-130	-		25
Methylene chloride	95		-		70-130	-		25
3-Chloropropene	122		-		70-130	-		25
Carbon disulfide	92		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		-		70-130	-		25
trans-1,2-Dichloroethene	110		-		70-130	-		25
1,1-Dichloroethane	113		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152622

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 Batch: WG1553879-3								
Methyl tert butyl ether	72		-		70-130	-		25
Vinyl acetate	116		-		70-130	-		25
2-Butanone	76		-		70-130	-		25
cis-1,2-Dichloroethene	114		-		70-130	-		25
Ethyl Acetate	75		-		70-130	-		25
Chloroform	104		-		70-130	-		25
Tetrahydrofuran	92		-		70-130	-		25
1,2-Dichloroethane	108		-		70-130	-		25
n-Hexane	92		-		70-130	-		25
1,1,1-Trichloroethane	100		-		70-130	-		25
Benzene	79		-		70-130	-		25
Carbon tetrachloride	99		-		70-130	-		25
Cyclohexane	91		-		70-130	-		25
Dibromomethane[1]	92		-		70-130	-		25
1,2-Dichloropropane	99		-		70-130	-		25
Bromodichloromethane	94		-		70-130	-		25
1,4-Dioxane	96		-		70-130	-		25
Trichloroethene	102		-		70-130	-		25
2,2,4-Trimethylpentane	95		-		70-130	-		25
cis-1,3-Dichloropropene	92		-		70-130	-		25
4-Methyl-2-pentanone	95		-		70-130	-		25
trans-1,3-Dichloropropene	80		-		70-130	-		25
1,1,2-Trichloroethane	110		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152622

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 Batch: WG1553879-3								
Toluene	98		-		70-130	-		25
2-Hexanone	93		-		70-130	-		25
Dibromochloromethane	106		-		70-130	-		25
1,2-Dibromoethane	98		-		70-130	-		25
Tetrachloroethene	99		-		70-130	-		25
1,1,1,2-Tetrachloroethane	111		-		70-130	-		25
Chlorobenzene	100		-		70-130	-		25
Ethylbenzene	122		-		70-130	-		25
p/m-Xylene	123		-		70-130	-		25
Bromoform	117		-		70-130	-		25
Styrene	111		-		70-130	-		25
1,1,2,2-Tetrachloroethane	101		-		70-130	-		25
o-Xylene	123		-		70-130	-		25
1,2,3-Trichloropropane[1]	98		-		70-130	-		25
Isopropylbenzene	103		-		70-130	-		25
Bromobenzene[1]	101		-		70-130	-		25
4-Ethyltoluene	108		-		70-130	-		25
1,3,5-Trimethylbenzene	93		-		70-130	-		25
1,2,4-Trimethylbenzene	86		-		70-130	-		25
Benzyl chloride	**63**	Q	-		70-130	-		25
1,3-Dichlorobenzene	**135**	Q	-		70-130	-		25
1,4-Dichlorobenzene	**144**	Q	-		70-130	-		25
sec-Butylbenzene	71		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152622

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 Batch: WG1553879-3								
p-Isopropyltoluene	80		-		70-130	-		25
1,2-Dichlorobenzene	109		-		70-130	-		25
n-Butylbenzene	99		-		70-130	-		25
1,2,4-Trichlorobenzene	114		-		70-130	-		25
Naphthalene	101		-		70-130	-		25
1,2,3-Trichlorobenzene	102		-		70-130	-		25
Hexachlorobutadiene	104		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1553518-5 QC Sample: L2152622-08 Client ID: SV-01						
Propylene	288	383	ppbV	**28**	Q	25
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	2.17	2.17	ppbV	0		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	4.10	4.47	ppbV	9		25
1,3-Butadiene	26.5	25.9	ppbV	2		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	19.9	22.9	ppbV	14		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
1,2-Dichloroethene (total)	32.0	36.0	ppbV	12		25
3-Chloropropene	ND	ND	ppbV	NC		25
1,3-Dichloropropene, Total	ND	ND	ppbV	NC		25
Carbon disulfide	5.54	6.02	ppbV	8		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	3.84	4.30	ppbV	11		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1553518-5 QC Sample: L2152622-08 Client ID: SV-01						
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
Vinyl acetate	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	28.1	31.7	ppbV	12		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	0.360	0.400	ppbV	11		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	6.01	5.35	ppbV	12		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	4.04	3.52	ppbV	14		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	20.6	20.1	ppbV	2		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	4.26	3.59	ppbV	17		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1553518-5 QC Sample: L2152622-08 Client ID: SV-01						
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	11.0	11.8	ppbV	7		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	93.4	103	ppbV	10		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	196	212	ppbV	8		25
p/m-Xylene	278	304	ppbV	9		25
Xylene (Total)	635	697	ppbV	9		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	0.590	0.660	ppbV	11		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	356	393	ppbV	10		25
4-Ethyltoluene	518E	606E	ppbV	16		25
1,3,5-Trimethylbenzene	892E	1030E	ppbV	14		25
1,2,4-Trimethylbenzene	1540E	1820E	ppbV	17		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1553518-5 QC Sample: L2152622-08 Client ID: SV-01						
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Naphthalene	6.17	7.10	ppbV	14		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1553879-5 QC Sample: L2152622-08 Client ID: SV-01						
4-Ethyltoluene	639	610	ppbV	5		25
1,3,5-Trimethylbenzene	1080	1100	ppbV	2		25
1,2,4-Trimethylbenzene	2450	2570	ppbV	5		25

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-01	D	Date Collected:	09/28/21 11:08
Client ID:	HA-05		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 10/01/21 17:21
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	0.70	--	1.4
Methyl tert butyl ether	ND		ug/m3	0.98	--	1.4
Benzene	ND		ug/m3	0.84	--	1.4
C5-C8 Aliphatics, Adjusted	22		ug/m3	14	--	1.4
Toluene	3.5		ug/m3	1.3	--	1.4
Ethylbenzene	ND		ug/m3	1.3	--	1.4
p/m-Xylene	ND		ug/m3	1.3	--	1.4
o-Xylene	ND		ug/m3	1.3	--	1.4
Naphthalene	ND		ug/m3	1.5	--	1.4
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1.4
C9-C10 Aromatics Total	ND		ug/m3	14	--	1.4

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		50-200
Bromochloromethane	99		50-200
Chlorobenzene-d5	95		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-02	Date Collected:	09/28/21 09:50
Client ID:	HA-04	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	10/01/21 18:23		
Analyst:	RY		

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	0.75		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	28		ug/m3	10	--	1
Toluene	4.8		ug/m3	0.90	--	1
Ethylbenzene	1.8		ug/m3	0.90	--	1
p/m-Xylene	7.9		ug/m3	0.90	--	1
o-Xylene	2.8		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		50-200
Bromochloromethane	101		50-200
Chlorobenzene-d5	99		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-03	D	Date Collected:	09/28/21 11:40
Client ID:	HA-07		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 10/01/21 19:02
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	0.65	--	1.3
Methyl tert butyl ether	ND		ug/m3	0.91	--	1.3
Benzene	ND		ug/m3	0.78	--	1.3
C5-C8 Aliphatics, Adjusted	22		ug/m3	13	--	1.3
Toluene	ND		ug/m3	1.2	--	1.3
Ethylbenzene	ND		ug/m3	1.2	--	1.3
p/m-Xylene	ND		ug/m3	1.2	--	1.3
o-Xylene	ND		ug/m3	1.2	--	1.3
Naphthalene	ND		ug/m3	1.4	--	1.3
C9-C12 Aliphatics, Adjusted	ND		ug/m3	13	--	1.3
C9-C10 Aromatics Total	ND		ug/m3	13	--	1.3

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		50-200
Bromochloromethane	100		50-200
Chlorobenzene-d5	97		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-04	Date Collected:	09/28/21 10:34
Client ID:	SV-06	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	10/01/21 19:41		
Analyst:	RY		

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	0.66		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	66		ug/m3	10	--	1
Toluene	5.9		ug/m3	0.90	--	1
Ethylbenzene	1.5		ug/m3	0.90	--	1
p/m-Xylene	5.9		ug/m3	0.90	--	1
o-Xylene	2.4		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	31		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		50-200
Bromochloromethane	101		50-200
Chlorobenzene-d5	99		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-05	Date Collected:	09/28/21 10:39
Client ID:	SV-03	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	10/01/21 20:20		
Analyst:	RY		

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	38		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	10		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	660		ug/m3	10	--	1
Toluene	12		ug/m3	0.90	--	1
Ethylbenzene	4.1		ug/m3	0.90	--	1
p/m-Xylene	11		ug/m3	0.90	--	1
o-Xylene	4.7		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	130		ug/m3	10	--	1
C9-C10 Aromatics Total	14		ug/m3	10	--	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		50-200
Bromochloromethane	105		50-200
Chlorobenzene-d5	102		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-06	D	Date Collected:	09/28/21 11:19
Client ID:	SSV-01		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 10/01/21 20:55
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	5.0	--	10
Methyl tert butyl ether	ND		ug/m3	7.0	--	10
Benzene	ND		ug/m3	6.0	--	10
C5-C8 Aliphatics, Adjusted	ND		ug/m3	100	--	10
Toluene	9.1		ug/m3	9.0	--	10
Ethylbenzene	ND		ug/m3	9.0	--	10
p/m-Xylene	ND		ug/m3	9.0	--	10
o-Xylene	ND		ug/m3	9.0	--	10
Naphthalene	ND		ug/m3	11	--	10
C9-C12 Aliphatics, Adjusted	ND		ug/m3	100	--	10
C9-C10 Aromatics Total	ND		ug/m3	100	--	10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		50-200
Bromochloromethane	102		50-200
Chlorobenzene-d5	100		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-07	D	Date Collected:	09/28/21 11:19
Client ID:	SSV-02		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 10/01/21 21:31
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	12	--	25
Methyl tert butyl ether	ND		ug/m3	18	--	25
Benzene	ND		ug/m3	15	--	25
C5-C8 Aliphatics, Adjusted	ND		ug/m3	250	--	25
Toluene	ND		ug/m3	22	--	25
Ethylbenzene	ND		ug/m3	22	--	25
p/m-Xylene	ND		ug/m3	22	--	25
o-Xylene	ND		ug/m3	22	--	25
Naphthalene	ND		ug/m3	28	--	25
C9-C12 Aliphatics, Adjusted	ND		ug/m3	250	--	25
C9-C10 Aromatics Total	ND		ug/m3	250	--	25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		50-200
Bromochloromethane	102		50-200
Chlorobenzene-d5	99		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-08	D	Date Collected:	09/28/21 11:48
Client ID:	SV-01		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 10/02/21 06:39
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	68		ug/m3	5.0	--	10
Methyl tert butyl ether	ND		ug/m3	7.0	--	10
Benzene	15		ug/m3	6.0	--	10
C5-C8 Aliphatics, Adjusted	31000		ug/m3	100	--	10
Toluene	43		ug/m3	9.0	--	10
Ethylbenzene	800		ug/m3	9.0	--	10
p/m-Xylene	1100		ug/m3	9.0	--	10
o-Xylene	1400		ug/m3	9.0	--	10
Naphthalene	32		ug/m3	11	--	10
C9-C12 Aliphatics, Adjusted	170000		ug/m3	100	--	10
C9-C10 Aromatics Total	44000		ug/m3	100	--	10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		50-200
Bromochloromethane	100		50-200
Chlorobenzene-d5	98		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-09	D	Date Collected:	09/28/21 12:42
Client ID:	SV-02		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 10/01/21 23:19
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	1.0	--	2
Methyl tert butyl ether	ND		ug/m3	1.4	--	2
Benzene	ND		ug/m3	1.2	--	2
C5-C8 Aliphatics, Adjusted	36		ug/m3	20	--	2
Toluene	2.6		ug/m3	1.8	--	2
Ethylbenzene	ND		ug/m3	1.8	--	2
p/m-Xylene	3.9		ug/m3	1.8	--	2
o-Xylene	2.2		ug/m3	1.8	--	2
Naphthalene	ND		ug/m3	2.2	--	2
C9-C12 Aliphatics, Adjusted	56		ug/m3	20	--	2
C9-C10 Aromatics Total	68		ug/m3	20	--	2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		50-200
Bromochloromethane	92		50-200
Chlorobenzene-d5	73		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-10	D	Date Collected:	09/28/21 14:30
Client ID:	HA-09		Date Received:	09/28/21
Sample Location:	BANGOR, ME		Field Prep:	Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 10/01/21 23:59
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	1.1	--	2.2
Methyl tert butyl ether	ND		ug/m3	1.5	--	2.2
Benzene	4.3		ug/m3	1.3	--	2.2
C5-C8 Aliphatics, Adjusted	800		ug/m3	22	--	2.2
Toluene	24		ug/m3	2.0	--	2.2
Ethylbenzene	15		ug/m3	2.0	--	2.2
p/m-Xylene	43		ug/m3	2.0	--	2.2
o-Xylene	23		ug/m3	2.0	--	2.2
Naphthalene	ND		ug/m3	2.4	--	2.2
C9-C12 Aliphatics, Adjusted	1200		ug/m3	22	--	2.2
C9-C10 Aromatics Total	550		ug/m3	22	--	2.2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		50-200
Bromochloromethane	92		50-200
Chlorobenzene-d5	74		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

