October 29, 2015

Mrs. Becky Blais
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333

Re: Dry Cleaner Initiative Phase II Environmental Site Assessment
LeBlanc's Cleaners | 10 Lafayette Street | Lewiston, Maine

Dear Mrs. Blais:

CES, Inc. (CES) completed a Dry Cleaner investigation (DCI) at the subject property located at 10 Lafayette Street in Lewiston, Maine (Site) on July 28, 2015 and September 2, 2015. A Site Location Map is included as **Figure 1**. The DCI was completed to identify the potential for dry cleaner-related issues affecting the Site and adjacent properties. The scope of work was presented in our Work Plan dated July 22, 2015 and submitted to your attention. The work was completed for the Department's Dry Cleaner Initiative under the Uncontrolled Sites Program.

BACKGROUND

The Site, identified by the City of Lewiston Assessor's Office as Tax Map 173, Lot 19, which corresponds to 10 Lafayette Street, City of Lewiston, Androscoggin County, Maine, was developed with a wagon repair shop, steam dye facility, and dry cleaning operations circa 1914. The main Site building with the more current dry cleaning operation was constructed on the Site circa 1955. At that time, the Site operated one dry cleaning unit which utilized Tetrachloroethene or "Perc" as the primary dry cleaning solvent. According to the property owner, the original dry cleaning machine was vented to the exterior on the western side of the Site building. The original dry cleaning unit and associated vent pipe remain in the Site building but have not been in operation since the early 1970's. This original dry cleaning machine was replaced with a Renzacci dry cleaning unit in the 1970's and operated until 2014, utilizing Perc throughout its operation. The owner ceased the dry cleaning operation in November 2014, and used filters, pre filter lint, and spent solvents from the Renzacci dry cleaning machine are currently stored in the unoccupied building.

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The Phase I Environmental Site Assessment (ESA) performed by Ransom Consulting Inc. (Ransom) reported that significant staining was observed under the dry cleaning unit as well as throughout the Site building, including some staining in the concrete floor under the drums that have historically been used for hazardous waste storage. Used filters, spent solvents, and waste Perc were reportedly stored on the Northern side of the building and disposed of by Safety Kleen throughout dry cleaning operations. The Site reconnaissance performed as part of the Phase I ESA observed empty drums and substance containers on the Site, with staining and substance residue noted on or in the vicinity of the containers, dry cleaning units, and wet-washing units. The current and former dry cleaner units were both located along the northwestern wall of the main Site building between 1955 and 2014. According to Sanborn Maps dating back to the early 1900's, historical dry cleaning operations took place in the current boiler room. Mr. LeBlanc, the Site owner, had no information regarding operations that took place prior to 1955 or in the boiler room section of the building. According to the Site owner, dry cleaning chemicals have been stored in the northern portion of the Site building since 1955. A total of five vent pipes and two fill pipes are located on the property. The fill pipes lead to two 275-gallon heating oil storage tanks. Mr. LeBlanc was not aware of the presence of underground storage tanks at the Site. However, according to historical Sanborn Maps, underground storage tanks were located on the Site between 1914 and 1950. Although the tanks were identified as "gas tanks" on the historical maps, the contents of these tanks is unknown. Based on the historical use of the Site, the tanks likely contained fuel oil and/or dry cleaning chemicals. No records regarding tank registration, installation, inspections, or closure of the USTs were provided or identified during the Phase I ESA Site assessment. The Site building is provided with municipal sewer and water services. According to the Lewiston Sewer & Water District, the sewer service discharges to the sewer main located on Lafayette Street. Two floor drains are located within the northern and eastern section of the Site building, and one additional floor drain is located in the boiler room. During the Phase I ESA Site reconnaissance, three floor drains were observed in connection with the Site building; however, the discharge locations of the floor drains could not be confirmed. According to the Phase I ESA report, the environmental conditions of the Site have the potential to be impacted in connection with the floor drains as a result of leaks or releases of dry cleaning chemicals or petroleum products, and vapor encroachment for surrounding properties cannot be ruled out.

The Site was identified by Environmental Data Resources (EDR) as a U.S. EPA Hazardous Waste Site for disposal of small quantities of halogenated solvent materials associated with the former dry cleaning operation, including Tetrachloroethylene. Several violations were reported in connection with the Site's listing as a Resource Conservation and Recovery Act (RCRA) Conditionally Exempt Small Quantity Generators (CESQG).

PHYSICAL SETTING

The Site is located in a mixed use residential and commercial area. Commercial properties are primarily located to the North and South of the Site, along Sabattus Street and Campus Avenue. Residential properties adjoin the property to the Northeast, East, South, and Southwest of the Site, along Lafayette Street. According to the Maine Geological Survey's online well database (http://www.maine.gov/dacf/mgs/pubs/digital/well.htm), one private drinking water well (205 Webster Street) is located with 2,500 feet of the Site.

The topography of the Site has been graded to be generally flat. The topography in the area surrounding the Site generally slopes downward to the North, towards Jepson Brook. Based on the Lewiston, Maine United States Geological Survey (USGS) Quadrangle map, the general elevation of the Site is approximately 250 feet above mean sea level, as referenced to the National Geodetic Vertical Datum (NGVD).

According to the 2002 Surficial Geologic Map of Maine, surficial soils at the Site are identified as Marine regressive sand deposits. Marine regressive sand deposits are generally represented by a sand, silt, and minor gravel, which were deposited by marine currents and wave action as sea level fell during late-glacial time. Those deposits can be as much as ten (10) feet thick. Surficial geology may also be influenced by fill material, which may have been used for Site grading purposes.

According to 1985 Bedrock Geologic Map of Maine, bedrock in the area of the Site is identified as the Sangerville Formation. This bedrock formation consists of Silurian age marble and calcium-bearing silicate rock. Bedrock outcrops were not observed at the Site during reconnaissance.

PRELIMINARY CONCEPTUAL SITE MODEL

Based on the historic operations as a dry cleaner, since the early 1900's, the solvents used included both petroleum and chlorinated based compounds. The areas of concern include the garage area, the northwestern portions of the main building, the former and/or current USTs, and the migration pathways to area receptors. The area receptors include residential and commercial workers. Given the availability of public water, groundwater consumption is not a risk pathway of concern. However, contaminated groundwater migration can be a risk migration pathway for vapor intrusion exposure to human receptors on and off-site. Shallow soil contamination is a concern for direct contact and deeper soils are potentially accessible if future site uses are modified. Vapor intrusion from contaminated vapors, soils, and groundwater is an important human health exposure pathway that needs to be evaluated. Therefore, soil, air, and groundwater are environmental media that need to be evaluated. Because the site is vacant and is adjacent to residential properties on three sides and a commercial property on the fourth side environmental media should be compared to both commercial and residential exposure criteria for vapor and soils.

CHEMICAL TESTING PLAN

Based upon past usage of the Site building, Chlorinated Vapor Intrusion (CVI) may be a concern. To assist in the determination as to whether this is a concern, CES recommended completing an Indoor Air sample within the structure, three Sub-slab Vapor samples within the structure, Soil Gas samples outside of the structure, as well as groundwater and soil samples.

Utility Locating and Floor Drains

Prior to completing subsurface work on the property, CES subcontracted with Digsmart of Maine (Digsmart) to locate on-site utilities and to attempt to determine the terminus of the floor drains within the building. While locating the utilities with ground penetrating radar (GPR), Digsmart identified two underground structures on the property. One of these structures appears to be an underground storage tank (UST) which is believed to have contained tetrachloroethylene. The exact size of this structure was not able to be definitively determined. The second underground structure appears to be connected to a storm drain that is connected to the floor drains within the Site building. The structure is approximately 4 feet wide and 15 feet long and appears to have a flat top according to the GPR readout.

Soil Borings/Groundwater

On July 28, 2015, CES oversaw the installation of seven soil borings from which five were completed as temporary monitoring wells and groundwater samples were collected following MEDEP's Low Flow Sampling SOP. The locations of soil borings and monitoring wells are shown on **Figure 2**. The ground water sample from each monitoring well was submitted to Alpha Analytical Laboratory (Alpha) of Westborough, Massachusetts for analysis of the nine chlorinated compounds by USEPA Method 8260. Soil was screened with the MiniRae Photoionization Detector (PID) and a soil sample was collected from the depth that had the highest PID reading. The soil samples determined to be of interest were submitted to Alpha for analysis of the nine chlorinated compounds by USEPA Method 8260.

Soils encountered on the North side of the Site building (B-01/MW-01) were comprised of sand, clay, and clayey sand to a total depth of 14.5 feet below ground surface (bgs) with groundwater being encountered at approximately 13 feet below ground surface (bgs). PID results ranged from 0 parts per million (ppm) to 40.7 ppm at 6-8 feet, from which the soil sample (B-01) was collected.

Soils encountered on the West side of the Site building (B-05/MW-05) were comprised of saturated silty sand with a very strong Perc odor, to a total depth of five feet bgs with groundwater being encountered at approximately one foot bgs. PID results ranged from 170 ppm to 1,670 ppm at 4-5 feet. The soil sample (B-05) was collected from 0-4 feet.

Soils encountered on the South side of the Site building (B-03/MW-03, B-04/MW-04, and B-07/MW-07) comprised of sand, clay, sandy clay, and clayey sand to a total depth between 14.5-18.5 feet bgs with groundwater being encountered at approximately 15 feet bgs. PID results ranged from 0 ppm to 499 ppm. The soil samples (B-03, and B-07) were collected from 4-6 feet.

On September 2, 2015, CES oversaw the installation of one additional soil boring completed with a temporary monitoring well (B-08/MW-08) on the northwest side of the Site building, refer to **Figure 2.** Soils encountered comprised of sand, clay, and clayey sand to a total depth of 12 feet bgs with groundwater being encountered at 12 feet bgs. PID results ranged from 2.3 ppm to 102 ppm. The soil samples (B-08) were collected from 0-2 feet (102 ppm) and 6-8 feet (77.6 ppm). The ground water sample was submitted to Alpha for analysis of the nine chlorinated compounds by USEPA Method 8260. Groundwater was determined to be flowing to the west towards the Androscoggin River. See Table 1 for groundwater elevation data.

TABLE 1: WELL SURVEY DATA

Location	Ground Elevation	Casing Elevation	Depth to Groundwater	Groundwater Elevation
MW-01	100.00	100.90	9.22	91.68
MW-03	99.88	102.53	9.05	93.48
MW-04	99.71	101.41	8.15	93.26
MW-05	98.90	102.10	4.61	97.49
MW-07	99.40	100.90	6.30	94.60

Surficial Soil

CES collected one surficial soil sample to the west (SS-07) of the Site building. The surficial soil sample was taken from 0-2 feet. The soil sample was submitted to Alpha for analysis of the nine chlorinated compounds by USEPA Method 8260.

Ambient Air

On July 27, 2015 CES installed one 24-hour indoor air sample (IA-01) within the Site building. The ambient air sample was collected using a 6-liter SUMMA canister supplied by Alpha. CES documented ambient oxygen and carbon dioxide concentrations as well as post-sample oxygen, and carbon dioxide using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae PID. On July 28, 2015, CES closed the valve on the SUMMA canister. The sample was submitted to Alpha for analysis of Volatile Organic Compounds (VOCs) by USEPA Method TO-15 SIM.

Soil Vapor

On July 28, 2015, CES oversaw the installation of three soil vapor points (SV-03, SV-04, and SV-07) that were co-located with three of the temporary monitoring wells (see **Figure 2** for the locations). All the soil vapor points were installed by the Geoprobe 66DT at the depth of 2.5-3.5 feet bgs with Teflon tubing brought to the ground surface. Vapor samples were collected from each of these locations following MEDEP SOP DR#027. CES documented ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae Photoionization Detector (PID). The samples were submitted to Alpha for analysis of the nine chlorinated breakdown compounds by USEPA Method TO-15 by SIM.

In addition, CES used a stainless steel pore water sampler to collect a soil gas sample (SV-01) from within the sewer utility trench along the northern side of the structure following MEDEP SOP DR#027. CES documented ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae Photoionization Detector (PID). Sample was submitted to Alpha for analysis of the nine chlorinated breakdown compounds by USEPA Method TO-15 by SIM.

Samples were collected via Teflon tubing and 2.7 liter SUMMA canisters supplied by Alpha. CES utilized a peristaltic pump to purge the soil gas sample location for five minutes prior to collecting readings.

On September 2, 2015, CES installed five additional soil vapor points on the Site and on abutting properties (SV-08, SV-09, SV-10, SV-11, and SV-13) shown on the **Figure 2**. The soil vapor points were installed using a Geoprobe 66DT at depths between 2.0-3.5 feet bgs with Teflon tubing brought to the ground surface. An additional location (SV-12) was installed on September 3, 2015 using a pore water sampler in close proximity to the apartment building located to the southwest of the Site. Vapor samples were collected from each of these locations following MEDEP SOP DR#027. CES documented ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a ppb MiniRae PID. The samples were submitted to Alpha for analysis of the nine chlorinated breakdown compounds by USEPA Method TO-15 by SIM. Sample SV-11 was not analyzed by Alpha due to a malfunction of the flow controller connected to the SUMMA canister.

Subslab Vapor

On July 28, 2015, CES collected two 30-minute sub-slab vapor samples (SSV-01, SSV-02) from within the Site building and one 30-minute sub-slab vapor sample (SSV-03) from within the garage following MEDEP SOP DR#027. This consisted of using a hammer drill to drill a half inch hole into the concrete, inserting Teflon tubing, and sealing the holes with modeling clay. CES documented pressure difference with a manometer, ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae Photoionization Detector (PID). The samples were submitted to Alpha for analysis of the nine chlorinated breakdown compounds by USEPA Method TO-15 by SIM.