SAMPLE RESULTS

Lab ID:	L2152622-11	Date Collected:	09/28/21 13:09
Client ID:	HA-01	Date Received:	09/28/21
Sample Location:	BANGOR, ME	Field Prep:	Not Specified
Sample Depth:			
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	10/02/21 00:38		
Analyst:	RY		

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	ND		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	26		ug/m3	10	--	1
Toluene	ND		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	1.0		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	17		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		50-200
Bromochloromethane	91		50-200
Chlorobenzene-d5	74		50-200

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 96,APH
Analytical Date: 10/01/21 15:22
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): 01-11 Batch: WG1553517-4					
1,3-Butadiene	ND		ug/m3	0.50	--
Methyl tert butyl ether	ND		ug/m3	0.70	--
Benzene	ND		ug/m3	0.60	--
C5-C8 Aliphatics, Adjusted	ND		ug/m3	10	--
Toluene	ND		ug/m3	0.90	--
Ethylbenzene	ND		ug/m3	0.90	--
p/m-Xylene	ND		ug/m3	0.90	--
o-Xylene	ND		ug/m3	0.90	--
Naphthalene	ND		ug/m3	1.1	--
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--
C9-C10 Aromatics Total	ND		ug/m3	10	--

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY DRY CLEANERS

Project Number: BE-365

Lab Number: L2152622

Report Date: 10/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-11 Batch: WG1553517-3								
1,3-Butadiene	115		-		70-130	-		
Methyl tert butyl ether	104		-		70-130	-		
Benzene	108		-		70-130	-		
C5-C8 Aliphatics, Adjusted	98		-		70-130	-		
Toluene	94		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
o-Xylene	94		-		70-130	-		
Naphthalene	79		-		50-150	-		
C9-C12 Aliphatics, Adjusted	82		-		70-130	-		
C9-C10 Aromatics Total	88		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1553517-5 QC Sample: L2152622-08 Client ID: SV-01						
1,3-Butadiene	68	54	ug/m3	23		30
Methyl tert butyl ether	ND	ND	ug/m3	NC		30
Benzene	15	13	ug/m3	14		30
C5-C8 Aliphatics, Adjusted	31000	30000	ug/m3	3		30
Toluene	43	47	ug/m3	9		30
Ethylbenzene	800	870	ug/m3	8		30
p/m-Xylene	1100	1200	ug/m3	9		30
o-Xylene	1400	1600	ug/m3	13		30
Naphthalene	32	38	ug/m3	17		30
C9-C12 Aliphatics, Adjusted	170000	200000	ug/m3	16		30
C9-C10 Aromatics Total	44000	52000	ug/m3	17		30

Project Name: BROADWAY DRY CLEANERS **Lab Number:** L2152622

Project Number: BE-365 **Report Date:** 10/05/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2152622-01	HA-05	01032	Flow 1	09/24/21	365160		-	-	-	Pass	72	69	4
L2152622-01	HA-05	3000	2.7L Can	09/24/21	365160	L2150248-04	Pass	-29.6	-15.4	-	-	-	-
L2152622-02	HA-04	01443	Flow 2	09/24/21	365160		-	-	-	Pass	72	70	3
L2152622-02	HA-04	3437	2.7L Can	09/24/21	365160	L2150248-03	Pass	-28.0	-4.6	-	-	-	-
L2152622-03	HA-07	01746	Flow 2	09/24/21	365160		-	-	-	Pass	72	49	38
L2152622-03	HA-07	3031	2.7L Can	09/24/21	365160	L2150248-03	Pass	-29.6	-13.6	-	-	-	-
L2152622-04	SV-06	02102	Flow 2	09/24/21	365160		-	-	-	Pass	72	78	8
L2152622-04	SV-06	148	2.7L Can	09/24/21	365160	L2150248-04	Pass	-29.6	-8.3	-	-	-	-
L2152622-05	SV-03	0944	Flow 2	09/24/21	365160		-	-	-	Pass	72	72	0
L2152622-05	SV-03	529	2.7L Can	09/24/21	365160	L2150248-03	Pass	-29.5	-6.2	-	-	-	-
L2152622-06	SSV-01	01547	Flow 1	09/24/21	365160		-	-	-	Pass	72	71	1
L2152622-06	SSV-01	383	2.7L Can	09/24/21	365160	L2150248-04	Pass	-29.5	-6.6	-	-	-	-
L2152622-07	SSV-02	01171	Flow 2	09/24/21	365160		-	-	-	Pass	72	70	3
L2152622-07	SSV-02	2864	2.7L Can	09/24/21	365160	L2150248-03	Pass	-29.6	-6.3	-	-	-	-
L2152622-08	SV-01	0735	Flow 2	09/24/21	365160		-	-	-	Pass	72	71	1

Project Name: BROADWAY DRY CLEANERS

Lab Number: L2152622

Project Number: BE-365

Report Date: 10/05/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2152622-08	SV-01	2356	2.7L Can	09/24/21	365160	L2150248-04	Pass	-29.6	-2.6	-	-	-	-
L2152622-09	SV-02	01506	Flow 2	09/24/21	365160		-	-	-	Pass	72	70	3
L2152622-09	SV-02	3452	2.7L Can	09/24/21	365160	L2150248-03	Pass	-29.6	-8.1	-	-	-	-
L2152622-10	HA-09	01509	Flow 2	09/24/21	365160		-	-	-	Pass	72	10.8	148
L2152622-10	HA-09	2199	2.7L Can	09/24/21	365160	L2150248-04	Pass	-28.0	-20.3	-	-	-	-
L2152622-11	HA-01	01714	Flow 2	09/24/21	365160		-	-	-	Pass	72	70	3
L2152622-11	HA-01	2432	2.7L Can	09/24/21	365160	L2150248-04	Pass	-29.6	-9.2	-	-	-	-
L2152622-12	UNUSED CAN #2639	01022	Flow 5	09/24/21	365160		-	-	-	Pass	3.0	3.0	0
L2152622-12	UNUSED CAN #2639	2639	6.0L Can	09/24/21	365160	L2149065-05	Pass	-29.6	-28.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2149065
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/13/21 19:45
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
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
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		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
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2149065
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
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								
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		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
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		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
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2149065
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
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								
Dibromomethane	ND	0.200	--	ND	1.42	--		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
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		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
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		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
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		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
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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2149065
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2149065

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2149065
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/13/21 19:45
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		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	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2149065
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
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 by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2149065

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

Air Canister Certification Results

Lab ID: L2149065-05
Client ID: CAN 967 SHELF 46
Sample Location:

Date Collected: 09/13/21 12:00
Date Received: 09/13/21
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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	78		60-140
bromochloromethane	80		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/19/21 20:46
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
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
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		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
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2150248

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		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
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		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
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								
Dibromomethane	ND	0.200	--	ND	1.42	--		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
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		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
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		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
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		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
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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/19/21 20:46
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		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	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2150248

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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 by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2150248

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

Air Canister Certification Results

Lab ID: L2150248-03
Client ID: CAN 3433 SHELF 47
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/19/21 21:25
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
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
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		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
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2150248

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		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
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		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
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								
Dibromomethane	ND	0.200	--	ND	1.42	--		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
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		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
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		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
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		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
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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/19/21 21:25
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		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	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2150248
Report Date: 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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 by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2150248

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

Air Canister Certification Results

Lab ID: L2150248-04
Client ID: CAN 2039 SHELF 52
Sample Location:

Date Collected: 09/16/21 16:00
Date Received: 09/17/21
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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2149065

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

AIR CAN CERTIFICATION RESULTS

Lab ID:	L2149065-05	Date Collected:	09/13/21 12:00
Client ID:	CAN 967 SHELF 46	Date Received:	09/13/21
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/13/21 19:45		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	ND		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	10	--	1
Toluene	ND		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	ND		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2150248

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

AIR CAN CERTIFICATION RESULTS

Lab ID:	L2150248-03	Date Collected:	09/16/21 16:00
Client ID:	CAN 3433 SHELF 47	Date Received:	09/17/21
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/19/21 20:46		
Analyst:	TS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	ND		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	10	--	1
Toluene	ND		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	ND		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2150248

Project Number: CANISTER QC BAT **Report Date:** 10/05/21

AIR CAN CERTIFICATION RESULTS

Lab ID:	L2150248-04	Date Collected:	09/16/21 16:00
Client ID:	CAN 2039 SHELF 52	Date Received:	09/17/21
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	09/19/21 21:25		
Analyst:	TS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	ND		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	10	--	1
Toluene	ND		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	ND		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BROADWAY DRY CLEANERS
Project Number: BE-365

Lab Number: L2152622
Report Date: 10/05/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2152622-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-11A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2152622-12A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152622
Project Number:	BE-365	**Report Date:**	10/05/21

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:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152622
Project Number:	BE-365	**Report Date:**	10/05/21

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:	BROADWAY DRY CLEANERS	**Lab Number:**	L2152622
Project Number:	BE-365	**Report Date:**	10/05/21

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.)

REFERENCES

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

96 Method for the Determination of Air-Phase Petroleum Hydrocarbons (APH), MassDEP, December 2009, Revision 1 with QC Requirements & Performance Standards for the Analysis of APH by GC/MS under the Massachusetts Contingency Plan, WSC-CAM-IXA, July 2010.

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.

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

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

Date Rec'd In Lab: 9/29/21

ALPHA Job #: L2152622

Client Information

Client: Beacon Environmental
Address: PO Box 2154
Windham, ME 04062
Phone: (207) 376-9301
Fax: (207) 221-1354
Email: jcressey@beaconmaine.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Broadway Dry Cleaning
Project Location: Bangor, ME
Project #: BE-365
Project Manager: Cressey
ALPHA Quote #:

Turn-Around Time

~~Standard~~ ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: BE-365

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs)	Fixed Gases ☐	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
52622-01	HA-05	9/28/21	850	1108	-29.71	-15.83	SV	JKC	2.7L	3000	01032	X	X				2300 PPB
02	HA-04		920	950	-29.52	-4.97	SV	JKC	2.7L	3457	01443	X	X				8500 PPB
03	HA-07		929	1140	-30.19	-13.80	SV	JKC	2.7L	3031	01746	X	X				8100 PPB
04	SV-06		1003	1034	-27.68	-8.35	SV	JKC	2.7L	148	02102	X	X				200 PPB
05	SV-03		1008	1039	-30.04	-6.38	SV	JKC	2.7L	3452	0944	X	X				1100 PPB
06	SSV-01		1049	1119	-29.53	-6.67	SV	JKC	2.7L	383	01547	X	X				500 PPB
07	SSV-01		1049	1119	-29.05	-6.01	SV	JKC	2.7L	2864	0735	X	X				500 PPB
08	SV-01		1118	1148	-29.88	-1.64	SV	JKC	2.7L	2356	01471	X	X				17500 PPB
09	SV-02		1138	1242	-29.86	-7.85	SV	JKC	2.7L	529	01506	X	X				
10	~~SSV-03~~ HA-09		1231	1430	-27.47	-20.11	SV	JKC	2.7L	2199	01509	X	X				

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CSCS

Relinquished By:	Date/Time	Received By:	Date/Time:
	9/28, 1446		9/28/21 14:46
	9/28/21 1715		9/28/21 1715
	9/28/21 18:00		9/28/21 18:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Serial_No:10052111:39

AIR ANALYSIS

ALPHA ANALYTICAL

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 9/29/21

ALPHA Job #: L2152622

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

Client Information

Client: BEACON ENVIRONMENTAL
Address: PO BOX 2154
WINDHAM, ME 04062
Phone: (207) 376-5001
Fax: (207) 221-1354
Email: JCRESSEY@BEACONMAINE.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Broadway Dry Cleaners
Project Location: BANGOR, ME
Project #: BE-365
Project Manager: CRESSEY
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
11	HA-01	9/28/21	1244	1309	-29.32	-8.66	SV	JWC	2.7L	2432	01714	X	X				800 PPB

Mlm Wan 9/28/21 0328

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	9/28 1446	[signature]	9/28 14:46
[signature]	9/28/21 1731	[signature]	9/28/21 1731
[signature]	9/28/21 1800	[signature]	9/28/21 1800

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions.
See reverse side.

9/29/21 0415 9/29/21 0530

 (Rev. 15-Sep-15)

APPENDIX C to Site Inspection Report

BROADWAY DRY CLEANING

2022 PHASE II ESA, June 1, 2022

PHASE II ENVIRONMENTAL SITE ASSESSMENT
ADDITIONAL SAMPLING
BROADWAY DRY CLEANING
490 BROADWAY
BANGOR, MAINE

PREPARED FOR:
MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333

PREPARED BY:
BEACON ENVIRONMENTAL CONSULTANTS, LLC
PO BOX 2154
WINDHAM, MAINE 04062

June 1, 2022

BE-356

PO BOX 2154, WINDHAM, MAINE 04062
Phone (207) 376-5001 / Fax (207) 221-1354
www.BeaconMaine.com

EXECUTIVE SUMMARY

Beacon Environmental Consultants, LLC (Beacon) was retained by the Maine Department of Environmental Protection (MEDEP) to conduct a Phase II Environmental Site Assessment (ESA) at the Broadway Dry Cleaning Property located at 490 Broadway in the City of Bangor, Penobscot County, Maine. The purpose of the Phase II ESA Investigation was to investigate conditions at the property in order to identify and delineate areas of subsurface, groundwater, and soil vapor contamination.

Beacon completed a Phase II ESA on behalf of the MEDEP in November 2021 which included sampling soils, groundwater, soil vapor, and subslab soil vapor. Based on the sample results received, Beacon determined that there were no exceedances for soil above the applicable guidelines. There was an exceedance above the current residential and construction worker MEDEP RAGs for vinyl chloride in the groundwater sample analyzed from MW-02 and its duplicate. The results for 1,3,5-trimethylbenzene, 1,3-butadiene, ethylbenzene, naphthalene, and trichloroethylene in soil vapor SV-01, for 1,3-butadiene in soil vapor SV-03, and for chloroform in soil sample HA-01 were above the residential MEDEP RAG after the attenuation factor is used. Additionally, the results for 1,2,4-trimethylbenzene, C5-C8 aliphatics, C9-C10 aromatics, and C9-C12 Aliphatics were above both the residential and the commercial worker MEDEP RAG after the attenuation factor is used. The results for tetrachloroethylene in the subslab soil vapor, and its duplicate, were above the residential MEDEP RAG after the attenuation factor is used. Additionally, the results for trichloroethylene in the subslab and its duplicate were above both the residential and the commercial worker MEDEP RAG after the attenuation factor is used.

Beacon recommends the following:

- Indoor air and/or subslab soil vapor should be collected from the business and the residence to the north, the business to the south, the residence to the south, and the residences to the west;
- A vapor mitigation system should be designed and installed in the subslab to mitigate the impacted soil gas;
- The floor drains should be further investigated and closed out in accordance with MEDEP rules; and
- The property owner should consider applying to the MEDEP Voluntary Response Action Program (VRAP) to obtain liability protections afforded by Maine law.

Beacon developed a Work Plan in December 2021 to support the additional sampling. On February 16 and 24, 2022, Beacon performed the following work as part of the Phase II ESA for the Site:

- Installed four (4) sub slab soil vapor points in neighboring properties and collected four (4) sub slab soil vapor samples and one (1) duplicate sample for laboratory analysis; and
- Oversaw the completion of concrete scanning and ground penetrating radar survey of the floor drains within the site building.

The sub slab soil vapor samples and soil vapor samples collected from Site investigations was submitted to Alpha in Mansfield, Massachusetts for laboratory analysis of Air Petroleum ranges and compounds and VOCs.

Soil vapor and sub slab soil vapor samples were either non-detect or below both the Residential and Commercial MEDEP RAGs after the attenuation factor was applied.

Beacon recommends the following:

- A vapor mitigation system should be designed and installed in the subslab to mitigate the impacted soil gas;
- The hole in the northwestern corner of the building should be filled with sand and then sealed with concrete; and
- The property owner should consider applying to the MEDEP Voluntary Response Action Program (VRAP) to obtain liability protections afforded by Maine law.

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1.0 INTRODUCTION

This Phase II Environmental Site Assessment (ESA) was conducted, by Beacon Environmental Consultants, LLC (Beacon), for the Maine Department of Environmental Protection (MEDEP) under a grant from the United States Environmental Protection Agency (USEPA). The Conceptual Site Model (CSM) was created to address data gaps from previous environmental investigations completed on the property.

1.1 Purpose

Beacon was retained by the MEDEP to conduct this Phase II ESA to investigate conditions at the Broadway Dry Cleaning property (MEDEP REMO #01916) located at 490 Broadway, in the City of Bangor, Penobscot County, Maine in order to identify potential impacts to subsurface soils, groundwater, and soil vapor.

1.2 Special Terms and Conditions

This report has been prepared for the exclusive use of the MEDEP and should not be reproduced or disseminated without the written approval of Beacon or the MEDEP. Beacon has retained a copy of this report. No additions or deletions are authorized without the written consent of Beacon. Use of this report in whole or in part by parties other than the Client or his/her authorized agent is prohibited.

1.3 Limitations and Exceptions of Assessment

Beacon did not identify limitations or exceptions in the development of this assessment.

2.0 BACKGROUND

2.1 Site Description and Features

The Site is approximately 0.61 acres, located at 490 Broadway in the City of Bangor, Maine. The Site is identified by the City of Bangor's Assessor's Office as Lot 84 on Tax Map 37. One 7,048 square foot concrete and mortar building is on the property. The building is currently being used for storage by Mr. Paul Baron, the property owner.

The Site is located at 490 Broadway in a commercial/residential area of Bangor.

See **Figure 1** for a Site Location Map.

The area surrounding the site is primarily commercial and residential usage.

2.2 Physical Setting

Based on a review of the Surficial Geologic Map of the Bangor Quadrangle, Maine Map (Kent M. Syverson and Andrew H. Thompson, 2011), surficial soils at the Site are identified as till deposits (Pt). Till deposits are comprised of loose to very compact, poorly sorted, massive to weakly stratified mixture of sand, silt, and gravel-size rock debris deposited by glacial ice.

Based on a review of the Bedrock Geologic Map of the Bangor Quadrangle, Maine (Stephen G. Pollock, 2011), the Site is underlain by the Lover's Leap Member of the Bangor Formation (Sbl). This member is comprised by Silurian-aged dark gray to grayish

black siltstone slate with laminae and very thin beds of very fine-grained quartz-rich sandstone.

According to the Significant Sand & Gravel Aquifers of the Bangor Quadrangle, Maine Map (Lauren E. Foster and Troy T. Smith, 2008) the Site is not located within a significant sand and gravel aquifer.

2.3 Site History and Land Use

According to the Phase I ESA completed by Summit Environmental Consultants, Inc. (Summit), the property being assessed was developed in 1945 with the current building and was utilized as a bus garage and maintenance facility. From 1950 through 1973, the property was used as a dry cleaner. From 1973 until approximately 2008, the property was used as the base of operations for Town Taxi. A redemption center occupied the building from the mid-2000s until 2018.

2.4 Adjacent Property Land Use

The Site is bounded to the east by Broadway, to the south by Earle Avenue, to the west by a Lemist Street, and to the northwest by a residence and to the north by Jiffy Printing.

2.5 Summary of Previous Assessments

Underground Storage Tank Site Assessment – Fessenden Geo-Environmental Services, July 2, 2002

An Underground Storage Tank (UST) Site Assessment report was completed for the property in conjunction with the removal of five USTs in 2002. According to the report, during the removal of the USTs, petroleum contamination was observed in the excavation. MEDEP Response Services established a clean-up guideline of 750 parts per million (ppm) on a Photoionization Detector (PID), for the Site. Approximately 252 tons of contaminated soil was removed and transported to Thibodeau's facility in Prospect, Maine for asphalt batching. Contamination exceeding the cleanup goal was left along Earle Avenue to the south and along the western edge of the foundation of the Site building due to structural concerns.

Soil Vapor Screening – MEDEP, 2009.

The MEDEP conducted soil vapor sampling and a site inspection on October 16, 2009. One soil vapor sample was collected from adjacent to the southwest corner of the Site building and one soil vapor sample was collected from within the municipal sewer located within the intersection of Lemist Street and Earle Avenue to the west of the Site. Samples were collected utilizing SUMMA canisters and submitted to Alpha Analytical Laboratory in Mansfield, Massachusetts for analysis of VOCs by USEPA Method TO-15.

Analytical results indicated that the sample collected from outside of the building reported concentrations of tetrachloroethylene (PCE). The sample was a soil vapor sample, therefore; the MEDEP Indoor Air Remedial Action Guidelines (RAGs) are not directly comparable. As such, the MEDEP has approved guidance to divide the MERAGs by 0.03 before comparing the results to the RAGs. Applying this attenuation factor to the reported result for this sample, the result is below both the current (2021) Residential and the Commercial RAGs. The sewer sample was non-detect for PCE.

MEDEP conducted a follow-up sampling event on March 25, 2010. An indoor air sample and a near slab soil vapor sample were collected at 20 Earle Avenue. MEDEP sought permission to also sample indoor air and soil vapor at 13 Lemist Street and 14 Lemist Street, but did not receive a response from either address.

Analytical results indicated that the indoor air sample collected from the basement of 20 Earle Avenue and the near slab soil vapor sample were both non-detect for PCE.

Phase I ESA – Summit, August 27, 2010

Summit Environmental Consultants, Inc. (Summit) completed a Phase I ESA on behalf of the MEDEP in August 2010. Based on the Phase I ESA, Summit identified the following Recognized Environmental Conditions (RECs) at the Site:

1. The property was used as a bus garage, dry cleaner, and taxi service from 1945 until the early 1990s;
2. An investigation performed by the MEDEP documented soil vapor issues adjacent to the building;
3. Several spills have occurred within the Site building which made their way to floor drains located within the Site building which are known to not be connected to the City of Bangor sanitary system.
4. In 2002, five underground storage tanks were removed from the property and soils exhibiting greater than 750 parts per million (ppm) on a photoionization detector (PID) were removed. According to the site assessment report completed by Fessenden Geo-Environmental Services, soils in the areas close to the building and along Earl Avenue exhibiting contamination above the cleanup guideline were left in place due to structural concerns.

Summit recommended that:

- A Phase II ESA be performed to determine if groundwater and soils above the cleanup standards still exist in close proximity to the Site building as well as to determine if contamination observed at the Bangor Mainway property (across Broadway to the east) has affected the Site;
- Conduct a vapor intrusion evaluation to determine if vapors from previously identified soil contamination have the potential to affect indoor air quality on the Site or migrate off-site and impact adjacent properties;
- Perform a dye test to determine the discharge point(s) of the three floor drains and determine if the pit observed, and measured by MEDEP, has a drain.

Phase II Environmental Site Assessment, prepared by Beacon, dated November 10, 2021.