TABLE 2: SAMPLE COLLECTION LOCATION INFORMATION

Vapor Sample Location	Sample ID	Can Size (Liter)	Sample Duration	Analysis	Notes
Indoor Air within Dry Cleaner	IA-01	6	24 Hours	TO-15 SIM	Indoor Air within dry cleaner
Between two former dry cleaning machines	SSV-01	2.7	30 minutes	TO-15 SIM	Subslab Vapor sample within former dry cleaner machines area
Below the washer and flow trench	SSV–02	2.7	30 minutes	TO-15 SIM	Subslab Vapor sample within former dry cleaner
Between an AST and a former boiler in the garage area	SSV–03	2.7	30 minutes	TO-15 SIM	Subslab Vapor sample within former dry cleaner garage area
Near discovered perc UST	SV-03	2.7	30 minutes	TO-15 SIM	Soil vapor near perc tank
Near discovered concrete underground structure	SV-02	2.7	30 minutes	TO-15 SIM	Soil vapor near concrete underground structure
Northwest of the building	SV-08	2.7	30 minutes	TO-15 SIM	Soil Vapor sample near the dry cleaner machines
Southwest of the building	SV-04, SV-07 and SV-10	2.7	30 minutes	TO-15 SIM	Soil Vapor between Site and adjacent apartment building
Near apartment building	SV-12	2.7	30 minutes	TO-15 SIM	Soil vapor adjacent to apartment building (off-site receptor)
Within utility corridor	SV-01, SV-09, SV-11, and SV-13	2.7	30 minutes	TO-15 SIM	Soil vapor within sewer utility corridor (SV-11 was not analyzed due to a regulator malfunction)

Groundwater Sample Location	Sample ID	Analysis	Notes
North of Site Building	MW-01	VOC	Groundwater down gradient of building
South of Site Building	MW–03 and MW-07	VOC	Groundwater up gradient of building
West of Site Building	MW-05 and MW-08	VOC	Groundwater up gradient of building
East of Site Building	MW-04	VOC	Groundwater up gradient of building

Soil Sample Location	Sample ID	Analysis	Notes
North of the Site Building	B-01	9 Chlorinated compounds by USEPA 8260	Soil sample (6-8' bgs) from B-01 down gradient of building
South of the Site Building	B-03 and B-07	9 Chlorinated compounds by USEPA 8260	Soil sample (4-6'bgs) from B-03 and B-07 up gradient of building
West of the Site Building	B-05 and B-08	9 Chlorinated compounds by USEPA 8260	Soil sample (0-4' bgs) from B-05 up gradient of building; Soil samples (0-2'bgs and 6-8'bgs) from B-08 up gradient of building

ANALYTICAL RESULTS

Groundwater

The groundwater sample collected from the monitoring well MW-05 was reported to contain Total Xylenes (3,700 ug/L) and Naphthalene (330 ug/L) above the RAGs for Groundwater for both Residential and Construction Worker scenarios Toluene, Ethylbenzene, Acetone, n-Butylbenzene, Isopropylbenzene, p-Isopropyltoluene, n-Propylbenzene, 1,3,5-Trimethylbenzene, and 1,2,4-Trimethylbenzene were reported above the laboratory detection limit. The groundwater sample collected from monitoring well MW-08 was reported to contain Trichloroethene (320 ug/L) above the RAGs for Groundwater Construction Worker. Tetrachloroethene, Vinyl chloride, trans-1,2-Dichloroethene and cis-1,2-Dichloroethene were reported above the laboratory detection limit. Several volatile organic compounds were detected in the groundwater sample from the monitoring wells MW-03 and MW-07 and were reported above the laboratory detection limit. The sample results are summarized in Table 3 and laboratory results are included in Appendix B.

Soil

Surficial soil sample from SS-07 (0-2' bgs) did not detect volatile compounds at concentrations above the RAGs for Residential and Commercial Worker scenarios. However, the concentration of Tetrachloroethene was detected above the laboratory detection limits. No other VOC compounds were detected from the sample collected. Laboratory analytical results for these soil samples are summarized in Table 4 and laboratory results are included in Appendix B.

Subsurface soil samples from boring B-02 (6-8' bgs), B-05 (0-4' bgs), and B-08 (0-2' bgs) did not detect any compounds at concentrations above the RAGs for Construction Worker scenarios. However, concentration of Tetrachloroethene, Trichloroethene, and cis-1,2-Dichloroethene were detected above the laboratory detection limits. Laboratory analytical results for these soil samples are summarized in Table 5 and laboratory results are included in Appendix B.

Soil Gas

Soil gas samples were reported to contain volatile organic compounds (1,1-Dichloroethene, trans-1,2-Dichloroethene, 1,1-Dichloroethene, and cis-1,2-Dichloroethene), which were detected in soil gas sample locations (SV-01, SV-02, SV-03, SV-04, SV-08, SV-09, SV-10 and SV-12) above the laboratory detection limit. As these samples were soil gas samples, the RAGs are not directly comparable to subslab soil gas samples. Therefore, the attenuation factor was applied to these samples prior to comparison. Applying this attenuation factor to the reported results, the concentrations of trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, Trichloroethene and Tetrachloroethene for SSV-01 and Trichloroethene and Tetrachloroethene for SSV-02 and SSV-03 were greater than ten times the Indoor Air for residential and commercial settings. The sample results are summarized in Table 6 and laboratory results are included in Appendix B.

Subslab Soil Gas

Several volatile organic compounds (trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, and 1,1,1-Trichloroethene) were detected in the sub slab soil gas sample locations (SSV-01, SSV-02, and SSV-03) above the laboratory detection limit. As with the soil gas samples, the RAGs are not directly comparable to subslab soil gas samples. Therefore, the attenuation factor was also applied to these samples prior to comparison. Applying this attenuation factor to the reported results, the concentrations of trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, Trichloroethene and Tetrachloroethene for SSV-01 and Trichloroethene and Tetrachloroethene for SSV-02 and SSV-03 were greater than ten times the Indoor Air for commercial settings. Laboratory analytical results for these sub slab soil gas samples are summarized in Table 7 and laboratory results are included in Appendix B.

Indoor Air

The sample collected from inside the facility (IA-1) reported concentrations of Tetrachloroethene above the RAGs for the Indoor Air Commercial applications. Although several detections were identified, no other VOC compounds were identified exceeding the Indoor Air for commercial settings. Laboratory analytical results for this indoor air sample are summarized in Table 8 and laboratory results are included in Appendix B.

Updated Conceptual Site Model

The areas of concern for this property are the former dry cleaning machine location (IA-1, SSV-01, and SSV-02) and the garage area (SSV-03). The contaminants of concern include Tetrachloroethylene and daughter compounds including Trichloroethylene, 1,2-Dichloroethylene isomers. In the area of MW-05 and MW-08, on the west side of the Site building, petroleum compounds including Naphthalene, Ethylbenzene and other derivatives of benzene were also detected in shallow groundwater. Based on the reported dry cleaner operational history (1914 to 2014) carbon tetrachloride is also considered a contaminant of concern.

The migration pathways to potential receptors include vapor intrusion into the site building through the cement floor (slab), vapor intrusion into buildings on adjacent properties through foundation backfill material and through utility corridor backfill material. Additional risk pathways include contaminated groundwater migration that facilitates vapor migration to receptors hydraulically downgradient of the dry cleaner and ingestion of contaminated groundwater through water supply wells. The third potential risk pathway includes direct contact risks associated with contaminated soils outside the footprint of the building related to chemical handling, filter handling and maintenance, and lint handling practices.

Potential receptors include people with water supply wells, occupants of buildings where vapor intrusion may be occurring on-site and on adjacent properties; and commercial workers that may contact accessible and potentially accessible soils outside the footprint of the building. The results indicate that pathways on-site are complete for vapor intrusion.

Based on the sample results of this investigation and the results of the Phase I ESA completed previously, the pathways to receptors are complete for groundwater, soil contact, or vapor migration. Subslab samples collected in the area of concern indicate that the source concentration of vapors is high and does pose a migration risk to on-site receptors and may pose a migration risk to off-site receptors down gradient (north of the Site). Based on the DEP, Bureau of Remediation, 2013 Remedial Action Guidelines there are unacceptable risks to the current and future receptors. Mitigation combined with institutional controls are warranted for the site based on the RAG exceedances. Potential future risks to contaminated soils should be addressed through a declaration of environmental covenant and a soil management plan through the Voluntary Response Action Program.

The underground structure present under the driveway appears to receive discharges from the existing floor drains and storm water from the driveway. The structure may be related to a historic grit-tank or possible septic tank for the property. Based on the observations during placement of B05/MW-05, it appears that a discharge pipe from the grit-tank may discharge in this direction. Based on observations of the water depths in MW-05 and the clarity of the discharge water, samples likely represent water in the pipe and not actual groundwater. The actual discharge location is unknown, but may go to a historic surface discharge that has been filled in. This historic drainage may be influencing shallow groundwater flow in the area resulting in the westerly flow pattern.

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Additional investigations west and southwest of B-05/MW-05 are warranted.

Based upon the current MEDEP RAGs for Indoor Air in Commercial scenarios, there are exceedances for indoor air and soil gas on the property. Groundwater RAGs for Construction Worker scenarios have been exceeded at two of the monitoring wells installed on the property (MW-05 and MW-08), both are located at the western property boundary.

On-site receptors are currently at risk due to the indoor air concentrations of Tetrachloroethene and the sub slab concentrations of Trichloroethene and Tetrachloroethene.

Off-site receptors are currently at risk due to the soil gas concentrations of Trichloroethene and Tetrachloroethene throughout the Site; however the soil gas sample (SV-12), collected from in front of adjacent building did not detect any concentrations above the RAGs but they were detected above the laboratory detection limit.

Recommendations

At this time CES recommends the following:

- Receptors west and southwest of the property should be identified and migration pathways should be further evaluated.
- The USTs discovered during the Phase II ESA should be removed or abandoned-in-place in accordance with MEDEP regulations;
- The current property owner should complete Hazardous Waste Closure as required by EPA regulations;
- The current property owner should submit an application to the MEDEP Voluntary Response Action Program (VRAP) to secure the liability protections currently afforded by the Department.

If you have any questions regarding this letter report, please feel free to contact me at (207) 795-6009.

Sincerely;
CES, INC.

Dorota Schweier
Environmental Technician

John K. Cressey, C.G.
Senior Project Manager

STATE OF MAINE
JOHN K. CRESSEY
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CERTIFIED
GEOLOGIST

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TABLES

TABLE 3 - GROUNDWATER SAMPLE RESULTS							
	MW-01	MW-03	MW-04	MW-05	MW-07	MW-8	Groundwater Construction Worker
Date	**7/28/2015**	**7/28/2015**	**7/28/2015**	**7/28/2015**	**7/28/2015**	**9/2/2015**	
	ug/L	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
VOCs							
1,1-Dichloroethane	<0.75	<0.75	<0.75	<19	<3.0	<7.5	2,200
Tetrachloroethene	<0.5	9	<0.5	<12	<2.0	300	880
1,2-Dichloroethane	<0.5	<0.5	<0.5	<12	<2.0	<5	140
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<12	<2.0	<5	15,000
Vinyl chloride	<1.0	31	<1.0	<25	<4.0	140	160
1,1-Dichloroethene	<0.5	<0.5	<0.5	<12	<2.0	<5	500
trans-1,2-Dichloroethene	<0.75	38	<0.75	<19	<3.0	21	2,000
Trichloroethene	<0.5	1.2	<0.5	<12	<2.0	**320**	5.8
cis-1,2-Dichloroethene	<0.5	23	<0.5	<12	<2.0	800	2,000
Toluene	NA	NA	NA	94	<3.0	NA	12,000
Ethylbenzene	NA	NA	NA	180	2.6	NA	1,500
p/m-Xylene	NA	NA	NA	**2100**	7.9	NA	790
o-Xylene	NA	NA	NA	**1600**	<4.0	NA	790
Xylenes, Total	NA	NA	NA	**3700**	7.9	NA	790
Acetone	NA	NA	NA	210	<20	NA	160,000
n-Butylbenzene	NA	NA	NA	110	4.3	NA	-
sec-Butylbenzene	NA	NA	NA	<12	4.0	NA	-
Isopropylbenzene	NA	NA	NA	110	3.5	NA	-
p-Isopropyltoluene	NA	NA	NA	120	6.0	NA	-
Naphthalene	NA	NA	NA	**330**	<10	NA	9.7
n-Propylbenzene	NA	NA	NA	130	6.8	NA	-
1,3,5-Trimethylbenzene	NA	NA	NA	990	17	NA	-
1,2,4-Trimethylbenzene	NA	NA	NA	2600	69	NA	-

Notes:

< = Below the laboratory detection limit

J = Estimated Value

ug/L = micrograms per liter

- = No applicable guideline

NA = Not analyzed

TABLE 4 - SURFICIAL SOIL SAMPLE RESULTS					
	SS-07	B-05	B-08	Park User	Commercial Worker
Date	**7/28/2015**	**7/28/2015**	**9/2/2015**		
Depth (ft.)	**0-2**	**0-4**	**0-2**	**0-2**	**0-2**
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
VOCs					
1,1-Dichloroethane	<0.12	<0.17	<0.12	4,200	8,400
Tetrachloroethene	1.3	0.12	0.73	1,700	10,000
1,2-Dichloroethane	<0.08	<0.11	<0.081	260	520
1,1,1-Trichloroethane	<0.08	<0.11	<0.081	10,000	10,000
Vinyl chloride	<0.16	<0.23	<0.15	0.49	66
1,1-Dichloroethene	<0.08	<0.11	<0.081	10,000	10,000
trans-1,2-Dichloroethene	<0.12	<0.17	<0.12	5,700	10,000
Trichloroethene	<0.08	<0.11	<0.081	140	850
cis-1,2-Dichloroethene	<0.08	<0.11	<0.081	570	3,400

Notes:

< = Below the laboratory detection limit

mg/kg = milligram per kilogram

TABLE 5 - SUBSURFACE SOIL SAMPLE RESULTS						
	B-01	B-02	B-03	B-07	B-08	Construction Worker
Date	**7/28/2015**	**7/28/2015**	**7/28/2015**	**7/28/2015**	**9/2/2015**	
Depth (ft.)	**6-8**	**6-8**	**4-6**	**4-6**	**6-8**	**4-15**
	mg/kg	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
VOCs						
1,1-Dichloroethane	<0.0015	<0.11	<0.3	<0.093	<0.094	10,000
Tetrachloroethene	<0.00098	3.7	<0.2	<0.062	<0.062	10,000
1,2-Dichloroethane	<0.00098	<0.0076	<0.2	<0.062	<0.062	3,700
1,1,1-Trichloroethane	<0.00098	<0.0076	<0.2	<0.062	<0.062	10,000
Vinyl chloride	<0.002	<0.15	<0.4	<0.12	<0.12	600
1,1-Dichloroethene	<0.00098	<0.0076	<0.2	<0.062	<0.062	10,000
trans-1,2-Dichloroethene	<0.0015	<0.11	<0.3	<0.093	<0.094	10,000
Trichloroethene	<0.00098	1.1	<0.2	<0.062	<0.062	140
cis-1,2-Dichloroethene	<0.00098	0.11	<0.2	<0.062	<0.062	6,200

Notes:

< = Below the laboratory detection limit

mg/kg = milligram per kilogram

TABLE 6 - SOIL GAS SAMPLE RESULTS												
	SV-01	SV-02	SV-03	SV-04	SV-07	SV-08	SV-09	SV-10	SV-13	SV-12	Indoor Air Commercial	10 Times Indoor Air Commercial
Date	**7/28/2015**	**7/28/2015**	**7/28/2015**	**7/28/2015**	**7/28/2015**	**9/2/2015**	**9/2/2015**	**9/2/2015**	**9/2/2015**	**9/3/2015**		
	ug/m3	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**	**ug/m3**		**ug/m3**
Vinyl Chloride	<0.102	206	**391**	40.4	<0.511	<6.88	3.66	<0.051	<0.511	<0.051	28	280
1,1-Dichloroethene	<0.159	16.8	<9.71	<44.8	<0.793	<10.7	1.73	<0.079	<0.793	<0.079	880	8,880
trans-1,2-Dichloroethene	<0.159	162	113	<44.8	<0.793	15.4	2.6	<0.079	<0.793	<0.079	260	2,600
1,1-Dichloroethane	<0.162	0.465	<9.92	<45.7	<0.809	<10.9	<0.270	<0.081	<0.809	<0.081	2,200	22,000
cis-1,2-Dichloroethene	<0.159	630	500	46.8	<0.793	80.5	322	0.519	<0.793	<0.079	260	2,600
1,2-Dichloroethane	<0.162	<0.405	<9.92	**6,640**	<0.809	<10.9	<0.270	<0.081	<0.809	<0.081	4.7	47
1,1,1-Trichloroethane	<0.218	<0.546	<13.4	<61.7	<1.09	<14.7	<0.364	<0.109	<1.09	<0.109	22,000	220,000
Trichloroethene	0.247	**224**	**143**	<60.7	<1.07	**570**	13	0.398	<1.07	1.27	8.8	88
Tetrachloroethene	296	160	**3,850**	997	217	**21,200**	109	9.29	**2,750**	4.9	180	1,800

Notes:

< = Below the laboratory detection limit

ND = Not detected above the laboratory detection limit

ug/m3 = micrograms per cubic meter

- = No applicable guideline

Bold = Above applicable guideline

NA = Not analyzed

TABLE 7 - SUB SLAB VAPOR SAMPLE RESULTS					
	SSV-01	SSV-02	SSV-03	Indoor Air Commercial	10 Times Indoor Air Commercial
Date	**7/28/2015**	**7/28/2015**	**7/28/2015**		
	ug/m3	**ug/m3**	**ug/m3**		**ug/m3**
Vinyl Chloride	<427	<8.33	<0.511	28	280
1,1-Dichloroethene	<662	<12.9	<0.793	880	8,880
trans-1,2-Dichloroethene	**2,950**	<12.9	<0.793	260	2,600
1,1-Dichloroethane	<676	<13.2	<0.809	2,200	22,000
cis-1,2-Dichloroethene	**97,900**	89.2	94.8	260	2,600
1,2-Dichloroethane	<676	<13.2	<0.809	4.7	47
1,1,1-Trichloroethane	<911	22.2	<1.09	22,000	220,000
Trichloroethene	**81,700**	**443**	**240**	8.8	88
Tetrachloroethene	**4,860,000**	**28,600**	**3,320**	180	1,800

Notes:

< = Below the laboratory detection limit

ND = Not detected above the laboratory detection limit

ug/m3 = micrograms per cubic meter

- = No applicable guideline

Bold = Above applicable guideline

NA = Not analyzed

TABLE 8 - INDOOR AIR SAMPLE RESULTS		
	IA-1	Indoor Air Commercial
Date	**7/28/2015**	
	ug/m3	**ug/m3**
Vinyl Chloride	0.084	28
1,1-Dichloroethene	<0.079	880
trans,-1,2-Dichloroethene	0.266	260
1,1-Dichloroethane	<0.081	2,200
cis-1,2-Dichloroethene	2.22	260
1,2-Dichloroethane	0.085	4.7
1,1,1-Trichloroethane	<0.109	22,000
Trichloroethene	5.34	8.8
Tetrachloroethene	**2,750**	180

Notes:

< = Below the laboratory detection limit

ND = Not detected above the laboratory detection limit

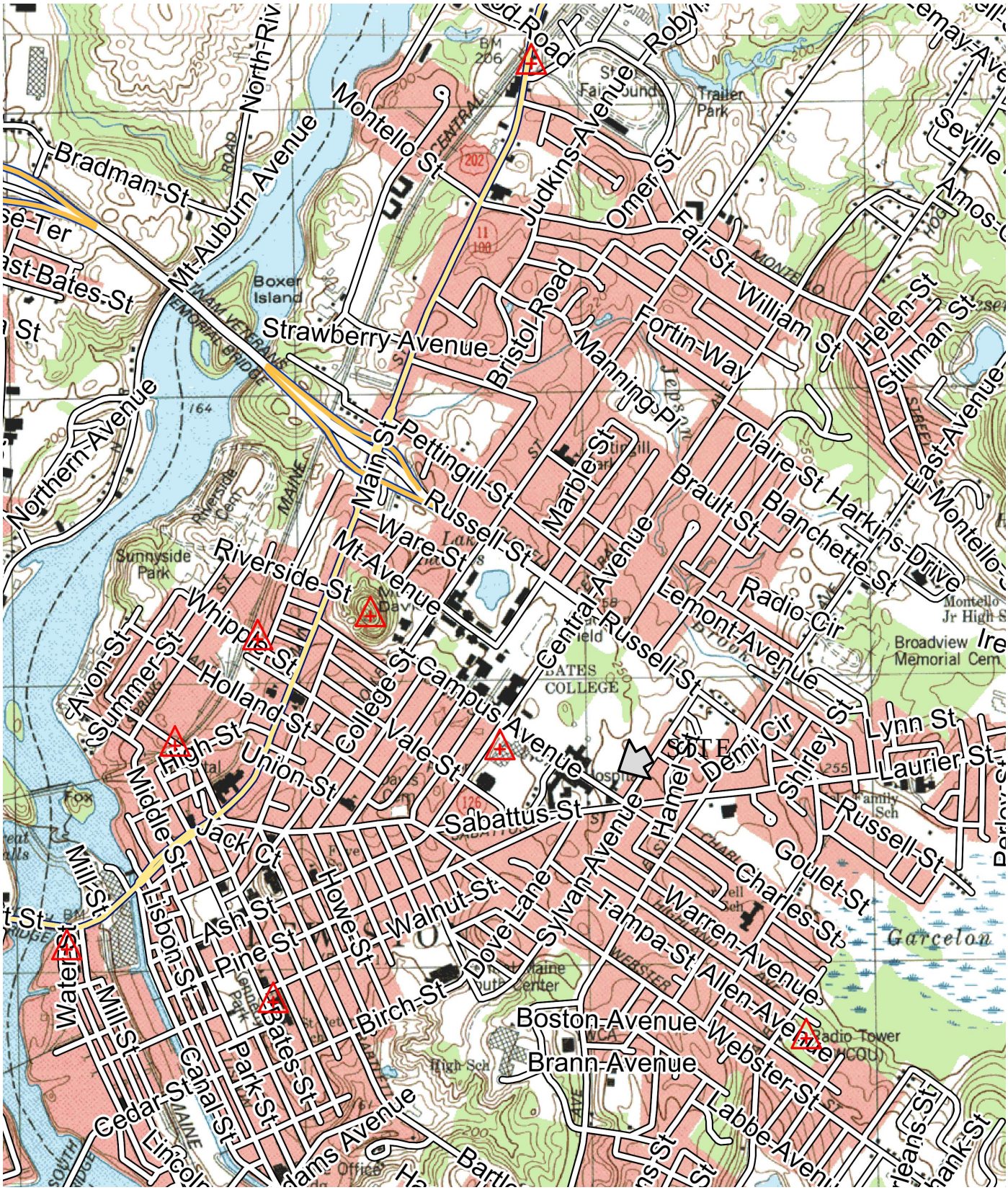
ug/m3 = micrograms per cubic meter

- = No applicable guideline

Bold = Above applicable guideline

FIGURE 1

SITE LOCATION MAP



SOURCE:
U.S.G.S. TOPOGRAPHIC QUADRANGLE
LEWISTON
@ 1:24,000

CES INC

LEBLANC'S CLEANERS
10 LAFAYETTE ST - LEWISTON, ME

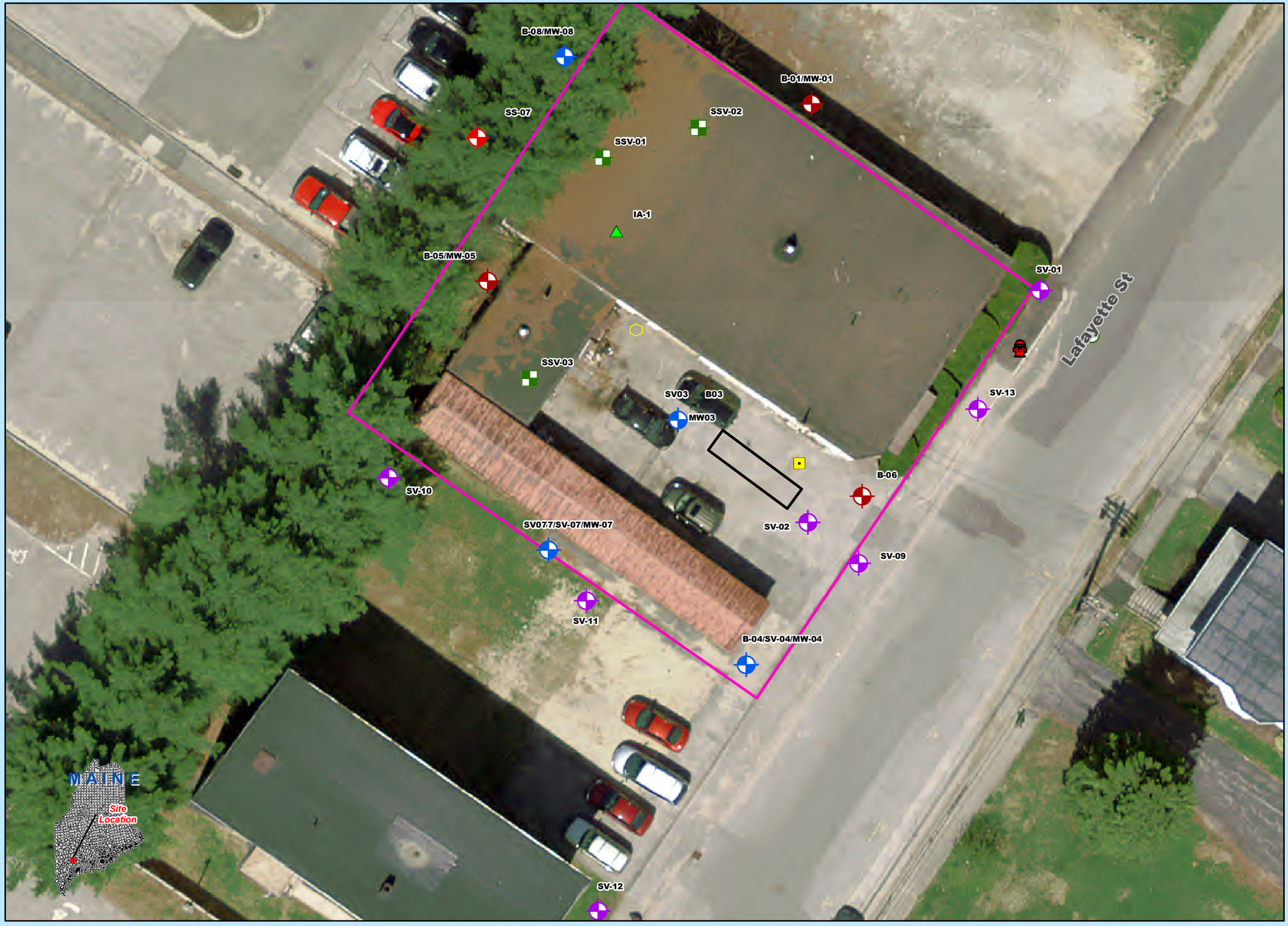
LOCATION MAP

2015-07-20
10193.027

FIGURE 2

SAMPLING PLAN

Sampling Location Plan



N
W E
S
0 5 10 20 Feet

Legend

- SUB-SLAB
- CATCH BASIN
- FIRE HYDRANT
- GEO-PROBE
- INDOOR AIR SAMPLE
- MANHOLE
- MONITORING WELL SOIL
- SOIL GAS SAMPLE
- SOIL GAS SAMPLE/MONITORING WELL/SOIL SAMPLE
- SOIL SAMPLE
- UNDERGROUND STRUCTURE
- SUBJECT PROPERTY
- TANK

LeBlanc's Cleaners
10 Lfayette Street
Lewiston, ME
Maine Dept. of Env. Protection
Project No.: 10193.027
Updated: 10/27/2015 [lladd]

MAP NOTES:

1: BASE MAP AERIAL IMAGES ARE AUGUST, 2013 1-METER ORTHOIMAGERY COLLECTED THROUGH THE NATIONAL AERIAL IMAGERY PROGRAM (NAIP), ACQUIRED VIA ESRI ONLINE, 2015.