Beacon developed a Work Plan in August 2021 to support the Phase II ESA. On September 27, 2021, Beacon performed the following work as part of the Phase II ESA for the Site:

- Advanced ten (10) soil borings utilizing a Geoprobe track-mounted rig and collected four (4) soil samples and a duplicate for laboratory analysis.
- Advanced ten (10) hand borings utilizing an AMS 1 ½" bucket hand auger.

- Installed one (1) temporary monitoring well and one pore water sampler and collected two (2) groundwater samples, and one duplicate, for laboratory analysis.
- Installed one (1) sub slab soil vapor point and collected one (1) sub slab soil vapor sample and a duplicate, for laboratory analysis.
- Installed nine (9) soil gas sample points and collected nine (9) soil vapor samples for laboratory analysis.

Soil and groundwater samples collected from Site investigations were submitted to Alpha Analytical Laboratory (Alpha) in Westboro, Massachusetts for laboratory analysis of Volatile Petroleum Hydrocarbon (VPH) ranges, Volatile Organic Compounds (VOCs) and Extractible Petroleum Hydrocarbon (EPH) ranges and compounds.

The sub slab soil vapor samples, soil vapor samples collected from Site investigations was submitted to Alpha in Mansfield, Massachusetts for laboratory analysis of Air Petroleum ranges and compounds and VOCs.

There were no exceedances to the current residential, park user, commercial worker, or construction worker MEDEP Remedial Action Guidelines (RAGs) for soil samples analyzed.

There was an exceedance above the current residential and construction worker MEDEP RAGs for vinyl chloride in the groundwater sample analyzed from MW-02 and its duplicate.

The results for 1,3,5-trimethylbenzene, 1,3-butadiene, ethylbenzene, naphthalene, and trichloroethylene in soil vapor SV-01, for 1,3-butadiene in soil vapor SV-03, and for chloroform in soil sample HA-01 were above the residential MEDEP RAG after the attenuation factor is used. Additionally, the results for 1,2,4-trimethylbenzene, C5-C8 aliphatics, C9-C10 aromatics, and C9-C12 Aliphatics were above both the residential and the commercial worker MEDEP RAG after the attenuation factor is used.

The results for tetrachloroethylene in the subslab soil vapor, and its duplicate, were above the residential MEDEP RAG after the attenuation factor is used. Additionally, the results for trichloroethylene in the subslab and its duplicate were above both the residential and the commercial worker MEDEP RAG after the attenuation factor is used.

Beacon recommends the following:

- Indoor air and/or subslab soil vapor should be collected from the business and the residence to the north, the business to the south, the residence to the south, and the residences to the west;
- A vapor mitigation system should be designed and installed in the subslab to mitigate the impacted soil gas;
- The floor drains should be further investigated and closed out in accordance with MEDEP rules; and
- The property owner should consider applying to the MEDEP Voluntary Response Action Program (VRAP) to obtain liability protections afforded by Maine law.

3.0 Work Performed and Rationale

3.1 Scope of Assessment

The Scope of this Phase II ESA was to attempt to determine if impacts were present in subsurface soil, groundwater, or soil vapor. See **Appendix A** for site photographs.

3.2 Conceptual Site Model

Site Familiarity

Beacon completed a Phase II ESA in November 2021, which included sampling of soil, groundwater, soil vapor, sub slab soil vapor. Documented exceedances in sub slab soil vapor and soil vapor led to the development of the work plan to identify whether exceedances were present in sub slab soil gas on abutting properties.

Sitewide Considerations

The property was formerly operated as a bus garage, a dry cleaner, and automotive repair facility. A UST removal, in 2002, determined that petroleum compounds were present within soil and groundwater and an MEDEP investigation determined that chlorinated compounds were present within soil gas around the structure. EPH ranges and target PAH compounds, VPH ranges and target VOCs, are potential COCs in connection with the area and downgradient thereof in soil, groundwater, and soil vapor.

SITE CONCEPTUAL MODEL SUMMARY	
POSSIBLE SOURCE AREAS	Site-wide Considerations
CONTAMINANTS OF CONCERN	Sub Slab Soil Gas • Air Petroleum Hydrocarbons (APH) • VOCs
POTENTIAL MEDIA AFFECTED	Sub Slab Soil Vapor
POTENTIAL EXPOSURE ROUTES	Exposure pathways for contamination in soil gas • Inhalation of impacted soil gas
POTENTIAL MIGRATION PATHWAYS	Migration pathways for contaminants: • Vapor transport (if impacted).
RECEPTORS	For soil vapor, potential receptors include current and future site occupants, if impacted soil gas is discovered.

3.3 Deviations from Sampling Plan

No deviations from the sampling plan were made.

3.4 Exploration, Sampling, and Test Screening Methods

Concrete Scanning and Ground Penetrating Radar Survey

Beacon subcontracted ProMark Utility Locating, Inc (ProMark) to complete concrete scanning and a ground penetrating radar (GPR) survey of the interior of the site building to attempt to determine discharge points for the floor drains. The drains were determined to be connected to the city sewer. A hole in the floor on the southwestern corner of the

site building did not appear to be connected to any piping but appeared to have a hard bottom, although it was full of water.

Sub Slab Soil Vapor Sampling

Beacon utilized a hammer drill to penetrate the concrete slab within the basement of the Tri-City Pizza building and residences at 14 Lemist Street, 20 Earle Avenue, 31 Earle Avenue. Beacon then inserted ¼" Teflon tubing and the hole was sealed with modeling clay. Once this tubing was connected, Beacon took PID readings using a MiniRae PPB PID and oxygen, carbon dioxide, and lower explosive limit (LEL) readings with an Eagle Four-Gas Meter to evaluate whether the seal was effectively isolating ambient air from sub-slab vapor. Beacon then connected one 2.7-liter SUMMA canisters with a 30-minute flow controller to the tubing. For the location at 31 Earle Avenue, Beacon connected two 2.7-liter SUMMA canisters connected by a splitter to two 30-minute flow controller. See **Appendix C** for sub slab soil vapor sampling sheets.

Sub slab soil vapor samples were submitted to Alpha of Mansfield, Massachusetts for analysis of APH and VOCs by TO-15.

4.0 PRESENTATION AND EVALUATION OF RESULTS

4.1 Subsurface Conditions

Subsurface conditions on the property were identified during the Phase II ESA completed in November 2021 as sand and gravel fill to a depth of ~2 feet BGS where glaciomarine silty-clay was encountered. A transition from silty-clay to sand was observed at an approximate depth of 8' BGS to boring completion. Refusal (presumed bedrock) was not encountered in borings.

4.2 Analytical Results

Sub Slab Soil Vapor

Sample results from the sub slab soil vapor locations and the duplicate reported concentrations for VOCs and petroleum hydrocarbons. The samples were sub slab soil vapor sample, therefore; the MEDEP Indoor Air Remedial Action Guidelines (RAGs) are not directly comparable. As such, the MEDEP has approved guidance to divide the MERAGs by 0.03 before comparing the results to the RAGs. Applying this attenuation factor to the reported results, the results for VOCs and petroleum compounds were beneath both the Residential and Commercial scenarios. See **Table 1** for sub slab soil vapor analytical results and **Appendix C** for analytical reports.

5.0 INTERPRETATION AND CONCLUSIONS

5.1 Recognized Environmental Condition/Potential Release Area

Impacts were observed on the property above applicable MEDEP Residential and Commercial RAGs for soil vapor and sub slab soil vapor and above the MEDEP Residential and Construction RAGs for groundwater.

5.2 Conceptual Model Validation/Adequacy of Investigations

Soil vapor impacts were identified on the property in laboratory samples. The CSM was validated by these results. However, the results were below the applicable residential and commercial RAGs. This validated the CSM as the impacts documented in the Phase II ESA in November 2021 do not extend to off-site receptors.

5.3 Absence, Presence, Degree, Extent of Target Analytes

Detections of petroleum and volatile organic compounds were found in the sub slab soil vapor and soil vapor samples. The results from the soil vapor and subslab samples were below the MEDEP attenuation factor for Indoor Air in Residential and Commercial scenarios.

5.4 Additional Work Performed

No additional work was performed.

5.5 Quality Control

Duplicate soil samples had some Relative Percent Difference (RPD) greater than 30% with several over 100%. Typically, RPDs greater than 30% indicate poor analytical precision. For soil however, due to the small sample size obtained from samples based on the 1" acetate sleeve, there is the potential for higher variability in soil samples which may allow for higher discrepancy. The groundwater duplicate sample was below 30% RPD when both samples had reported results and not estimated results. The sub slab soil vapor duplicate had multiple RPDs above 30%. The higher of the two sample results was used in comparing to RAGs to ensure the most conservative analysis was made.

The laboratory reported the following Quality Assurance and/or Quality Control (QA/QC) issues:

<u>Lab Report L2208416:</u>

Volatile Organics

L2208416-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2208416-02D2: 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.

L2208416-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2208416-03D: 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.

Petroleum Hydrocarbons in Air

L2208416-01D through -03: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

L2208416-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Lab Report L2209911

Volatile Organics in Air

Petroleum Hydrocarbons in Air

L2209911-01 and -02: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

Based on our review, the data is determined to be acceptable and we believe MEDEP can rely on this data to make decisions.

5.6 Conclusions

There were exceedances above the current Residential and Construction RAGs for vinyl chloride in groundwater near the southwest corner of the site building that were identified in the Phase II ESA completed in November 2021.

There were exceedances above both the Residential and Commercial RAGs in sub slab soil gas for TCE and for C5-C8 aliphatics, C9-C10 aromatics, C9-C12 aliphatics, and 1,2,4-trimethylbenzene to the southwest of the Site building that were identified in the Phase II ESA completed in November 2021. There were also exceedances above the current Residential RAGs for 1,3,5-trimethylbenzene, naphthalene, 1,3-butadiene, ethylbenzene, and trichloroethylene to the southwest of the site building, for 1,3-butadiene and chloroform to the west of the site building and for PCE in the sub slab soil vapor that were identified in the Phase II ESA completed in November 2021.

This assessment did not identify that these exceedances have migrated off-site (abutting properties).

6.0 Recommendations

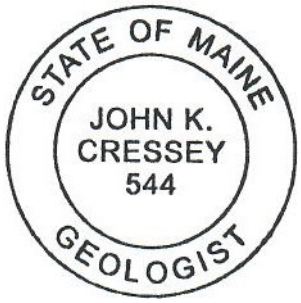
Beacon recommends the following:

- A vapor mitigation system should be designed and installed in the subslab to mitigate the impacted soil gas; and
- The property owner should consider applying to the MEDEP Voluntary Response Action Program (VRAP) to obtain liability protections afforded by Maine law.

7.0 Signature

BEACON ENVIRONMENTAL CONSULTANTS, LLC

John K. Cressey, LG, PG
President/Principal Geologist



TABLES

TABLE 1 - SUB SLAB SOIL VAPOR SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SSV-103 (13 LEMIST)		SSV-105 (20 EARLE)		SSV-106 (422 CENTER)		SV-104		SV-107	
LOCATION						14 LEMIST STREET		20 EARLE AVENUE		TRI-CITY PIZZA		31 EARLE AVENUE		31 EARLE AVENUE	
SAMPLING DATE						16-FEB-22		16-FEB-22		16-FEB-22		24-FEB-22		24-FEB-22	
LAB SAMPLE ID						L2208416-01		L2208416-02		L2208416-03		L2209911-01		L2209911-02	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual				Qual		Qual
Volatile Organics in Air by SIM															
1,1,1-Trichloroethane	5200	173333	22000	733333	ug/m3	0.496	U	0.364	U	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane	0.48	16	2.1	70	ug/m3	0.624	U	0.458	U	0.137	U	0.137	U	0.137	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5200	173333	22000	733333	ug/m3	1.74	U	1.28	U	0.69		0.429		0.452	
1,1,2-Trichloroethane	0.21	7	0.88	29.3	ug/m3	0.496	U	0.364	U	0.109	U	0.109	U	0.109	U
1,1-Dichloroethane	18	600	77	2567	ug/m3	0.368	U	0.27	U	0.081	U	0.081	U	0.081	U
1,1-Dichloroethene	210	7000	880	29333	ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene	2.1	70	8.8	293	ug/m3	1.69	U	1.24	U	0.371	U	0.371	U	0.371	U
1,2,4-Trimethylbenzene	63	2100	260	8667	ug/m3	0.447		1.83		0.988		0.423		0.521	
1,2-Dibromoethane	0.047	1.57	0.2	6.67	ug/m3	0.699	U	0.513	U	0.154	U	0.154	U	0.154	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane					ug/m3	1.59	U	1.17	U	0.349	U	0.349	U	0.349	U
1,2-Dichlorobenzene	210	7000	880	29333	ug/m3	0.547	U	0.401	U	0.12	U	0.12	U	0.12	U
1,2-Dichloroethane	1.1	36.7	4.7	157	ug/m3	0.368	U	0.27	U	0.093		0.081	U	0.081	U
1,2-Dichloroethene (total)					ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
1,2-Dichloropropane	4.2	140	18	600	ug/m3	0.42	U	0.308	U	0.092	U	0.092	U	0.092	U
1,3,5-Trimethylbenzene	63	2100	260	8667	ug/m3	0.447	U	0.492		0.256		0.098		0.133	
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	0.201	U	1.06		0.305		0.223		0.277	
1,3-Dichlorobenzene					ug/m3	0.547	U	0.401	U	0.12	U	0.12	U	0.12	U
1,3-Dichloropropene, Total	7	233	31	1033	ug/m3	0.413	U	0.303	U	0.091	U	0.091	U	0.091	U
1,4-Dichlorobenzene	2.6	87	11	367	ug/m3	0.547	U	0.401	U	0.12	U	0.12	U	0.12	U
1,4-Dioxane	5.6	187	25	833	ug/m3	1.8		2.35		0.36	U	0.36	U	0.36	U
2,2,4-Trimethylpentane					ug/m3	4.25	U	3.12	U	1.35		0.934	U	0.934	U
2-Butanone	5200	173333	22000	733333	ug/m3	7.43		21		24.3		1.64		1.9	
2-Hexanone	31	1033	130	4333	ug/m3	3.73	U	2.73	U	0.82	U	0.82	U	0.82	U
3-Chloropropene	1	33.3	4.4	147	ug/m3	2.85	U	2.09	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene					ug/m3	0.447	U	0.41		0.231		0.103		0.113	
4-Methyl-2-pentanone	3100	103333	13000	433333	ug/m3	9.3	U	6.84	U	2.77		2.05	U	2.05	U
Acetone	32000	1066667	140000	4666667	ug/m3	1000		2280		1760		29.5		33.5	
Benzene	3.6	120	16	533	ug/m3	1.45	U	2.6		1.59		0.594		0.588	
Benzyl chloride	0.57	19	2.5	83.3	ug/m3	2.35	U	1.72	U	0.518	U	0.518	U	0.518	U
Bromodichloromethane	0.76	25.3	3.3	110	ug/m3	0.609	U	0.447	U	0.134	U	0.134	U	0.134	U
Bromoform	26	867	110	3667	ug/m3	0.94	U	0.69	U	0.207	U	0.207	U	0.207	U
Bromomethane	5.2	173	22	733	ug/m3	0.353	U	0.259	U	0.078	U	0.078	U	0.078	U
Carbon disulfide	730	24333	3100	103333	ug/m3	2.83	U	2.08	U	0.623	U	0.623	U	0.623	U
Carbon tetrachloride	4.7	157	20	667	ug/m3	0.572	U	0.482		0.51		0.233		0.208	
Chlorobenzene	52	1733	220	7333	ug/m3	2.09	U	1.53	U	0.461	U	0.461	U	0.461	U
Chloroethane	10000	333333	44000	1466667	ug/m3	1.2	U	0.879	U	0.264	U	0.264	U	0.264	U
Chloroform	1.2	40	5.3	177	ug/m3	1.02		0.816		0.366		0.19		0.259	
Chloromethane	94	3133	390	13000	ug/m3	1.88	U	1.6		1.83		0.473		0.413	U
cis-1,2-Dichloroethene	830	27667	3500	116667	ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene					ug/m3	0.413	U	0.303	U	0.091	U	0.091	U	0.091	U
Cyclohexane	6300	210000	26000	866667	ug/m3	3.13	U	2.3	U	0.881		0.688	U	0.688	U
Dibromochloromethane					ug/m3	0.774	U	0.568	U	0.17	U	0.17	U	0.17	U
Dichlorodifluoromethane	100	3333	440	14667	ug/m3	4.49	U	3.87		4.2		2.29		2.38	
Ethyl Acetate					ug/m3	8.18	U	6.02	U	1.8	U	1.8	U	1.8	U
Ethyl Alcohol					ug/m3	1740		1220		150		262		428	
Ethylbenzene	11	367	49	1633	ug/m3	0.395	U	1.06		0.808		0.239		0.261	
Heptane					ug/m3	3.73	U	2.73	U	1.21		0.82	U	0.82	U
Hexachlorobutadiene	1.3	43.3	5.6	187	ug/m3	2.42	U	1.78	U	0.533	U	0.533	U	0.533	U
iso-Propyl Alcohol	210	7000	880	29333	ug/m3	6.02		22.1		1.23	U	1.23	U	1.23	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	3.28	U	2.4	U	0.721	U	0.721	U	0.721	U
Methylene chloride	630	21000	2600	86667	ug/m3	7.89	U	5.8	U	2.79		1.77		1.74	U
n-Hexane	730	24333	3100	103333	ug/m3	3.2	U	2.78		2.01		1.22		1.35	

TABLE 1 - SUB SLAB SOIL VAPOR SAMPLE RESULTS
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE

CLIENT SAMPLE ID						SSV-103 (13 LEMIST)		SSV-105 (20 EARLE)		SSV-106 (422 CENTER)		SV-104		SV-107	
LOCATION						14 LEMIST STREET		20 EARLE AVENUE		TRI-CITY PIZZA		31 EARLE AVENUE		31 EARLE AVENUE	
SAMPLING DATE						16-FEB-22		16-FEB-22		16-FEB-22		24-FEB-22		24-FEB-22	
LAB SAMPLE ID						L2208416-01		L2208416-02		L2208416-03		L2209911-01		L2209911-02	
	RES	RES/0.03	COMM	COMM/0.03	Units		Qual		Qual				Qual		Qual
Naphthalene	0.83	27.7	3.6	120	ug/m3	1.19	U	0.876	U	0.262	U	0.262	U	0.262	U
Propylene					ug/m3	3.91	U	10.5		3.1		2.1		2.5	
Styrene	1000	33333	4400	146667	ug/m3	0.387	U	1.02		1.78		0.085	U	0.102	
Tetrachloroethene	42	1400	180	6000	ug/m3	0.616	U	0.452	U	0.509		3.14		3.54	
Tetrahydrofuran	2100	70000	8800	293333	ug/m3	6.69	U	4.93	U	1.61		1.47	U	1.47	U
Toluene	5200	173333	22000	733333	ug/m3	2.43		4.82		3.12		0.897		0.995	
trans-1,2-Dichloroethene	42	1400	180	6000	ug/m3	0.36	U	0.264	U	0.079	U	0.079	U	0.079	U
trans-1,3-Dichloropropene					ug/m3	0.413	U	0.303	U	0.091	U	0.091	U	0.091	U
Trichloroethene	2.1	70	8.8	293	ug/m3	0.489	U	0.358	U	0.113		0.107	U	0.107	U
Trichlorofluoromethane					ug/m3	1.48		1.59		1.75		0.871		0.922	
Vinyl acetate	210	7000	880	29333	ug/m3	16	U	11.7	U	3.52	U	3.52	U	3.52	U
Vinyl bromide	1.9	63.3	8.2	273	ug/m3	3.97	U	2.92	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	1.7	56.7	28	933	ug/m3	0.232	U	0.171	U	0.051	U	0.051	U	0.051	U
Xylene (Total)	100	3333	440	14667	ug/m3	1.38		4.26		3.13		0.951		1.08	
Petroleum Hydrocarbons in Air															
1,3-Butadiene	0.94	31.3	4.1	137	ug/m3	2.2	U	1.6	U	0.5	U	0.5	U	0.5	U
Benzene	3.6	120	16	533	ug/m3	2.7	U	3.2		2		0.71		0.7	
C5-C8 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	610		1600		2800		110		110	
C9-C10 Aromatics Total	52	1733	220	7333	ug/m3	45	U	33	U	10	U	10	U	10	U
C9-C12 Aliphatics, Adjusted	210	7000	880	29333	ug/m3	45	U	120		160		10	U	14	
Ethylbenzene	11	367	49	1633	ug/m3	4	U	3	U	0.93		0.9	U	0.9	U
Methyl tert butyl ether	110	3667	470	15667	ug/m3	3.2	U	2.3	U	0.7	U	0.7	U	0.7	U
Naphthalene	0.83	28	3.6	120	ug/m3	5	U	3.6	U	1.1	U	1.1	U	1.1	U
Toluene	5200	173333	22000	733333	ug/m3	4	U	6		3.8		1		1.2	
Xylenes, Total	100	3333	440	14667	ug/m3	4	U	3.3		3.5		0.9	U	0.9	U

Notes:
Sample results compared to MEDEP RAGs for Indoor Air Residential (RES) and Commercial (COMM) Scenarios
RES/0.03 and COM/0.03 = Guidelines after Attenuation Factor Used
ug/m3 = micrograms per cubic meter
U = Not Detected Above the Laboratory Detection Limit
SV-107 is a duplicate of SV-104

FIGURES

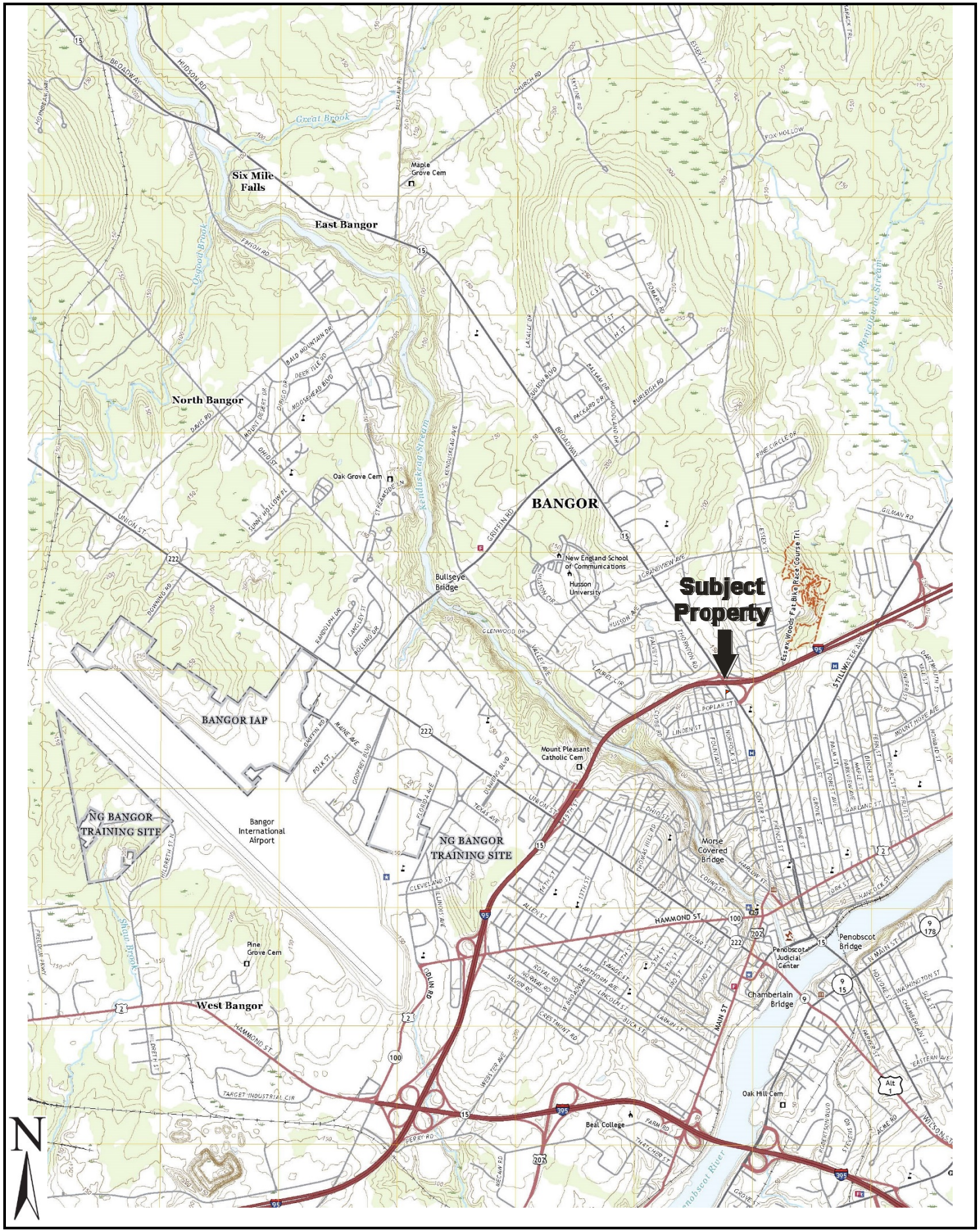


FIGURE 1 – SITE LOCATION MAP
Project No. BE-356

BEACON Environmental Consultants, LLC

FIGURE 2: SAMPLE LOCATION PLAN
BROADWAY DRY CLEANING, 490 BROADWAY, BANGOR, MAINE
Project No.: BE-356

APPENDIX A

SITE PHOTOGRAPHS

Photo No. 1

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
February 16, 2022

Description:
Location SSV-103 in the Basement of 13 Lemist.