2: MAP IS PROJECTED USING THE UNIVERSAL TRANSVERSE MERC-ATOR (UTM) PROJECTION WITH HORIZONTAL UNITS OF METERS AND REFERENCES THE NORTH AMERICAN DATUM OF 1983 (NAD83).

3: NORTH ARROW IS REFERENCED TO GRID NORTH.

4: PARCELS & ROAD NAME (NG 911) DATA COURTESY OF MEGIS (2015).

5: SAMPLING DATA AND SITE STRUCTURES COURTESY OF THE MAINE DEPARTMENT OF ENVIRON-MENTAL PROTECTION (MEDEP).

CES INC
Engineers • Environmental Scientists • Surveyors

MXD: D:\10193-MEDEP_Augusta\027_RFP #2 Phs II Leblanc Cleaners Lewiston\07-GIS_Data\MXD\Sampling Location Plan.mxd

APPENDIX A

SOIL BORING LOGS AND SAMPLING SHEETS

CES INC
640 Main Street
Lewiston, Maine 04240

SOIL BORING LOG

Boring #: B-01
Project: LeBlanc's Cleaners
Project #: 10193.027
Location: 10 Lafayette St. Lewiston, ME
Sheet:
Chkd by:

Drilling Co: EPI
Personnel: PEARSON / WOODARD
CES Staff: HARDEN / SCHWEIER
Boring Location: End of the main building
Elevation:
Date started: 7/28/15 Date Completed: 7/28/15

DRILLING METHOD		SAMPLER	
Vehicle:	GEOPROBE	Type:	
Model:	6620 DT	Hammer:	
Method:		Fall:	

ESTIMATED GROUND WATER DEPTH

Date	Depth	Reference	Groundwater Elevation
		Ex. Grade	
		Top of PVC	

Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION	Stratum	Field Screening (ppmv)
	1	48/8	0-4		0-8" light BROWN MED-FINE SAND LOOSE ROCKY (FILL)		0-4' 3.7
2							
4	2	48/48	4-8		0-48" BLUE/BROWN MOTTLED CLAY STIFF DRY		4-6' 0.0
6							6-8' 40.7 → SOIL SAMPLE @ 14:28
8	3	48/48	8-12		0-22" AS ABOVE 22-44" GRAY DAMP CLAY SOFT 44-48" GRAY DAMP CLAY VERY SOFT		8-10' 0.0
10							10-12' 0.0
12	4	30/28	12-14.5		0-28" GRAY MED.-FINE SAND CLAYEY ROCKY SATURATED @ 13 FT.		12-14.5' 0.0
14							
	REFUSAL @ 14.5'						
16							
18							
20							

Granular Soils		Cohesive Soils		% Composition	
Blows/ft.	Density	Blows/ft.	Consistency		
0-4	V. Loose	<2	V. soft		
4-10	Loose	2-4	Soft	<5%	trace
10-30	Compact	4-8	Firm	5-15	little
30-50	Dense	8-15	Stiff	15-25	some
>50	V. Dense	15-30	V. Stiff	>25	and
		>30	Hard		

NOTES: MONITORING WELL (MW-01) INSTALLED WITH 5 FT. SCREEN. WATER SAMPLE @ 14:42
1. Field screening results in parts per million by volume (ppmv).

WATER LEVEL 9.22'
WELL DEPTH 14.75'

CES INC
640 Main Street
Lewiston, Maine 04240

SOIL BORING LOG

Boring #: B-02
Project: LEBLANC'S CLEANING
Project #: 10193.027
Location: 10 LAFAYETTE ST. LEWISTON, ME
Sheet:
Chkd by:

Drilling Co: EPI
Personnel: PEARSON | NODARD
CES Staff: HARDEN | SCHWEITER

Boring Location: PARKING LOT BETWEEN METAL SHED & BUILDING CLOSER TO THE ROAD
Elevation:
Date started: 7/28/15 Date Completed: 7/28/15

DRILLING METHOD		SAMPLER	
Vehicle:	GEOPROBE	Type:	
Model:	6620 DT	Hammer:	
Method:		Fall:	

ESTIMATED GROUND WATER DEPTH

Date	Depth	Reference	Groundwater Elevation
		Ex. Grade	
		Top of PVC	

Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION	Stratum	Field Screening (ppmv)
	1	48/23	0-4		0-4" BROWN MED.-FINE SAND 3-4" BLACK MED-FINE SAND WITH FEW ROCKS 4-23" BLUE/GRAY CLAY DRY DENSE		0-2' 0.0 2-4' 0.0
2							
4	2	48/48	4-8		0-48" AS ABOVE		4-6' 4.2 6-8' 48.8 → SOIL SAMPLE @ 11:58
6							
8	3	30/15	8-9.5		0-12" AS ABOVE 12-15" ROCK CRUSHED WHITE		8-10' 0.0 10-12' 0.0
10		REFUSAL @ 9.5'					
12							
14							
16							
18							
20							

Granular Soils		Cohesive Soils		% Composition	
Blows/ft.	Density	Blows/ft.	Consistency		
0-4	V. Loose	<2	V. soft		
4-10	Loose	2-4	Soft	<5%	trace
10-30	Compact	4-8	Firm	5-15	little
30-50	Dense	8-15	Stiff	15-25	some
>50	V. Dense	15-30	V. Stiff	>25	and
		>30	Hard		

NOTES: NO MONITORING WELL INSTALLED
VAPOR POINT (SV-02) @ 2.5 - 3.5 FT.

1. Field screening results in parts per million by volume (ppmv).

CES INC
640 Main Street
Lewiston, Maine 04240

SOIL BORING LOG

Boring #: B-03
Project: LEBLANC'S CLEANING
Project #: 10193.027
Location: 10 LAFAYETTE ST. LEWISTON, ME
Sheet:
Chkd by:

Drilling Co: EPI
Personnel: PEARSON | WOODARD
CES Staff: HARDEN | SCHWEIER
Boring Location: PARKING LOT BETWEEN METAL SHED & BUILDING
Elevation:
Date started: 7/28/15 Date Completed: 7/28/15

DRILLING METHOD		SAMPLER	
Vehicle:	GEOPROBE	Type:	
Model:	66 DT	Hammer:	
Method:		Fall:	

ESTIMATED GROUND WATER DEPTH

Date	Depth	Reference	Groundwater Elevation
		Ex. Grade	
		Top of PVC	

Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION	Stratum	Field Screening (ppmv)
0	1	48/21	0-4		0-5" BLACK MED-FINE SAND DAMP PERC ODOR @ 4-5"		0-2' 0.0
2					0-21" BLUE/GREEN CLAY DENSE DRY		2-4' 200
4	2	48/48	4-8		0-48" AS ABOVE		4-6' 400 → SOIL SAMPLE @ 10:40
6							6-8' 0.0
8	3	48/44	8-12		0-10" AS ABOVE		8-10' 0.0
10					10-18" AS ABOVE, SOFT		10-12' 0.0
					18-38" BLUE/GRAY CLAY SOFT DAMP		
12					38-44" GRAY MED SAND DAMP LOOSE FEW ROCKS		
	4	36/21	12-15		0-21" GRAY MED. SAND LOOSE SATURATED FEW ROCKS		12-15' 0.0
14							
16	REFUSAL @ 15'						
18							
20							

Granular Soils		Cohesive Soils		% Composition	
Blows/ft.	Density	Blows/ft.	Consistency		
0-4	V. Loose	<2	V. soft		
4-10	Loose	2-4	Soft	<5%	trace
10-30	Compact	4-8	Firm	5-15	little
30-50	Dense	8-15	Stiff	15-25	some
>50	V. Dense	15-30	V. Stiff	>25	and
		>30	Hard		

NOTES: MONITORING WELL (MW-03) INSTALLED WITH 5FT. SCREEN
WATER SAMPLE @ 11:32
1. Field screening results in parts per million by volume (ppmv).
VAPOR POINT (SV-03) @ 2.5-3.5FT.

WATER LEVEL 9.05'
WELL DEPTH 16.7'

CES INC
640 Main Street
Lewiston, Maine 04240

SOIL BORING LOG

Boring #: B-04
Project: LEBLANC'S CLEANING
Project #: 10193.027
Location: 10 LAFAYETTE ST LEWISTON, ME
Sheet:
Chkd by:

Drilling Co: EPI
Personnel: PEARSON | WOODARD
CES Staff: HARDEN | SCHWEIER
Boring Location: CORNER OF THE METAL SHED (CLOSER TO THE ROAD)
Elevation:
Date started: 7/28/15 Date Completed: 7/28/15

DRILLING METHOD		SAMPLER	
Vehicle:	GEOPROBE	Type:	
Model:	66 DT	Hammer:	
Method:		Fall:	

ESTIMATED GROUND WATER DEPTH

Date	Depth	Reference	Groundwater Elevation
		Ex. Grade	
		Top of PVC	

Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION	Stratum	Field Screening (ppmv)
	1	48/18	0-4		0-4" BROWN MED. SAND/TRACE OF ASPHALT (FILL)		0-2' 15.5
2					4-18" CLAY/SANDY (7-9") DENSE DAMP		2-4' 31.8
4	2	48/46	4-8		0-26" CLAY GREEN/BROWN DENSE MOTTLE		4-6' 12.7
6					26-46" AS ABOVE, DAMP		6-8' 0.0
8	3	48/39	8-12		0-39" AS ABOVE		8-10' 0.0
10							10-12' 0.0
12	4	48/26	12-16		0-26" GRAY SANDY CLAY SOFT DAMP SATURATED @ 15'		12-14' 0.0
14							14-16' 0.0
16	5	30/9	16-18.5		0-9" GRAY SAND MED-FINE LOOSE SATURATED FEW ROCKS		16-18.5' 0.0
18							
	REFUSAL @ 18.5'						
20							

Granular Soils		Cohesive Soils		% Composition	
Blows/ft.	Density	Blows/ft.	Consistency		
0-4	V. Loose	<2	V. soft		
4-10	Loose	2-4	Soft	<5%	trace
10-30	Compact	4-8	Firm	5-15	little
30-50	Dense	8-15	Stiff	15-25	some
>50	V. Dense	15-30	V. Stiff	>25	and
		>30	Hard		

NOTES: WELL INSTALLED (MW-04) WITH 5FT. SCREEN
WATER SAMPLE @ 11:06
1. Field screening results in parts per million by volume (ppmv).
NO SOIL SAMPLE
VAPOR POINT (SV-04) @ 2.5 - 3.5 FT.

WATER LEVEL 8.15'
WELL DEPTH 19.5'

CES INC
640 Main Street
Lewiston, Maine 04240

SOIL BORING LOG

Boring #: B-05
Project: LEBLANC'S CLEANING
Project #: 10193.027
Location: 10 LAFAYETTE ST. LEWISTON, ME
Sheet:
Chkd by:

Drilling Co: EPI
Personnel: PEARSON | WOODARD
CES Staff: HARDEN | SCHWEIER
Boring Location: BACK OF THE GARAGE
Elevation:
Date started: 7/28/15 Date Completed: 7/28/15

DRILLING METHOD		SAMPLER	
Vehicle:	GEOPROBE	Type:	
Model:	66DT	Hammer:	
Method:		Fall:	

ESTIMATED GROUND WATER DEPTH

Date	Depth	Reference	Groundwater Elevation
		Ex. Grade	
		Top of PVC	

Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION	Stratum	Field Screening (ppmv)
	1	48/6	0-4		0-6" LIGHT BROWN FINE SILTY SAND ROOTS PERC ODOR		0-4' 170 → SOIL SAMPLE @ 13:23
2							
4	2	12/7	4-5		0-7" DARK GRAY SILTY SATURATED SOUPY STRONG PERC ODOR		4-5' 1,670
6	REFUSAL @ 5'						
8							
10							
12							
14							
16							
18							
20							

Granular Soils		Cohesive Soils		% Composition	
Blows/ft.	Density	Blows/ft.	Consistency		
0-4	V. Loose	<2	V. soft		
4-10	Loose	2-4	Soft	<5%	trace
10-30	Compact	4-8	Firm	5-15	little
30-50	Dense	8-15	Stiff	15-25	some
>50	V. Dense	15-30	V. Stiff	>25	and
		>30	Hard		

NOTES: TROY SMITH (MDEP) COLLECTED VAPOR SAMPLE (SV-05) WITH HAND TOOLS DUE TO SHALLOW WATER
1. Field screening results in parts per million by volume (ppmv).
WELL INSTALLED (MW-05) WITH 5 FT. SCREEN
IT TOOK TWO BAGS OF SAND AND WOULD TAKE MORE - IT SEEM TO BE A VOID
WATER HAD STRONG PERC ODOR
WATER WASN'T TURBID LIKE THE REST OF THE WELLS

WATER LEVEL 4.61'
WELL DEPTH 7.65'

WATER SAMPLE @ 13:48

CES INC
640 Main Street
Lewiston, Maine 04240

SOIL BORING LOG

Project: LEBLANC'S CLEANING
Location: 10 LAFAYETTE ST. LEWISTON, ME

Boring #: B-06
Project #: 10193.027
Sheet:
Chkd by:

Drilling Co: EPI
Personnel: PEARSON | WOODARD
CES Staff: HARDEN | SCHWEILER

Boring Location: IN FRONT OF THE ENTRANCE DOOR
Elevation:
Date started: 7/28/15 Date Completed: 7/28/15

DRILLING METHOD		SAMPLER	
Vehicle:	GEOPROBE 66 DT	Type:	
Model:		Hammer:	
Method:		Fall:	

ESTIMATED GROUND WATER DEPTH

Date	Depth	Reference	Groundwater Elevation
		Ex. Grade	
		Top of PVC	

Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION	Stratum	Field Screening (ppmv)
	1	48/21	0-4		0-4" MED. SAND FEW ROCKS BROWN 4-8" CLAY BROWN DRY DENSE 8-9" MED. SAND BLACK LOOSE 9-21" CLAY BLACK/GREEN DRY DENSE		0-2' 0.0 2-4' 0.0
2							
4	2	48/48	4-8		0-48" AS ABOVE		4-6' 0.0 6-8' 0.0
6							
8	3	48/48	8-12		0-24" AS ABOVE 24-48" GRAY SANDY CLAY SOFT DAMP		8-10' 0.0 10-12' 0.0
10							
12	4	36/14	12-15		0-14" GRAY MED SAND CLAYEY ROCKY SATURATED @ 15'		12-15' 0.0
14							
16	REFUSAL @ 15'						
18							
20							