Photo By: JKC

Photo No. 2

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
February 16, 2022

Description:
Sample SSV-105 in the basement of 20 Earle Avenue.

Photo By: JKC

Photo No. 3

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
February 16, 2022

Description:
Sample SSV-106 in the basement of 422 Center Street.

Photo By: JKC

Photo No. 4

Site Location:
490 Broadway
Bangor, Maine

Photo Date:
February 24, 2022

Description:
Samples SSV-104 & SSV-107 in the basement of 31 Earle Avenue.

Photo By: JKC

APPENDIX B

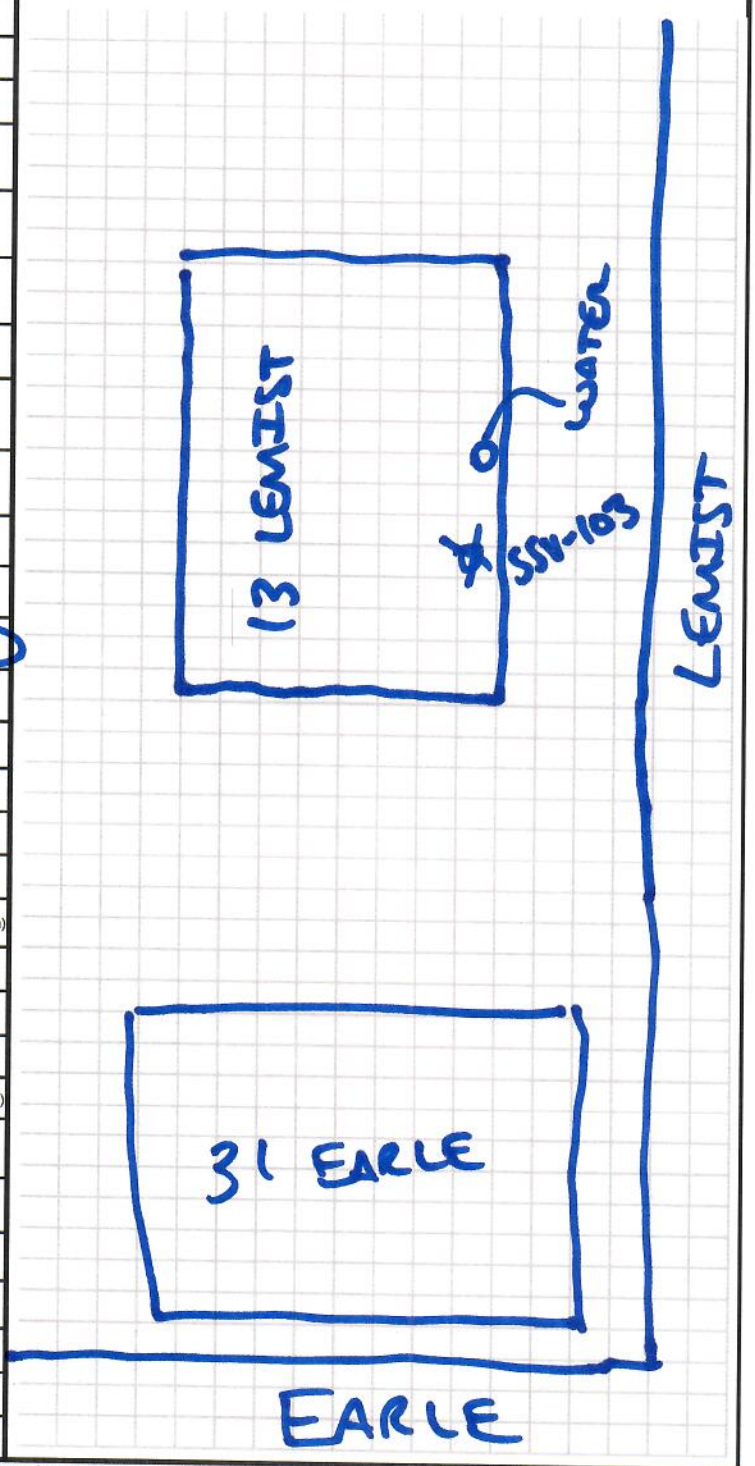
SOIL VAPOR SAMPLING SHEETS

Soil Gas/Subslab Soil Gas Sampling Field Sheet

13 LEMIST

Site Name:	BROADWAY
Town:	BANGOR
Date:	2-16-2022
Sample I.D.:	SSV-103
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	JKC
Project Manager	REDMOND
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	≈ 8"
Depth to Water:	3'
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	143
Flow Control I.D.:	02122
Flow control rate:	72
O_2 Ambient	20.9%
CO_2 Ambient	[illegible] PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	18.6%
Pre-Sample CO_2 :	>5000 PPM
Pre-Sample PID:	25 PPB
Pre-Sample CH_4:	0 (% Volume, %LEL, PPM)
Sample Initiation Time:	841
Initial Vacuum:	-30.01
Sample End Time:	915
Final Vaccum:	-3.00
Post Sample O_2 :	18.6%
Post Sample CO_2:	>5000 PPM
Post Sample PID	25 PPB

Sample Location Sketch



Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

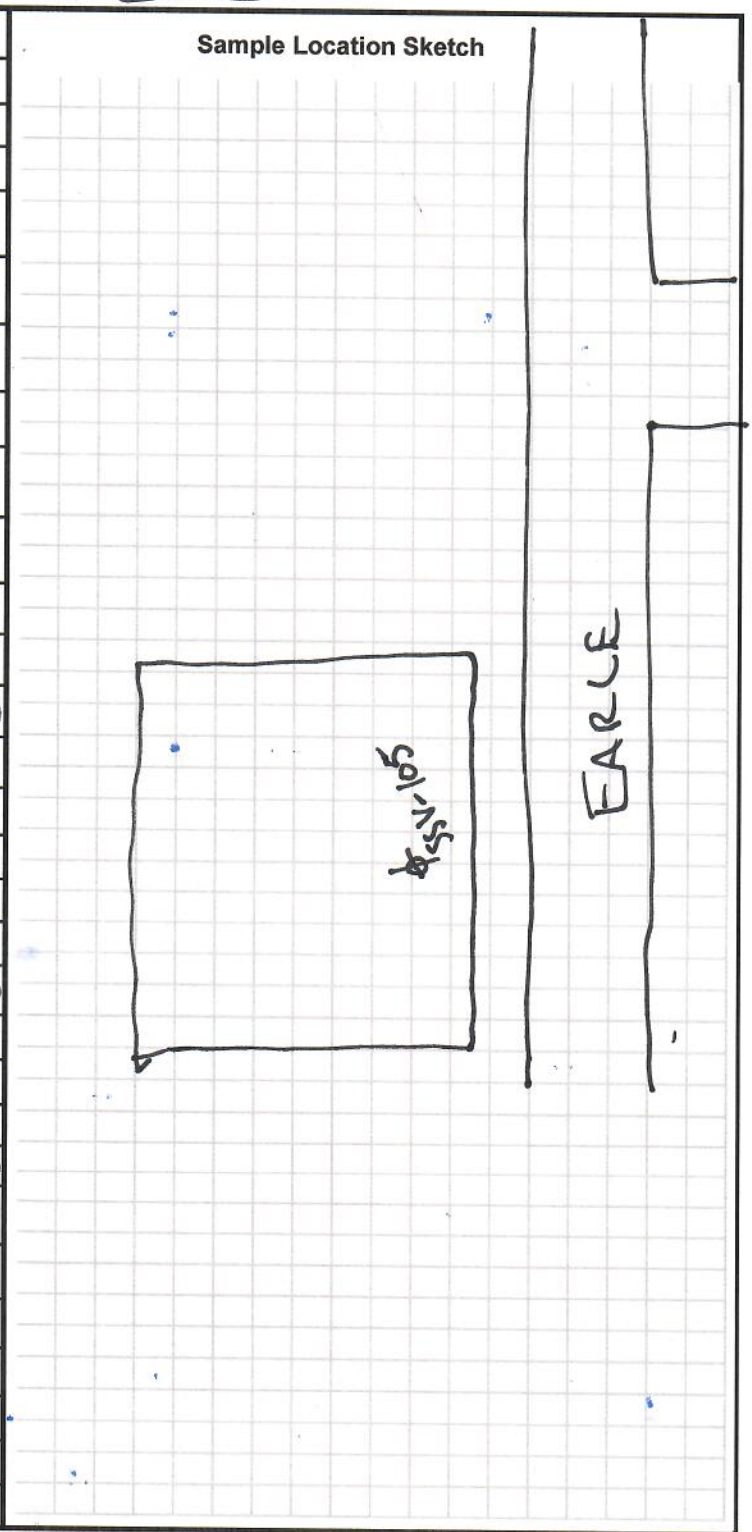
Revison Date: September 2016

Soil Gas/Subslab Soil Gas Sampling Field Sheet

20 EARLE

Site Name:	BROADWAY
Town:	BANGOR
Date:	2-16-2022
Sample I.D.:	SSV-105
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	JVC
Project Manager	REDMOND
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	~8"
Depth to Water:	3'
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	3246
Flow Control I.D.:	01547
Flow control rate:	72
O_2 Ambient	20.9%
CO_2 Ambient	5 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	18.7%
Pre-Sample CO_2 :	75000 PPM
Pre-Sample PID:	21 PPB
Pre-Sample CH_4:	0 (% Volume, %LEL, PPM)
Sample Initiation Time:	956
Initial Vacuum:	-30.13
Sample End Time:	922
Final Vaccum:	-9.46
Post Sample O_2 :	18.7%
Post Sample CO_2:	75000 PPM
Post Sample PID	21 PPB