Granular Soils		Cohesive Soils		% Composition	
Blows/ft.	Density	Blows/ft.	Consistency		
0-4	V. Loose	<2	V. soft		
4-10	Loose	2-4	Soft	<5%	trace
10-30	Compact	4-8	Firm	5-15	little
30-50	Dense	8-15	Stiff	15-25	some
>50	V. Dense	15-30	V. Stiff	>25	and
		>30	Hard		

NOTES:

1. Field screening results in parts per million by volume (ppmv).

CES INC
640 Main Street
Lewiston, Maine 04240

SOIL BORING LOG

Boring #: B-07
Project: LEBLANC'S CLEANING
Project #: 10193.027
Location: 10 LAFAYETTE ST. LEWISTON, ME
Sheet:
Chkd by:

Drilling Co: EPI
Personnel: PEARSON | WOODARD
CES Staff: HARDEN | SCHWEITER
Boring Location: SOUTH OF METAL SHED / AT THE END OF ASPHALT STRIP
Elevation:
Date started: 7/28/15 Date Completed: 7/28/15

DRILLING METHOD		SAMPLER	
Vehicle:	GEOPROBE	Type:	
Model:	66 DT	Hammer:	
Method:		Fall:	

ESTIMATED GROUND WATER DEPTH

Date	Depth	Reference	Groundwater Elevation
		Ex. Grade	
		Top of PVC	

Depth (ft.)	No.	Pen/Rec (in)	Depth (ft)	Blows/6 in.	SAMPLE DESCRIPTION	Stratum	Field Screening (ppmv)
	1	48/11	0-4		0-10" LIGHT BROWN FINE SAND LOOSE DRY ORGANIC 10-11" BROWN MED. SAND SOME CLAY LOOSE SATURATED		0-4' 0.0
2							
4	2	48/27	4-8		0-2" AS ABOVE 2-27" GRAY MED-FINE SAND CLAYEY ROCKY SOFT SATURATED ODOR		4-6' 499 → SOIL SAMPLE @15:08 6-8' 315
6							
8	3	48/38	8-12		0-28" AS ABOVE 28-38" GRAY SANDY SILT ROCKY SATURATED		8-10' 0.0 10-12' 0.0
10							
12	4	30/16	12-14.5		0-8" AS ABOVE 8-16" GRAY CLAY SANDY FIRM FEW ROCKS SATURATED		12-14.5' 0.0
14							
16	REFUSAL @ 14.5'						
18							
20							

Granular Soils		Cohesive Soils		% Composition	
Blows/ft.	Density	Blows/ft.	Consistency		
0-4	V. Loose	<2	V. soft		
4-10	Loose	2-4	Soft	<5%	trace
10-30	Compact	4-8	Firm	5-15	little
30-50	Dense	8-15	Stiff	15-25	some
>50	V. Dense	15-30	V. Stiff	>25	and
		>30	Hard		

NOTES: WELL INSTALLED (MW-07) WITH 10 FT. SCREEN
WATER SAMPLE @ 15:27
1. Field screening results in parts per million by volume (ppmv).
TROY SMITH (MDEP) COLLECTED VAPOR SAMPLE (SV-07) WITH HAND TOOLS

WATER LEVEL 6.30'

WELL DEPTH 14.5'

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SOIL BORING LOG

Page 1 of

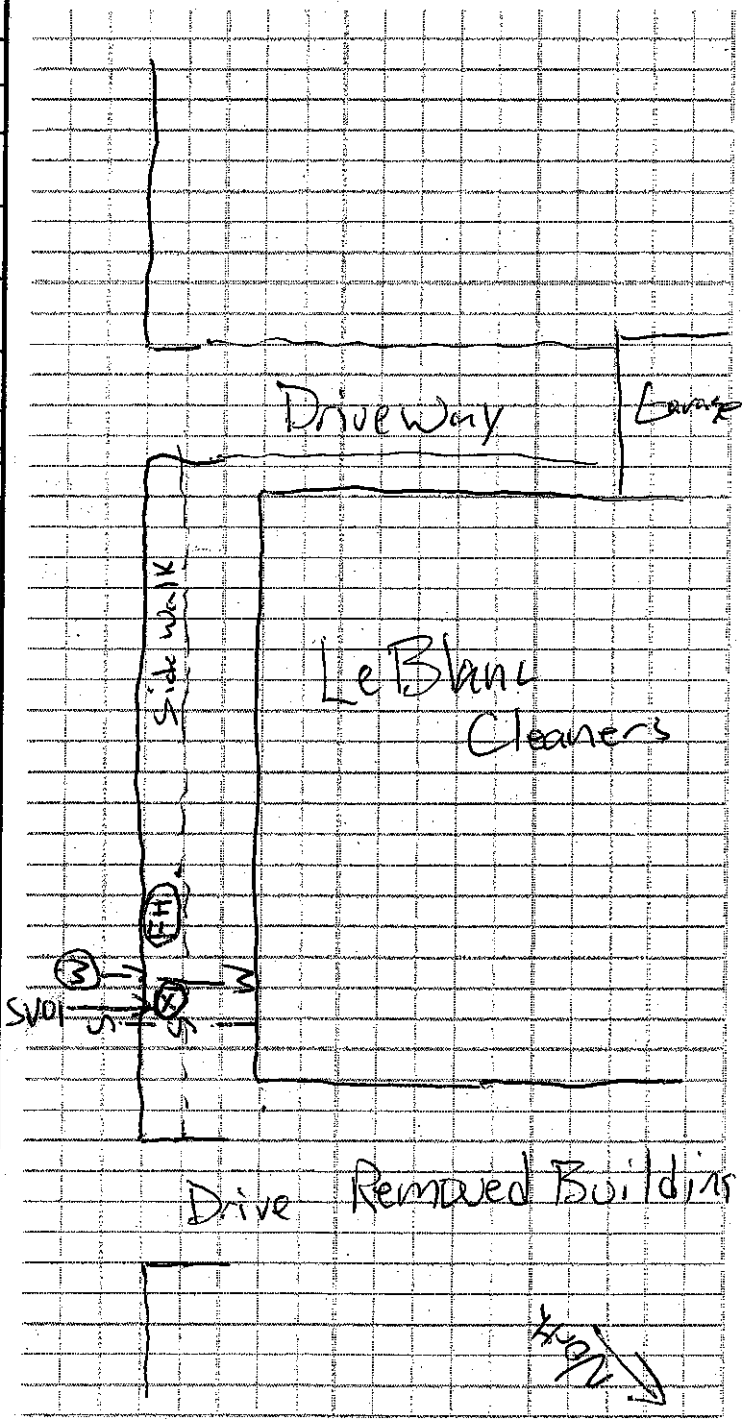
Project: Le Blanc Cleaners	**Project No:**	**Date:** 9.2-15	
Boring: B-8	**Driller:** EPI / Jace	**Geologist:** VEH	**Notes:**

Depth (ft)	Recovered Profile (in)	Description of Soils	Comments	PID (ppm)
0-4	23"	0-8" = brn fss, loose, dry, organic 8-23" = Gray Cl, silty, soft, damp	sample (0-2) @ 0940	0-2 = 102 2-4 = 4.1
4-8	30"	0-20 = as above, damp to 20-20 = brn m-c sand, rocky, ~~sat.~~ Wet	sample (6-8) @ 0950	4-6 = 2.3 6-8 = 77.6
8-12	18"	0-6" = as above 6"-18" = m-c sand, rocky, sat. well set @ 12' 5' scrn, 10' riser, sand to surface		8-10 = 23.6 10-12 = 8.8

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc Cleaners
Town:	Lewiston
Date:	7/28/15
Sample I.D.:	SV-01
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	TTS
Project Manager	J. Cressey / B. Blais
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	2.1'
Depth to Water:	—
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	370
Flow Control I.D.:	0656
Flow control rate:	—
O_2 Ambient	20.9%
CO_2 Ambient	150PPM
subsurface pressure/vacuum	— (+/- inches of water column)
Pre-Sample: O_2	18.4%
Pre-Sample CO_2 :	>10,000
Pre-Sample PID:	3,300 ppb
Pre-Sample CH_4:	3% LEL (% Volume, %LEL, PPM)
Sample Initiation Time:	1:16
Initial Vacuum:	-29.16
Sample End Time:	1:46
Final Vaccum:	-4.44
Post Sample O_2 :	18.7%
Post Sample CO_2:	>10,000

Sample Location Sketch



Notes: Ambient PID = 1200 ppb
LEL = 2% post Sample

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc's Cleaners
Town:	Lewiston ME
Date:	7/28/2015
Sample I.D.:	SV-02
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	WEH / DES
Project Manager	JKC
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	2.5-3.5'
Depth to Water:	9.5'
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	533
Flow Control I.D.:	404
Flow control rate:	72 ml/min
O_2 Ambient	20.9
CO_2 Ambient	200
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	5.1
Pre-Sample CO_2 :	> 5000
Pre-Sample PID:	23 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	12:25
Initial Vacuum:	-29.55
Sample End Time:	12:55
Final Vaccum:	-4.94
Post Sample O_2 :	0.1
Post Sample CO_2:	> 5000

Sample Location Sketch

Reference the Figure 2

Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc's Cleaners
Town:	Lewiston
Date:	7/28/15
Sample I.D.:	SV-03
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	WEH/DES
Project Manager	JKC
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	2.5 - 3.5'
Depth to Water:	15'
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	402
Flow Control I.D.:	178
Flow control rate:	92 ml/min
O_2 Ambient	19.9
CO_2 Ambient	220
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	8.0
Pre-Sample CO_2 :	>5000 ppm
Pre-Sample PID:	139 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	1110
Initial Vacuum:	-28.77
Sample End Time:	1139
Final Vaccum:	-5.41
Post Sample O_2 :	0.0
Post Sample CO_2:	>5000

Sample Location Sketch

Reference the Figure 2

Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc's Cleaners
Town:	Lewiston, ME
Date:	7/28/2015
Sample I.D.:	SV-04
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	NES / DES
Project Manager	JKC
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3-4'
Depth to Water:	15'
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	282
Flow Control I.D.:	369
Flow control rate:	72 ml/min
O_2 Ambient	20.6
CO_2 Ambient	260 ppm
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	3.4
Pre-Sample CO_2 :	5000 ppm
Pre-Sample PID:	35 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	10:00
Initial Vacuum:	-29.63
Sample End Time:	~~1320~~ 1520
Final Vaccum:	-13.69
Post Sample O_2 :	3.5
Post Sample CO_2:	>60000

Sample Location Sketch

Reference the Figure 2

Notes: Post PID = 28 ppb

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc's Cleaners
Town:	Lewiston
Date:	7/28/2015
Sample I.D.:	SV-07
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	T. Smith
Project Manager	
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	392
Flow Control I.D.:	591
Flow control rate:	90 ml/min
O_2 Ambient	20.9%
CO_2 Ambient	150ppm
subsurface pressure/vacuum	— (+/- inches of water column)
Pre-Sample: O_2	20.5%
Pre-Sample CO_2 :	8390ppm
Pre-Sample PID:	8120 ppb
Pre-Sample CH_4:	3% (% Volume, %LEL, PPM)
Sample Initiation Time:	15:30
Initial Vacuum:	-29.36
Sample End Time:	16:15
Final Vaccum:	— 6.57
Post Sample O_2 :	20.6
Post Sample CO_2:	7550
Post PID	1974

Notes:

Sample Location Sketch

Reference the Figure

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LEBLANC
Town:	LEWISTON
Date:	7-28-15
Sample I.D.:	SSV-01
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	SMITH / CRESSEY
Project Manager	BLAIS
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	4490
Flow Control I.D.:	0138
Flow control rate:	71
O_2 Ambient	20.9%
CO_2 Ambient	200ppm
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	12.2%
Pre-Sample CO_2 :	>10,000
Pre-Sample PID:	6400
Pre-Sample CH_4:	4 (% Volume, %LEL, PPM) ppm
Sample Initiation Time:	11:20
Initial Vacuum:	-29.46
Sample End Time:	11:51
Final Vaccum:	-4.67
Post Sample O_2 :	12.2%
Post Sample CO_2:	>10,000 ppm