Sample Location Sketch



Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

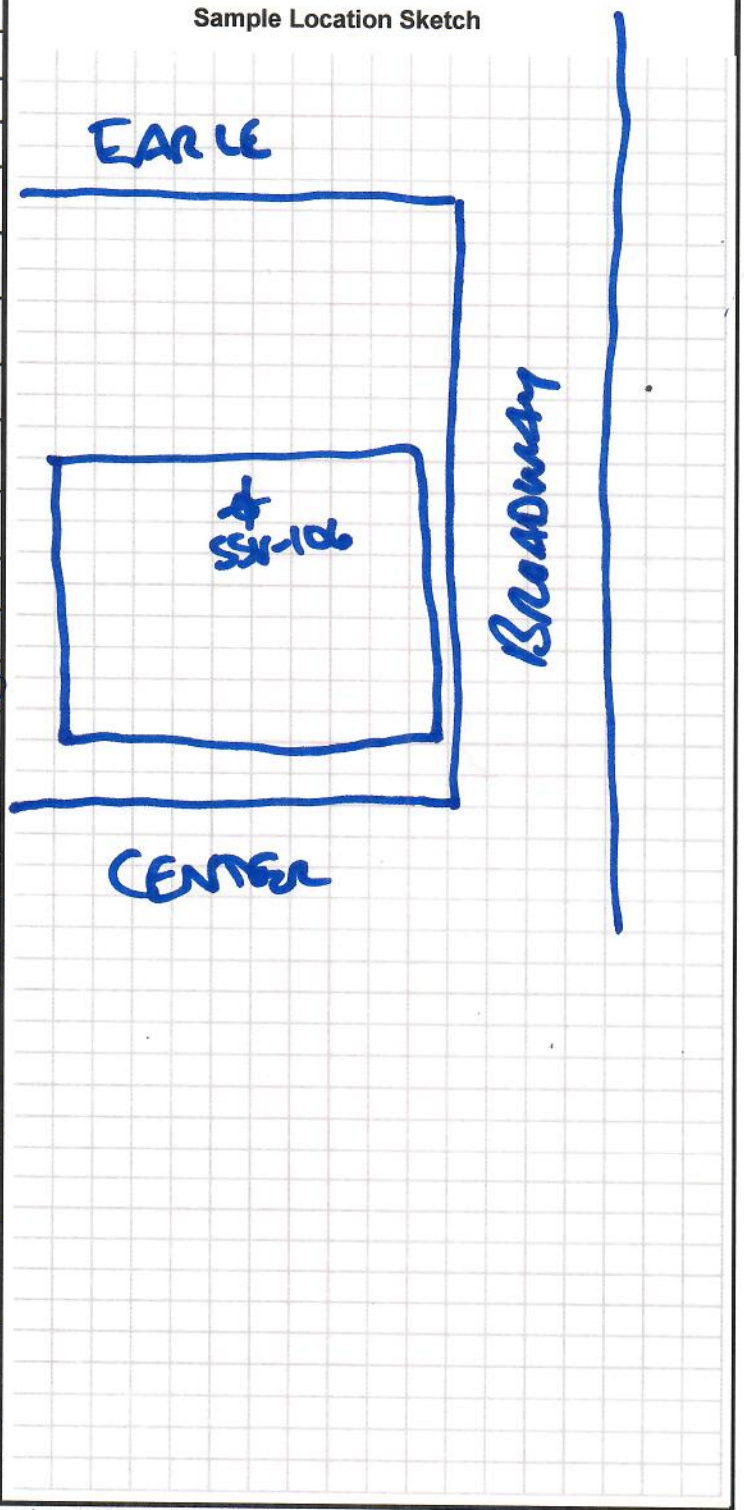
Revison Date: September 2016

Soil Gas/Subslab Soil Gas Sampling Field Sheet

422 CENTER

Site Name:	BROADWAY
Town:	BANGOR
Date:	2-16-2022
Sample I.D.:	SSV-106
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	JKL
Project Manager	REDMOND
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	~4"
Depth to Water:	3'
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	2193
Flow Control I.D.:	01792
Flow control rate:	7
O_2 Ambient	20.9%
CO_2 Ambient	5 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.9 %
Pre-Sample CO_2 :	75000 PPM
Pre-Sample PID:	20 PPB
Pre-Sample CH_4:	0 (% Volume, %LEL, PPM)
Sample Initiation Time:	910
Initial Vacuum:	-31.13
Sample End Time:	938
Final Vaccum:	-6.94
Post Sample O_2 :	17.9%
Post Sample CO_2:	75000 ppm
Post Sample PID	20 PPB

Sample Location Sketch



Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

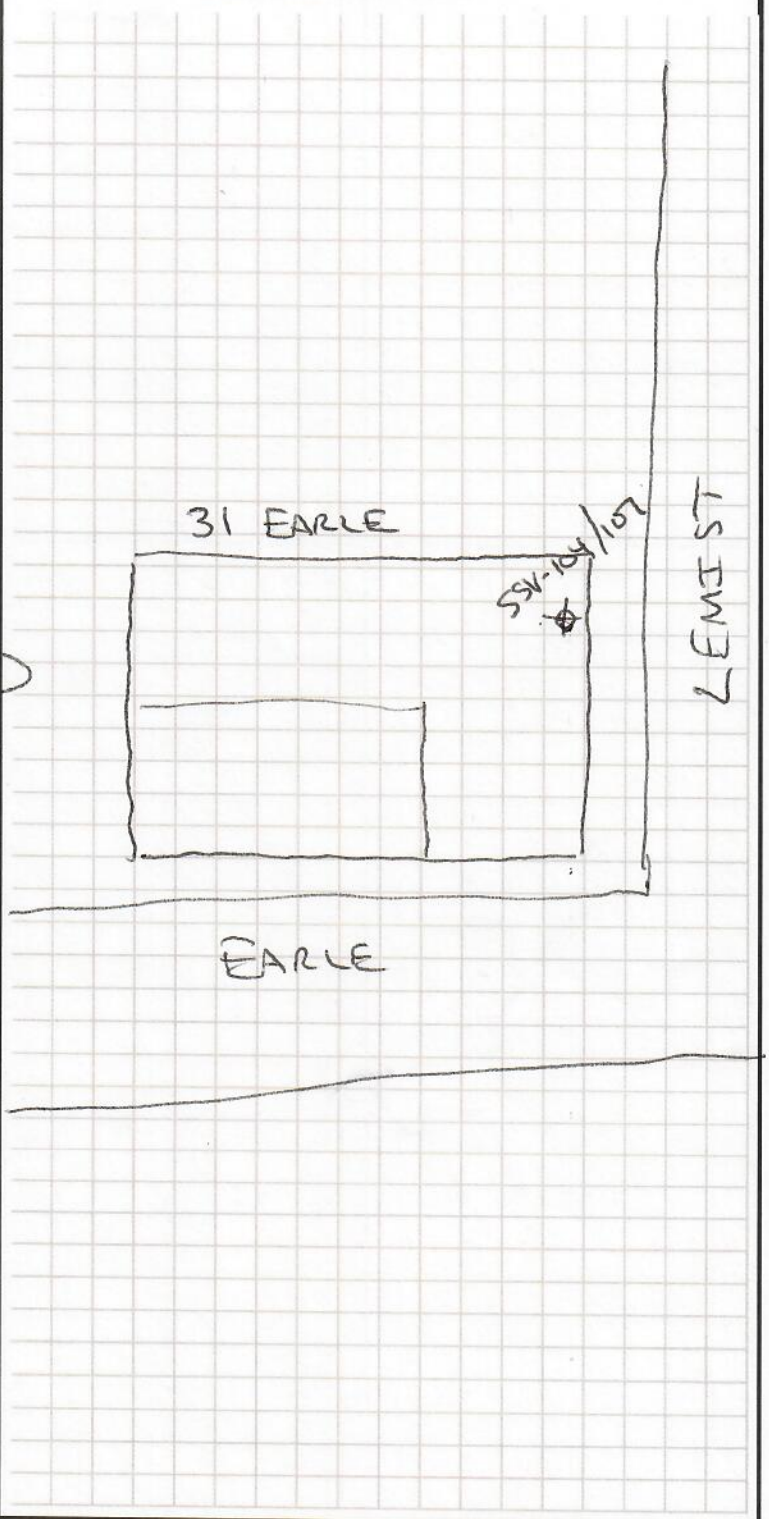
Revison Date: September 2016

Soil Gas/Subslab Soil Gas Sampling Field Sheet

31 EARLE

Site Name:	BROADWAY
Town:	BANGOR
Date:	2/24/2022
Sample I.D.:	SSV-104 / SSV-107
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	JKC
Project Manager	REDMOND
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	~6"
Depth to Water:	3'
Suspected COCs:	(Petroleum) (Solvents)
Canister I.D.:	2362 / 2300
Flow Control I.D.:	01715 / 01107
Flow control rate:	72 mL/min
O_2 Ambient	20.9%
CO_2 Ambient	0 PPM
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	18.3%
Pre-Sample CO_2 :	> 5000 PPM
Pre-Sample PID:	3000 PPB
Pre-Sample CH_4:	0.0 (% Volume (%LEL) PPM)
Sample Initiation Time:	918
Initial Vacuum:	-30.95 / -31.13
Sample End Time:	945
Final Vaccum:	-7.92 / -7.81
Post Sample O_2 :	18.3%
Post Sample CO_2:	>5000 PPM
Post Sample PID	3000 PPB

Sample Location Sketch



Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

APPENDIX C

ALPHA ANALYTICAL LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2209911
Client:	Beacon Environmental Consultants, LLC 33 Hawthorne Drive P.O. Box 2154 Windham, ME 04062
ATTN:	John Cressey
Phone:	(207) 376-5001
Project Name:	BROADWAY
Project Number:	BE-356
Report Date:	03/14/22

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: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2209911-01	SV-104	SOIL_VAPOR	BANGOR, ME	02/24/22 09:45	02/24/22
L2209911-02	SV-107	SOIL_VAPOR	BANGOR, ME	02/24/22 09:45	02/24/22

Project Name:	BROADWAY	**Lab Number:**	L2209911
Project Number:	BE-356	**Report Date:**	03/14/22

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:	BROADWAY	**Lab Number:**	L2209911
Project Number:	BE-356	**Report Date:**	03/14/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 14 and 21, 2022. The canister certification results are provided as an addendum.

Petroleum Hydrocarbons in Air

L2209911-01 and -02: All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

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: 03/14/22

AIR

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-01
Client ID: SV-104
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 06:10
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	1.22	0.500	--	2.10	0.861	--		1
Dichlorodifluoromethane	0.463	0.200	--	2.29	0.989	--		1
Chloromethane	0.229	0.200	--	0.473	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.101	0.020	--	0.223	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	139	5.00	--	262	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.4	1.00	--	29.5	2.38	--		1
Trichlorofluoromethane	0.155	0.050	--	0.871	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
Methylene chloride	0.510	0.500	--	1.77	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.056	0.050	--	0.429	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-01
Client ID: SV-104
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	0.556	0.500	--	1.64	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.039	0.020	--	0.190	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	0.345	0.200	--	1.22	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.186	0.100	--	0.594	0.319	--		1
Carbon tetrachloride	0.037	0.020	--	0.233	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		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	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.238	0.100	--	0.897	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-01
Client ID: SV-104
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
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 by SIM - Mansfield Lab								
Tetrachloroethene	0.463	0.020	--	3.14	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.055	0.020	--	0.239	0.087	--		1
p/m-Xylene	0.157	0.040	--	0.682	0.174	--		1
Xylene (Total)	0.219	0.020	--	0.951	0.087	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.062	0.020	--	0.269	0.087	--		1
4-Ethyltoluene	0.021	0.020	--	0.103	0.098	--		1
1,3,5-Trimethylbenzene	0.020	0.020	--	0.098	0.098	--		1
1,2,4-Trimethylbenzene	0.086	0.020	--	0.423	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	102		60-140
bromochloromethane	110		60-140
chlorobenzene-d5	102		60-140

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-02
Client ID: SV-107
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/12/22 05:32
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	1.45	0.500	--	2.50	0.861	--		1
Dichlorodifluoromethane	0.481	0.200	--	2.38	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.125	0.020	--	0.277	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	227	5.00	--	428	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.1	1.00	--	33.5	2.38	--		1
Trichlorofluoromethane	0.164	0.050	--	0.922	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		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
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.059	0.050	--	0.452	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-02
Client ID: SV-107
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
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 by SIM - Mansfield Lab								
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	0.645	0.500	--	1.90	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.053	0.020	--	0.259	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	0.383	0.200	--	1.35	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.184	0.100	--	0.588	0.319	--		1
Carbon tetrachloride	0.033	0.020	--	0.208	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		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	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.264	0.100	--	0.995	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-02
Client ID: SV-107
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
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 by SIM - Mansfield Lab								
Tetrachloroethene	0.522	0.020	--	3.54	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.060	0.020	--	0.261	0.087	--		1
p/m-Xylene	0.177	0.040	--	0.769	0.174	--		1
Xylene (Total)	0.249	0.020	--	1.08	0.087	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.024	0.020	--	0.102	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.072	0.020	--	0.313	0.087	--		1
4-Ethyltoluene	0.023	0.020	--	0.113	0.098	--		1
1,3,5-Trimethylbenzene	0.027	0.020	--	0.133	0.098	--		1
1,2,4-Trimethylbenzene	0.106	0.020	--	0.521	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	101		60-140

Project Name: BROADWAY
Project Number: BE-356
Lab Number: L2209911
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/11/22 19:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1614775-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,2-Dichloroethene (total)	ND	0.020	--	ND	0.079	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
1,3-Dichloropropene, Total	ND	0.020	--	ND	0.091	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1

Project Name: BROADWAY
Project Number: BE-356
Lab Number: L2209911
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/11/22 19:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1614775-4								
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		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	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1

Project Name: BROADWAY
Project Number: BE-356
Lab Number: L2209911
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/11/22 19:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1614775-4								
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Xylene (Total)	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,2,3-Trichloropropane	ND	0.020	--	ND	0.121	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BROADWAY
Project Number: BE-356
Lab Number: L2209911
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/11/22 19:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1614775-4								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.020	--	ND	0.193	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG1614775-3								
Propylene	101		-		70-130	-		25
Dichlorodifluoromethane	94		-		70-130	-		25
Chloromethane	96		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100		-		70-130	-		25
Vinyl chloride	99		-		70-130	-		25
1,3-Butadiene	108		-		70-130	-		25
Bromomethane	100		-		70-130	-		25
Chloroethane	95		-		70-130	-		25
Ethyl Alcohol	85		-		40-160	-		25
Vinyl bromide	94		-		70-130	-		25
Acrolein	86		-		60-113	-		25
Acetone	104		-		40-160	-		25
Trichlorofluoromethane	87		-		70-130	-		25
iso-Propyl Alcohol	101		-		40-160	-		25
Acrylonitrile	98		-		70-130	-		25
1,1-Dichloroethene	101		-		70-130	-		25
tert-Butyl Alcohol[1]	90		-		70-130	-		25
Methylene chloride	97		-		70-130	-		25
3-Chloropropene	108		-		70-130	-		25
Carbon disulfide	92		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	98		-		70-130	-		25
trans-1,2-Dichloroethene	97		-		70-130	-		25
1,1-Dichloroethane	100		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY

Project Number: BE-356

Lab Number: L2209911

Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG1614775-3								
Methyl tert butyl ether	100		-		70-130	-		25
Vinyl acetate	85		-		70-130	-		25
2-Butanone	95		-		70-130	-		25
cis-1,2-Dichloroethene	100		-		70-130	-		25
Ethyl Acetate	103		-		70-130	-		25
Chloroform	100		-		70-130	-		25
Tetrahydrofuran	91		-		70-130	-		25
1,2-Dichloroethane	89		-		70-130	-		25
n-Hexane	100		-		70-130	-		25
1,1,1-Trichloroethane	99		-		70-130	-		25
Benzene	90		-		70-130	-		25
Carbon tetrachloride	98		-		70-130	-		25
Cyclohexane	102		-		70-130	-		25
Dibromomethane[1]	91		-		70-130	-		25
1,2-Dichloropropane	101		-		70-130	-		25
Bromodichloromethane	105		-		70-130	-		25
1,4-Dioxane	105		-		70-130	-		25
Trichloroethene	106		-		70-130	-		25
2,2,4-Trimethylpentane	101		-		70-130	-		25
cis-1,3-Dichloropropene	102		-		70-130	-		25
4-Methyl-2-pentanone	99		-		70-130	-		25
trans-1,3-Dichloropropene	112		-		70-130	-		25
1,1,2-Trichloroethane	107		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: BROADWAY

Project Number: BE-356

Lab Number: L2209911

Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG1614775-3								
Toluene	90		-		70-130	-		25
2-Hexanone	101		-		70-130	-		25
Dibromochloromethane	108		-		70-130	-		25
1,2-Dibromoethane	105		-		70-130	-		25
Tetrachloroethene	103		-		70-130	-		25
1,1,1,2-Tetrachloroethane	97		-		70-130	-		25
Chlorobenzene	103		-		70-130	-		25
Ethylbenzene	103		-		70-130	-		25
p/m-Xylene	103		-		70-130	-		25
Bromoform	101		-		70-130	-		25
Styrene	109		-		70-130	-		25
1,1,2,2-Tetrachloroethane	111		-		70-130	-		25
o-Xylene	104		-		70-130	-		25
1,2,3-Trichloropropane[1]	97		-		70-130	-		25
Isopropylbenzene	95		-		70-130	-		25
Bromobenzene[1]	100		-		70-130	-		25
4-Ethyltoluene	105		-		70-130	-		25
1,3,5-Trimethylbenzene	109		-		70-130	-		25
1,2,4-Trimethylbenzene	109		-		70-130	-		25
Benzyl chloride	103		-		70-130	-		25
1,3-Dichlorobenzene	107		-		70-130	-		25
1,4-Dichlorobenzene	105		-		70-130	-		25
sec-Butylbenzene	93		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG1614775-3								
p-Isopropyltoluene	91		-		70-130	-		25
1,2-Dichlorobenzene	105		-		70-130	-		25
n-Butylbenzene	99		-		70-130	-		25
1,2-Dibromo-3-chloropropane	99		-		70-130	-		25
1,2,4-Trichlorobenzene	108		-		70-130	-		25
Naphthalene	104		-		70-130	-		25
1,2,3-Trichlorobenzene	110		-		70-130	-		25
Hexachlorobutadiene	107		-		70-130	-		25

Project Name: BROADWAY
Project Number: BE-356
Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-01
Client ID: SV-104
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 03/12/22 06:10
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	0.71		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	110		ug/m3	10	--	1
Toluene	1.0		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	ND		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		50-200
Bromochloromethane	99		50-200
Chlorobenzene-d5	97		50-200

Project Name: BROADWAY
Project Number: BE-356
Lab Number: L2209911
Report Date: 03/14/22

SAMPLE RESULTS

Lab ID: L2209911-02
Client ID: SV-107
Sample Location: BANGOR, ME

Date Collected: 02/24/22 09:45
Date Received: 02/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Analytical Method: 96,APH
Analytical Date: 03/12/22 05:32
Analyst: RY

Quality Control Information

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	0.70		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	110		ug/m3	10	--	1
Toluene	1.2		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	ND		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	14		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		50-200
Bromochloromethane	96		50-200
Chlorobenzene-d5	96		50-200

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 96,APH
Analytical Date: 03/11/22 19:15
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1614776-4					
1,3-Butadiene	ND		ug/m3	0.50	--
Methyl tert butyl ether	ND		ug/m3	0.70	--
Benzene	ND		ug/m3	0.60	--
C5-C8 Aliphatics, Adjusted	ND		ug/m3	10	--
Toluene	ND		ug/m3	0.90	--
Ethylbenzene	ND		ug/m3	0.90	--
p/m-Xylene	ND		ug/m3	0.90	--
o-Xylene	ND		ug/m3	0.90	--
Naphthalene	ND		ug/m3	1.1	--
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--
C9-C10 Aromatics Total	ND		ug/m3	10	--

Lab Control Sample Analysis
Batch Quality Control

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1614776-3								
1,3-Butadiene	97		-		70-130	-		
Methyl tert butyl ether	90		-		70-130	-		
Benzene	106		-		70-130	-		
C5-C8 Aliphatics, Adjusted	104		-		70-130	-		
Toluene	102		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
o-Xylene	98		-		70-130	-		
Naphthalene	93		-		50-150	-		
C9-C12 Aliphatics, Adjusted	92		-		70-130	-		
C9-C10 Aromatics Total	87		-		70-130	-		

Project Name: BROADWAY

Project Number: BE-356

Lab Number: L2209911

Report Date: 03/14/22

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2209911-01	SV-104	01715	Flow 2	02/14/22	378247		-	-	-	Pass	72.0	69	4
L2209911-01	SV-104	2362	2.7L Can	02/14/22	378247	L2206654-01	Pass	-29.8	-6.2	-	-	-	-
L2209911-02	SV-107	01107	Flow 2	02/21/22	379088		-	-	-	Pass	72	70	3
L2209911-02	SV-107	2300	2.7L Can	02/21/22	379088	L2206193-06	Pass	-29.4	-6.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/09/22 05:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
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
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		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
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
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								
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		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
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		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
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
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								
Dibromomethane	ND	0.200	--	ND	1.42	--		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
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		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
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		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
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		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
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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
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								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	85		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/09/22 05:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		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	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
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 by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206193
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206193-06
Client ID: CAN 543 SHELF 9
Sample Location:

Date Collected: 02/08/22 09:00
Date Received: 02/08/22
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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	75		60-140
bromochloromethane	77		60-140
chlorobenzene-d5	81		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206654
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/09/22 20:28
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
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
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		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
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206654
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
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								
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		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
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		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
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206654
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
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								
Dibromomethane	ND	0.200	--	ND	1.42	--		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
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		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
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		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
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		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
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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206654
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
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								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206654
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
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								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206654
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/09/22 20:28
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		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	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2206654
Report Date: 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
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 by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2206654

Project Number: CANISTER QC BAT **Report Date:** 03/14/22

Air Canister Certification Results

Lab ID: L2206654-01
Client ID: CAN 508 SHELF 13
Sample Location:

Date Collected: 02/08/22 18:00
Date Received: 02/09/22
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 by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2206193

Project Number: CANISTER QC BAT **Report Date:** 03/14/22

AIR CAN CERTIFICATION RESULTS

Lab ID:	L2206193-06	Date Collected:	02/08/22 09:00
Client ID:	CAN 543 SHELF 9	Date Received:	02/08/22
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	02/09/22 05:51		
Analyst:	TS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	ND		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	10	--	1
Toluene	ND		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	ND		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2206654

Project Number: CANISTER QC BAT **Report Date:** 03/14/22

AIR CAN CERTIFICATION RESULTS

Lab ID:	L2206654-01	Date Collected:	02/08/22 18:00
Client ID:	CAN 508 SHELF 13	Date Received:	02/09/22
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	02/09/22 20:28		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air						
1,3-Butadiene	ND		ug/m3	0.50	--	1
Methyl tert butyl ether	ND		ug/m3	0.70	--	1
Benzene	ND		ug/m3	0.60	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	10	--	1
Toluene	ND		ug/m3	0.90	--	1
Ethylbenzene	ND		ug/m3	0.90	--	1
p/m-Xylene	ND		ug/m3	0.90	--	1
o-Xylene	ND		ug/m3	0.90	--	1
Naphthalene	ND		ug/m3	1.1	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	10	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BROADWAY
Project Number: BE-356

Lab Number: L2209911
Report Date: 03/14/22

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(*)
L2209911-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)
L2209911-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		APH-10(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	BROADWAY	**Lab Number:**	L2209911
Project Number:	BE-356	**Report Date:**	03/14/22

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:	BROADWAY	**Lab Number:**	L2209911
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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

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Project Number:	BE-356	**Report Date:**	03/14/22

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.)

REFERENCES

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

96 Method for the Determination of Air-Phase Petroleum Hydrocarbons (APH), MassDEP, December 2009, Revision 1 with QC Requirements & Performance Standards for the Analysis of APH by GC/MS under the Massachusetts Contingency Plan, WSC-CAM-IXA, July 2010.

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.

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE 1 OF 1

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

Date Rec'd in Lab: 2/24/22

ALPHA Job #: L2209911

Client Information

Client: BEACON ENVIRONMENTAL
Address: PO Box 2154
WINDHAM, ME 04062
Phone: (207) 376-5001
Fax: (207) 221-1354
Email: JCRESSEY@BEACONMAINE.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: BROADWAY
Project Location: BANGOR, ME
Project #: BE-356
Project Manager: CRESSEY
ALPHA Quote #: 15498

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: BE-356

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
09911-01	SV-104	2/24/22	918	945	-30.95	-7.92	SV	JKC	2.7L	2362	01715	X	X				3000 PPB
02	SV-107	↓	918	945	-31.13	-7.81	SV	JKC	2.7L	2300	01107	X	X				3000 PPB

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS CS

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	2/24/22 1255		2/24/22 1255
	2/24/22 1800		2/24/22 1700
	2/24/22 2000		2/24/22 2000