Sample Location Sketch

Reference the Figure 2

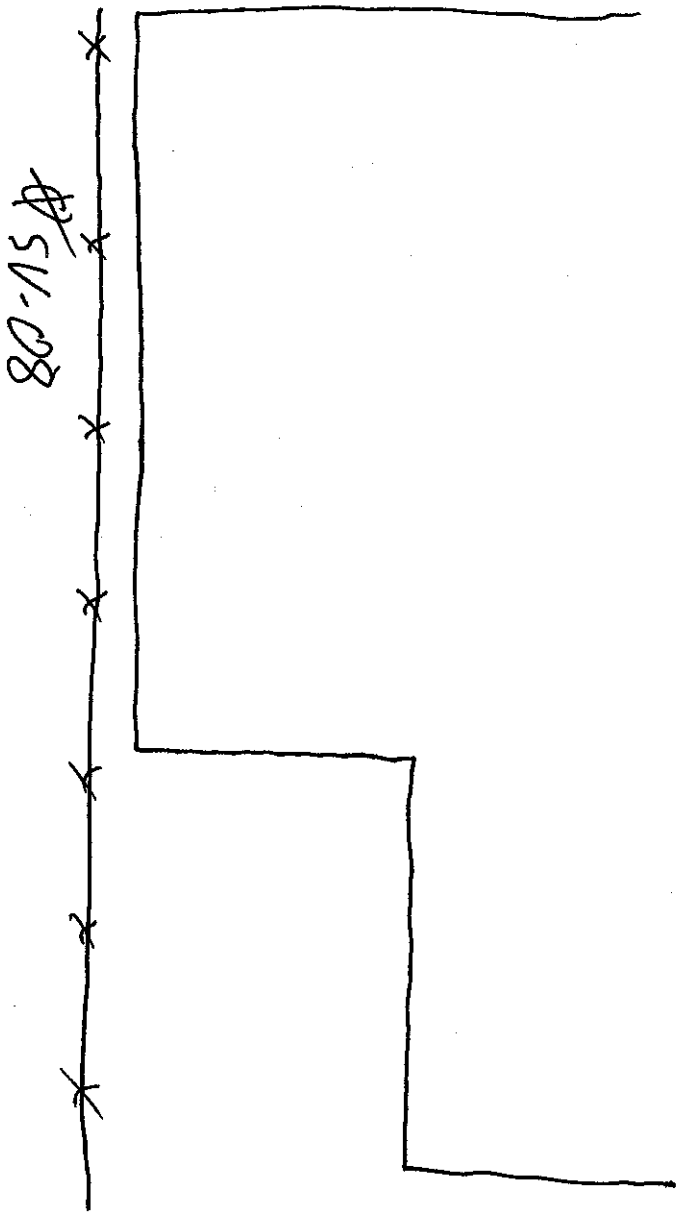
Final PID = 6400 ppm

Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc
Town:	Lewiston
Date:	9.2-15
Sample I.D.:	SV-08
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	VTEH
Project Manager	JKC
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3-3.5'
Depth to Water:	8
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	179
Flow Control I.D.:	138
Flow control rate:	69 mL/min
O_2 Ambient	20.3
CO_2 Ambient	300
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	12.2 ppm %
Pre-Sample CO_2:	710000 ppm
Pre-Sample PID:	45.8 ppm
Pre-Sample CH_4:	4 (% Volume, %LEL, PPM)
Sample Initiation Time:	1034
Initial Vacuum:	-29.45
Sample End Time:	1110
Final Vaccum:	-4.44
Post Sample O_2:	11.1%
Post Sample CO_2:	710000

Sample Location Sketch

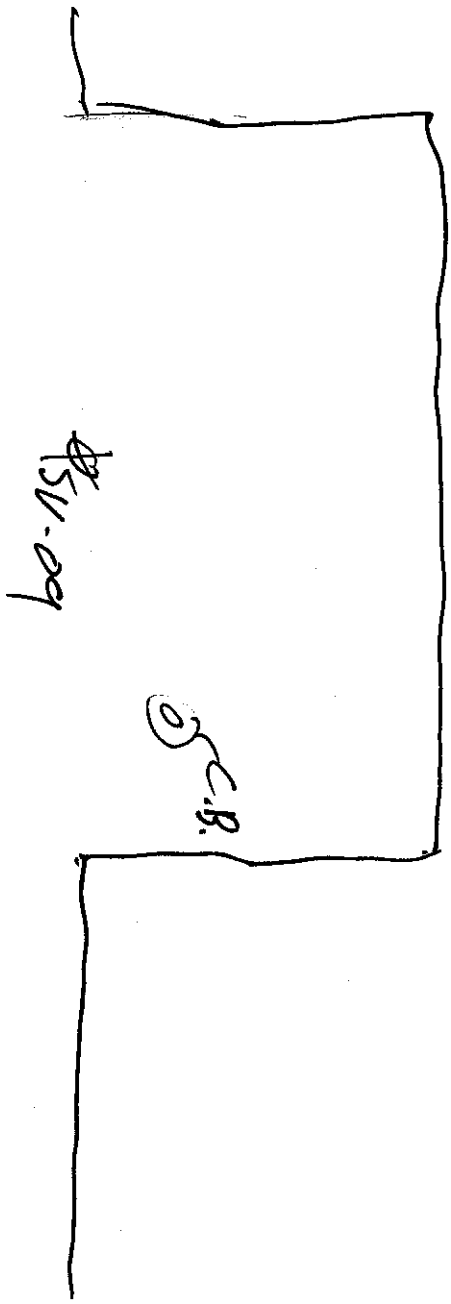


Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc
Town:	Lewiston
Date:	9-2-15
Sample I.D.:	SV-09
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	WEH
Project Manager	SKC
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3-3.5
Depth to Water:	6
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	375
Flow Control I.D.:	326
Flow control rate:	72 mL/min
O_2 Ambient	20.2
CO_2 Ambient	100
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	11.3%
Pre-Sample CO_2 :	>10K
Pre-Sample PID:	1074 ppb
Pre-Sample CH_4:	0 (% Volume %LEL PPM)
Sample Initiation Time:	1225
Initial Vacuum:	-30.07
Sample End Time:	1252
Final Vaccum:	-4.97
Post Sample O_2 :	10.6%
Post Sample CO_2:	>10K ppm

Sample Location Sketch

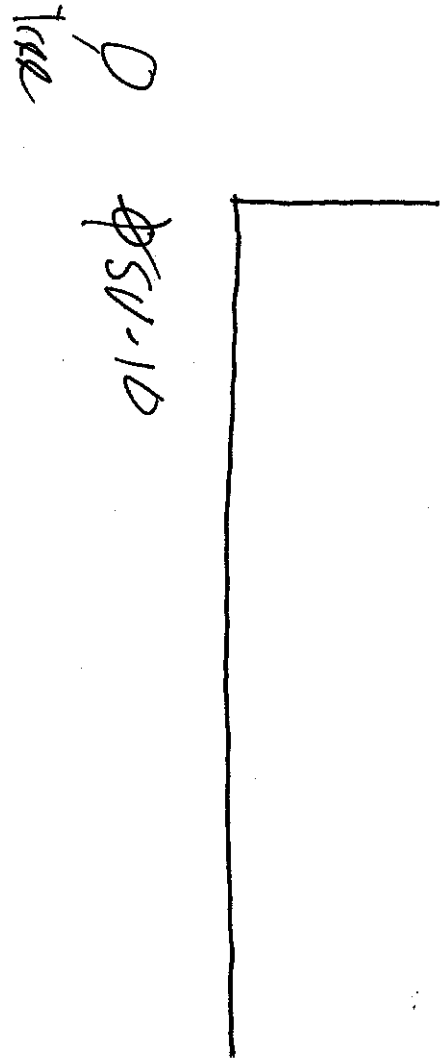


Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc
Town:	Lewiston
Date:	9-2-15
Sample I.D.:	SV-10
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	WEH
Project Manager	JKG
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3-3.5'
Depth to Water:	8'
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	407
Flow Control I.D.:	479
Flow control rate:	22 ml/min
O_2 Ambient	20.1
CO_2 Ambient	150
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	19.7
Pre-Sample CO_2 :	650
Pre-Sample PID:	1575 ppb
Pre-Sample CH_4:	1 (% Volume, %LEL, PPM)
Sample Initiation Time:	1052
Initial Vacuum:	-29.89
Sample End Time:	~~1110~~ 1125
Final Vaccum:	~~-4.66~~ -10.9
Post Sample O_2 :	19.1
Post Sample CO_2:	1750

Sample Location Sketch

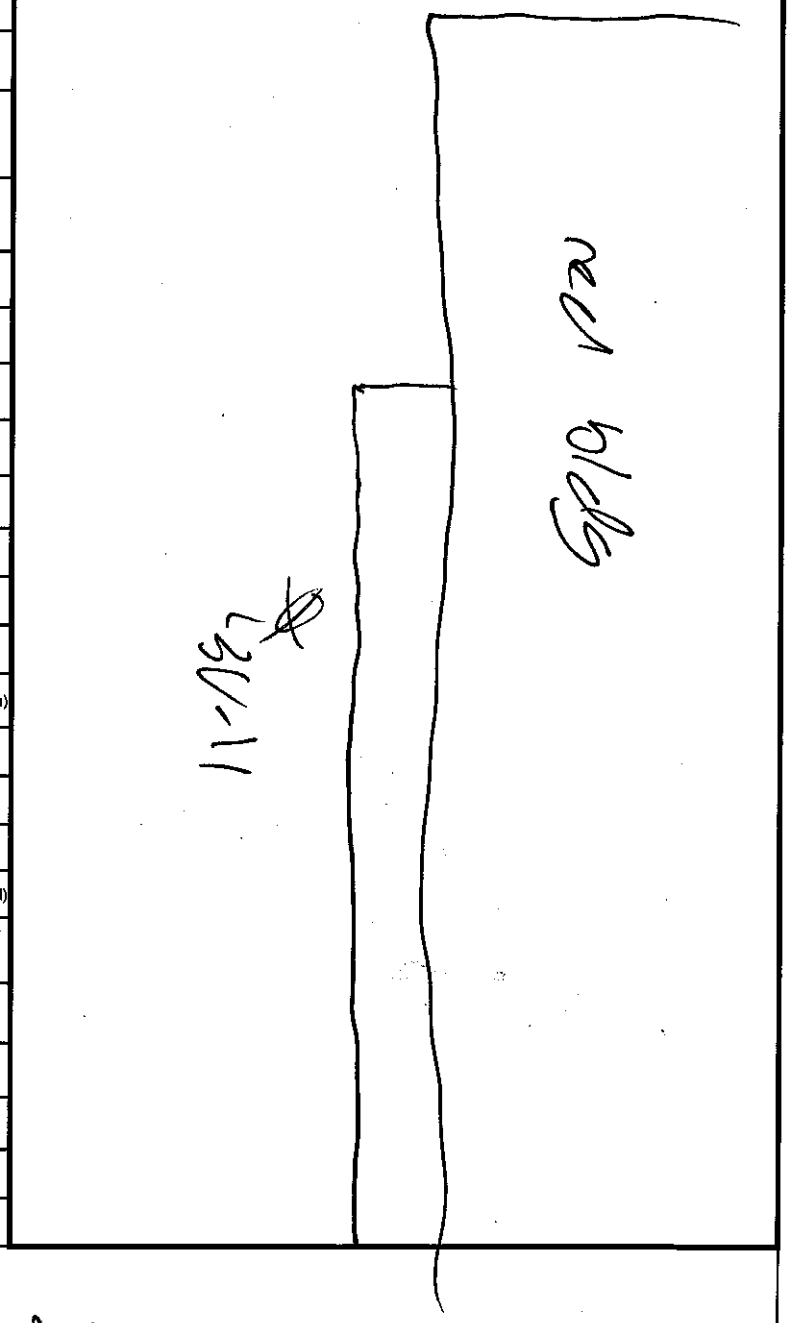


Notes: could not pull @ 3-3.5 (not enough flow for meter) move to ~~2.5-3~~ 2.75-1'10" Mgreen/

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc
Town:	Lewiston
Date:	9.2.15
Sample I.D.:	SV-11
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	WEH
Project Manager	SKC
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	2-2.5
Depth to Water:	6'
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	1734
Flow Control I.D.:	316
Flow control rate:	72 mL/min
O_2 Ambient	20.1
CO_2 Ambient	1.00
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.7
Pre-Sample CO_2 :	710K
Pre-Sample PID:	16.0
Pre-Sample CH_4:	0 (% Volume, %LEL, PPM)
Sample Initiation Time:	1153
Initial Vacuum:	-31.38
Sample End Time:	1405
Final Vaccum:	-18.10
Post Sample O_2 :	17.6
Post Sample CO_2:	710000

Sample Location Sketch

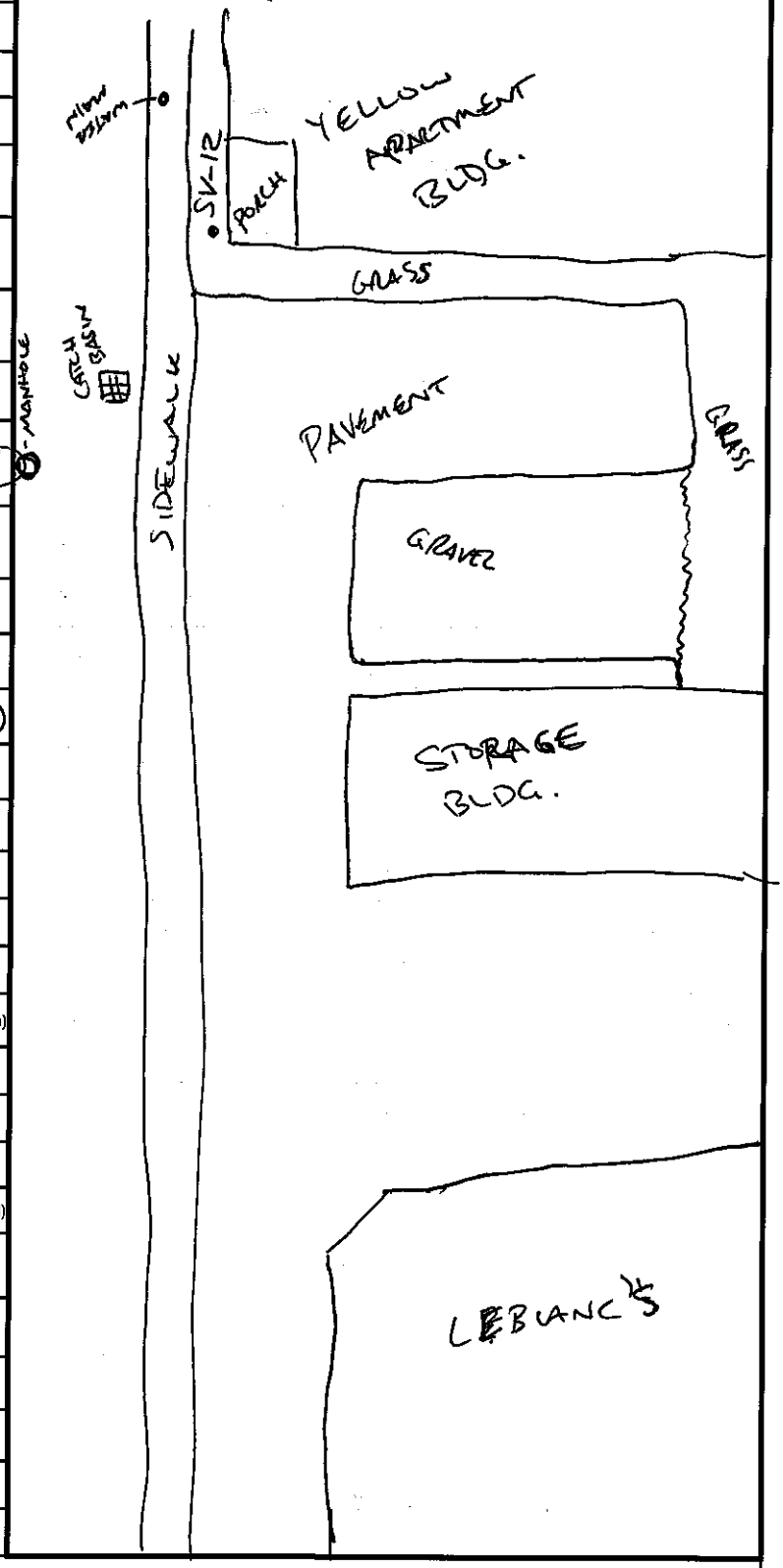


Notes: Pulled up to 2-2.5

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LEBLANC
Town:	LEWISTON
Date:	9-3-15
Sample I.D.:	SV-12
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	CRESSEY
Project Manager	BLAIS
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:	8'
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	475
Flow Control I.D.:	0167
Flow control rate:	72 ml/min
O_2 Ambient	20.9
CO_2 Ambient	0.0
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.5 %
Pre-Sample CO_2 :	1000 ppm
Pre-Sample PID:	11 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	9:40
Initial Vacuum:	-30.19
Sample End Time:	10:15
Final Vaccum:	-9.64
Post Sample O_2 :	17.5 %
Post Sample CO_2:	1000 ppm

Sample Location Sketch

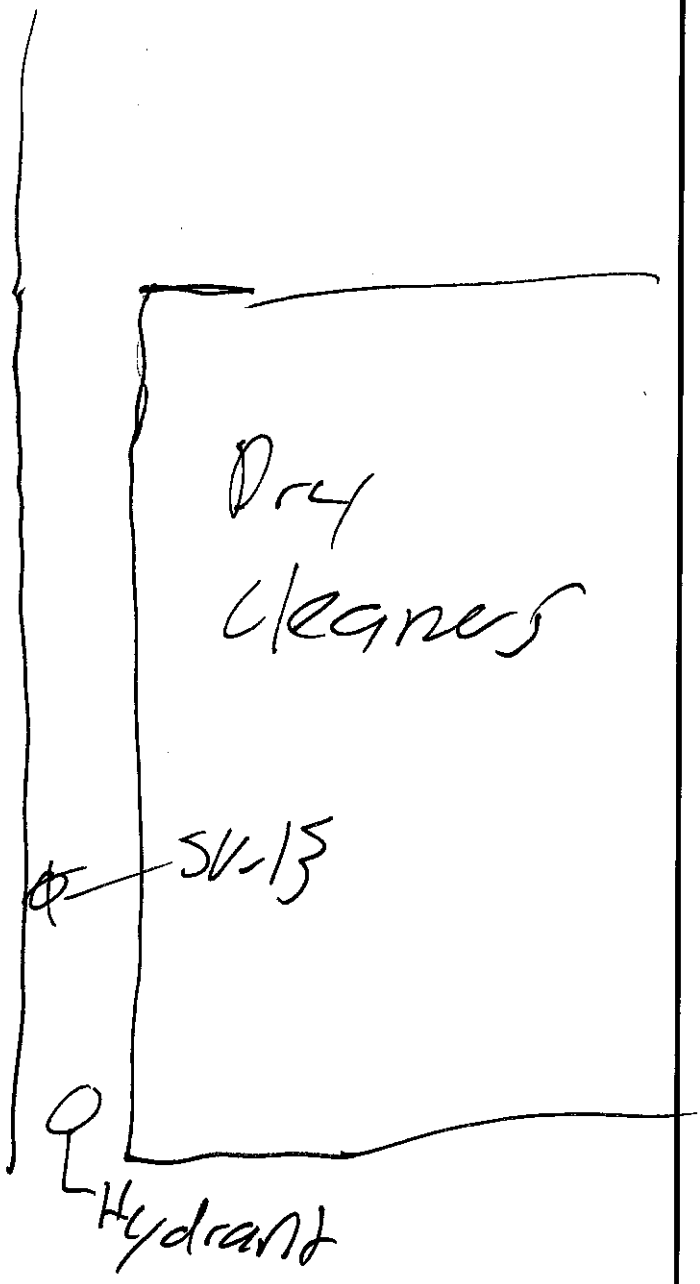


Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	LeBlanc
Town:	Lewiston
Date:	9.2-15
Sample I.D.:	SV-13
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	WEH
Project Manager	JKC
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3-3.5
Depth to Water:	6
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	150
Flow Control I.D.:	3413
Flow control rate:	67mL/min
O_2 Ambient	20.2
CO_2 Ambient	150
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.3
Pre-Sample CO_2 :	40000
Pre-Sample PID:	403005
Pre-Sample CH_4:	0 (% Volume, %LEL, PPM)
Sample Initiation Time:	1320
Initial Vacuum:	-30.14
Sample End Time:	1355
Final Vaccum:	-4.98
Post Sample O_2 :	17.5%
Post Sample CO_2:	>10K ppm

Sample Location Sketch



Notes:

Indoor Air/Subslab Sampling Field Sheet
Maine DEP

Site Name:	Lafayette Clncs
Town:	Lewiston
Date:	2-27-15
Sample I.D.:	IA-01
Project Manager:	JKC
Sampling Personnel:	JKC/LVEH
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Type:	(Subslab) (Indoor Air)
Sampling Location:	Main floor
Foundation Floor Type:	(Dirt) (Concrete)
Foundation Wall Type:	(Concrete) (Block) (Stone) (Brick) (Slab on Grade)
Sump Hole:	(Yes) (No)
Penetrations in Floor:	(Sewer) (Water) (Gas) (Cracks) (Drains)
Penetrations in Wall:	(Sewer) (Water) (Gas) (Electric) (Cracks)
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	758
Flow Control I.D.:	0397
Flow control rate:	3.3 mL/min
O_2 Ambient	20.9
CO_2 Ambient	360
Pre-Sample: O_2	20.9
Pre-Sample CO_2 :	360
Pre-Sample PID:	0
Pre-Sample CH_4:	
Sample Initiation Time:	0930 7/27
Initial Vacuum:	-28.50
Sample End Time:	0905 7/28
Final Vaccum:	-7.03
Post Sample O_2 :	20.9
Post Sample CO_2:	320

Sample Location Sketch

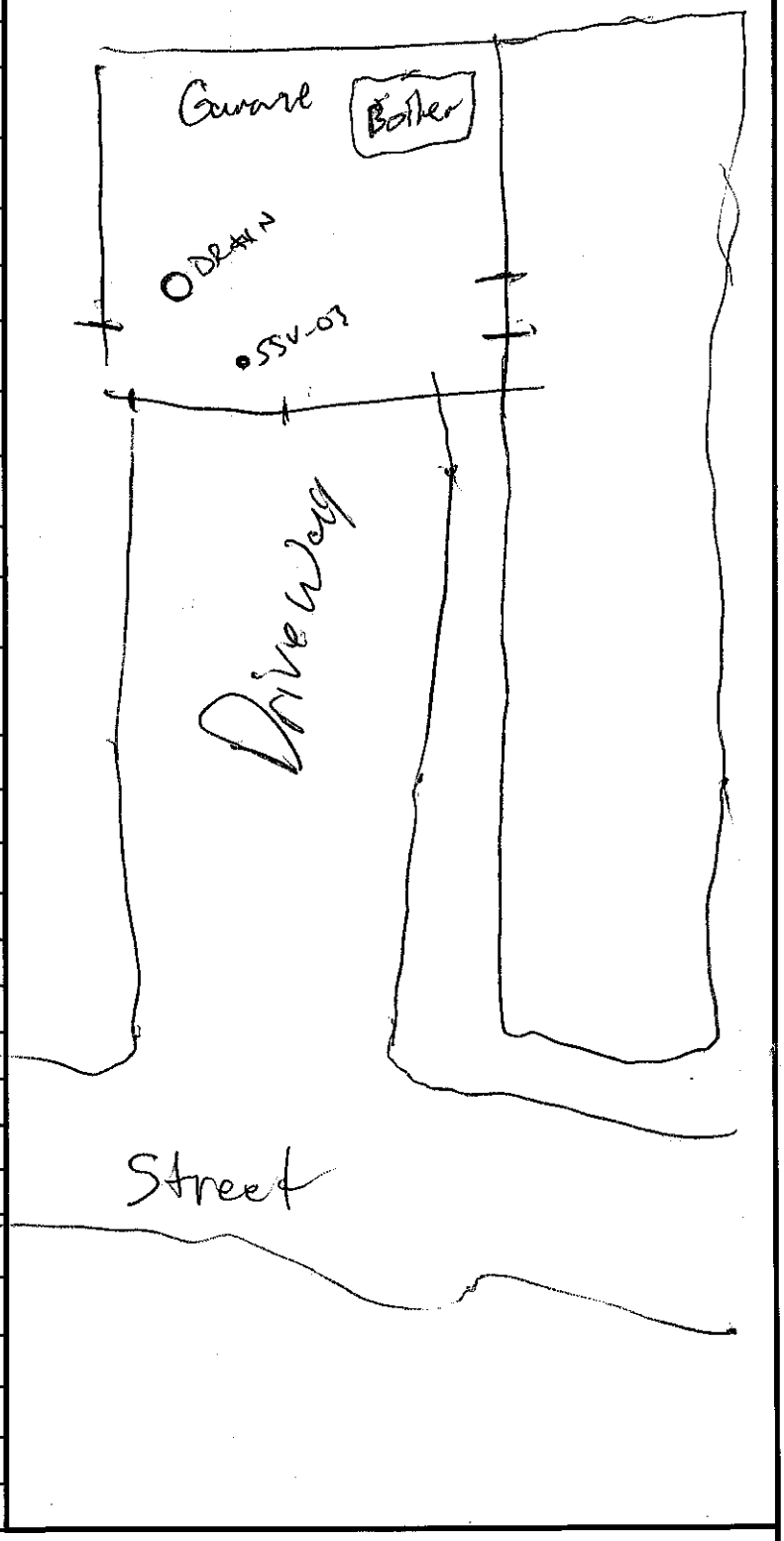
Reference the Figure 2

Notes/Observations:

Indoor Air/Subslab Sampling Field Sheet
Maine DEP

Site Name:	LEBLANC
Town:	LEWISTON
Date:	
Sample I.D.:	SSV-03
Project Manager:	BLAIS
Sampling Personnel:	CRESSEY / SMITH
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Type:	(Subslab) (Indoor Air)
Sampling Location:	Garage
Foundation Floor Type:	(Dirt) (Concrete)
Foundation Wall Type:	(Concrete) (Block) (Stone) (Brick) (Slab on Grade)
Sump Hole:	(Yes) (No)
Penetrations in Floor:	(Sewer) (Water) (Gas) (Cracks) (Drains)
Penetrations in Wall:	(Sewer) (Water) (Gas) (Electric) (Cracks)
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	556
Flow Control I.D.:	0625
Flow control rate:	70
O_2 Ambient	20.9%
CO_2 Ambient	850 ppm
Pre-Sample: O_2	17.1%
Pre-Sample CO_2 :	>10,000%
Pre-Sample PID:	42.86 ppm
Pre-Sample CH_4:	3% LEL
Sample Initiation Time:	1136
Initial Vacuum:	-29.18
Sample End Time:	12:08
Final Vaccum:	-5.75
Post Sample O_2 :	17.0%
Post Sample CO_2:	710,000 ppm

Sample Location Sketch



Notes/Observations:

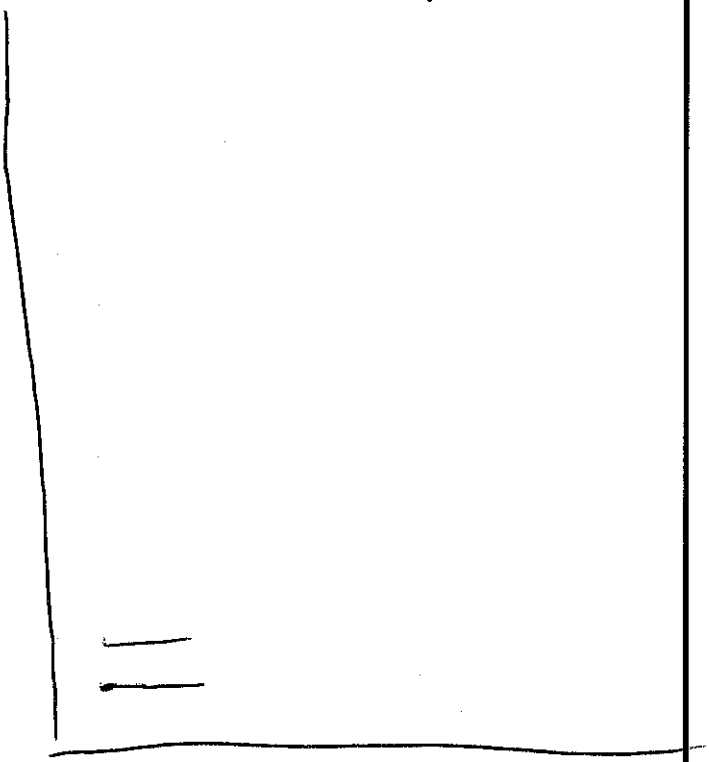
Post PID= 24.45 ppm

Indoor Air/Subslab Sampling Field Sheet
Maine DEP

Site Name:	LEBLANC
Town:	LEWISTON
Date:	7-28-15
Sample I.D.:	SV-02
Project Manager:	BLAIS
Sampling Personnel:	CRESSEY/SMITH
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Type:	(Subslab) (Indoor Air)
Sampling Location:	
Foundation Floor Type:	(Dirt) (Concrete)
Foundation Wall Type:	(Concrete) (Block) (Stone) (Brick) (Slab on Grade)
Sump Hole:	(Yes) (No)
Penetrations in Floor:	(Sewer) (Water) (Gas) (Cracks) (Drains)
Penetrations in Wall:	(Sewer) (Water) (Gas) (Electric) (Cracks)
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	377
Flow Control I.D.:	0209
Flow control rate:	71
O_2 Ambient	20.9%
CO_2 Ambient	250 ppm
Pre-Sample: O_2	7.5%
Pre-Sample CO_2 :	>10,000 ppm
Pre-Sample PID:	10.8 ppm
Pre-Sample CH_4:	1%
Sample Initiation Time:	10:54
Initial Vacuum:	-28.99
Sample End Time:	11:20
Final Vaccum:	-3.38
Post Sample O_2 :	7.4%
Post Sample CO_2:	>10,000

Sample Location Sketch

Reference the Figure 2



Notes/Observations: PID = 171.2 ppm
METHANE 1 % LEL

APPENDIX B

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number:	L1517707
Client:	CES, Inc 640 Main St Lewiston, ME 04240
ATTN:	John Cressey
Phone:	(207) 795-6009
Project Name:	LEBLANC'S CLEANERS
Project Number:	10193.027
Report Date:	08/05/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

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Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517707
Report Date: 08/05/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1517707-01	IA-1	AIR	10 LEFEYETTE ST.	07/28/15 09:25	07/29/15
L1517707-02	SSV-01	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 11:51	07/29/15
L1517707-03	SSV-02	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 11:20	07/29/15
L1517707-04	SSV-03	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 12:08	07/29/15
L1517707-05	SV-01	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 13:46	07/29/15
L1517707-06	SV-02	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 12:55	07/29/15
L1517707-07	SV-03	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 11:39	07/29/15
L1517707-08	SV-04	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 15:20	07/29/15
L1517707-09	SV-07	SOIL_VAPOR	10 LEFEYETTE ST.	07/28/15 16:15	07/29/15

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517707
Project Number: 10193.027 **Report Date:** 08/05/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 27, 2015. The canister certification results are provided as an addendum.

Samples L1517707-01 and -02 were diluted and re-analyzed to quantify the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Samples L1517707-02 through -06 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Samples L1517707-07 through -09: The samples have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

Sample Receipt

The sample designated SSV-02 (L1517707-03) had a RPD for the pre- and post-flow controller calibration check (27% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 71 mL/minute; the final flow rate was 93 mL/minute. The final pressure recorded by the laboratory of the associated canister was -3.9 inches of mercury.

The sample designated SV-04 (L1517707-08) had a RPD for the pre- and post-flow controller calibration check (147% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 72 mL/minute; the final flow rate was 11 mL/minute. The final pressure recorded by the laboratory of the associated canister was -14.6 inches of mercury.

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: 08/05/15

AIR

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-01
Client ID: IA-1
Sample Location: 10 LEFEYETTE ST.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 21:25
Analyst: RY

Date Collected: 07/28/15 09:25
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.033	0.020	--	0.084	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	0.067	0.020	--	0.266	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	0.560	0.020	--	2.22	0.079	--		1
1,2-Dichloroethane	0.021	0.020	--	0.085	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Trichloroethene	0.993	0.020	--	5.34	0.107	--		1
Tetrachloroethene	406	0.020	--	2750	0.136	--	E	1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	82		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	83		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-01 D
Client ID: IA-1
Sample Location: 10 LEFEYETTE ST.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/01/15 09:15
Analyst: RY

Date Collected: 07/28/15 09:25
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Tetrachloroethene	780	0.398	--	5290	2.70	--		19.91

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	87		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-02 D
Client ID: SSV-01
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/01/15 00:04
Analyst: RY

Date Collected: 07/28/15 11:51
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	167	--	ND	427	--		8361
1,1-Dichloroethene	ND	167.	--	ND	662	--		8361
trans-1,2-Dichloroethene	744	167	--	2950	662	--		8361
1,1-Dichloroethane	ND	167.	--	ND	676	--		8361
cis-1,2-Dichloroethene	24700	167	--	97900	662	--		8361
1,2-Dichloroethane	ND	167.	--	ND	676	--		8361
1,1,1-Trichloroethane	ND	167.	--	ND	911	--		8361
Trichloroethene	15200	167	--	81700	897	--		8361
Tetrachloroethene	804000	167	--	5450000	1130	--	E	8361

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-02 D2
Client ID: SSV-01
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/01/15 08:31
Analyst: RY

Date Collected: 07/28/15 11:51
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Tetrachloroethene	717000	667	--	4860000	4520	--		33330

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-03 D
Client ID: SSV-02
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/01/15 00:36
Analyst: RY

Date Collected: 07/28/15 11:20
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	3.26	--	ND	8.33	--		162.9
1,1-Dichloroethene	ND	3.26	--	ND	12.9	--		162.9
trans-1,2-Dichloroethene	ND	3.26	--	ND	12.9	--		162.9
1,1-Dichloroethane	ND	3.26	--	ND	13.2	--		162.9
cis-1,2-Dichloroethene	22.5	3.26	--	89.2	12.9	--		162.9
1,2-Dichloroethane	ND	3.26	--	ND	13.2	--		162.9
1,1,1-Trichloroethane	4.07	3.26	--	22.2	17.8	--		162.9
Trichloroethene	82.4	3.26	--	443	17.5	--		162.9
Tetrachloroethene	4220	3.26	--	28600	22.1	--		162.9

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-04 D
Client ID: SSV-03
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 21:57
Analyst: RY

Date Collected: 07/28/15 12:08
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		10
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		10
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		10
cis-1,2-Dichloroethene	23.9	0.200	--	94.8	0.793	--		10
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		10
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Trichloroethene	44.6	0.200	--	240	1.07	--		10
Tetrachloroethene	490	0.200	--	3320	1.36	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	79		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	89		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-05 D
Client ID: SV-01
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 22:29
Analyst: RY

Date Collected: 07/28/15 13:46
Date Received: 07/29/15
Field Prep: Not Specified

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 chloride	ND	0.040	--	ND	0.102	--		2
1,1-Dichloroethene	ND	0.040	--	ND	0.159	--		2
trans-1,2-Dichloroethene	ND	0.040	--	ND	0.159	--		2
1,1-Dichloroethane	ND	0.040	--	ND	0.162	--		2
cis-1,2-Dichloroethene	ND	0.040	--	ND	0.159	--		2
1,2-Dichloroethane	ND	0.040	--	ND	0.162	--		2
1,1,1-Trichloroethane	ND	0.040	--	ND	0.218	--		2
Trichloroethene	0.046	0.040	--	0.247	0.215	--		2
Tetrachloroethene	43.6	0.040	--	296	0.271	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	80		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	79		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-06 D
Client ID: SV-02
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 23:00
Analyst: RY

Date Collected: 07/28/15 12:55
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	80.6	0.100	--	206	0.256	--		5
1,1-Dichloroethene	4.24	0.100	--	16.8	0.396	--		5
trans-1,2-Dichloroethene	40.8	0.100	--	162	0.396	--		5
1,1-Dichloroethane	0.115	0.100	--	0.465	0.405	--		5
cis-1,2-Dichloroethene	159	0.100	--	630	0.396	--		5
1,2-Dichloroethane	ND	0.100	--	ND	0.405	--		5
1,1,1-Trichloroethane	ND	0.100	--	ND	0.546	--		5
Trichloroethene	41.6	0.100	--	224	0.537	--		5
Tetrachloroethene	23.6	0.100	--	160	0.678	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	83		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	95		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-07 D
Client ID: SV-03
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/01/15 01:08
Analyst: RY

Date Collected: 07/28/15 11:39
Date Received: 07/29/15
Field Prep: Not Specified

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 chloride	153	2.45	--	391	6.26	--		122.6
1,1-Dichloroethene	ND	2.45	--	ND	9.71	--		122.6
trans-1,2-Dichloroethene	28.6	2.45	--	113	9.71	--		122.6
1,1-Dichloroethane	ND	2.45	--	ND	9.92	--		122.6
cis-1,2-Dichloroethene	126	2.45	--	500	9.71	--		122.6
1,2-Dichloroethane	ND	2.45	--	ND	9.92	--		122.6
1,1,1-Trichloroethane	ND	2.45	--	ND	13.4	--		122.6
Trichloroethene	26.7	2.45	--	143	13.2	--		122.6
Tetrachloroethene	568	2.45	--	3850	16.6	--		122.6

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	87		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-08 D
Client ID: SV-04
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/01/15 01:40
Analyst: RY

Date Collected: 07/28/15 15:20
Date Received: 07/29/15
Field Prep: Not Specified

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 chloride	15.8	11.3	--	40.4	28.9	--		564.6
1,1-Dichloroethene	ND	11.3	--	ND	44.8	--		564.6
trans-1,2-Dichloroethene	ND	11.3	--	ND	44.8	--		564.6
1,1-Dichloroethane	ND	11.3	--	ND	45.7	--		564.6
cis-1,2-Dichloroethene	11.8	11.3	--	46.8	44.8	--		564.6
1,2-Dichloroethane	1640	11.3	--	6640	45.7	--		564.6
1,1,1-Trichloroethane	ND	11.3	--	ND	61.7	--		564.6
Trichloroethene	ND	11.3	--	ND	60.7	--		564.6
Tetrachloroethene	147	11.3	--	997	76.6	--		564.6

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

SAMPLE RESULTS

Lab ID: L1517707-09 D
Client ID: SV-07
Sample Location: 10 LEFEYETTE ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 23:32
Analyst: RY

Date Collected: 07/28/15 16:15
Date Received: 07/29/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		10
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		10
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		10
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		10
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		10
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Trichloroethene	ND	0.200	--	ND	1.07	--		10
Tetrachloroethene	32.0	0.200	--	217	1.36	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	83		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	81		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 14:58

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): 01-09 Batch: WG807920-4								
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	0.020	--	ND	0.053	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 14:58

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): 01-09 Batch: WG807920-4								
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	0.050	--	ND	0.188	--		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	0.020	--	ND	0.092	--		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-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517707
Report Date: 08/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/31/15 14:58

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): 01-09 Batch: WG807920-4								
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

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517707

Report Date: 08/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG807920-3								
Dichlorodifluoromethane	95		-		70-130	-		25
Chloromethane	89		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	91		-		70-130	-		25
Vinyl chloride	91		-		70-130	-		25
1,3-Butadiene	100		-		70-130	-		25
Bromomethane	90		-		70-130	-		25
Chloroethane	85		-		70-130	-		25
Acetone	96		-		70-130	-		25
Trichlorofluoromethane	94		-		70-130	-		25
Acrylonitrile	86		-		70-130	-		25
1,1-Dichloroethene	92		-		70-130	-		25
Methylene chloride	92		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		-		70-130	-		25
Halothane	102		-		70-130	-		25
trans-1,2-Dichloroethene	84		-		70-130	-		25
1,1-Dichloroethane	92		-		70-130	-		25
Methyl tert butyl ether	92		-		70-130	-		25
2-Butanone	95		-		70-130	-		25
cis-1,2-Dichloroethene	101		-		70-130	-		25
Chloroform	91		-		70-130	-		25
1,2-Dichloroethane	90		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517707

Report Date: 08/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG807920-3								
1,1,1-Trichloroethane	91		-		70-130	-		25
Benzene	91		-		70-130	-		25
Carbon tetrachloride	92		-		70-130	-		25
1,2-Dichloropropane	91		-		70-130	-		25
Bromodichloromethane	96		-		70-130	-		25
1,4-Dioxane	92		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
cis-1,3-Dichloropropene	97		-		70-130	-		25
4-Methyl-2-pentanone	98		-		70-130	-		25
trans-1,3-Dichloropropene	82		-		70-130	-		25
1,1,2-Trichloroethane	93		-		70-130	-		25
Toluene	89		-		70-130	-		25
Dibromochloromethane	89		-		70-130	-		25
1,2-Dibromoethane	91		-		70-130	-		25
Tetrachloroethene	88		-		70-130	-		25
1,1,1,2-Tetrachloroethane	84		-		70-130	-		25
Chlorobenzene	92		-		70-130	-		25
Ethylbenzene	91		-		70-130	-		25
p/m-Xylene	93		-		70-130	-		25
Bromoform	90		-		70-130	-		25
Styrene	93		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517707

Report Date: 08/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG807920-3								
1,1,2,2-Tetrachloroethane	94		-		70-130	-		25
o-Xylene	93		-		70-130	-		25
Isopropylbenzene	92		-		70-130	-		25
4-Ethyltoluene	96		-		70-130	-		25
1,3,5-Trimethylbenzene	92		-		70-130	-		25
1,2,4-Trimethylbenzene	99		-		70-130	-		25
1,3-Dichlorobenzene	103		-		70-130	-		25
1,4-Dichlorobenzene	91		-		70-130	-		25
sec-Butylbenzene	92		-		70-130	-		25
p-Isopropyltoluene	88		-		70-130	-		25
1,2-Dichlorobenzene	97		-		70-130	-		25
n-Butylbenzene	99		-		70-130	-		25
1,2,4-Trichlorobenzene	104		-		70-130	-		25
Naphthalene	105		-		70-130	-		25
1,2,3-Trichlorobenzene	99		-		70-130	-		25
Hexachlorobutadiene	94		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517707
Report Date: 08/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG807920-5 QC Sample: L1517899-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.251	0.297	ppbV	17		25
Chloromethane	0.532	0.550	ppbV	3		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	0.021	ND	ppbV	NC		25
Trichlorofluoromethane	0.214	0.218	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.064	0.065	ppbV	2		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	0.034	0.034	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	2.50	2.55	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517707
Report Date: 08/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG807920-5 QC Sample: L1517899-01 Client ID: DUP Sample					
Carbon tetrachloride	0.073	0.073	ppbV	0	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	0.037	0.037	ppbV	0	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	9.17	9.52	ppbV	4	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	0.462	0.480	ppbV	4	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	1.24	1.27	ppbV	2	25
p/m-Xylene	6.61	6.77	ppbV	2	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.893	0.916	ppbV	3	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	2.94	3.02	ppbV	3	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517707
Report Date: 08/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG807920-5 QC Sample: L1517899-01 Client ID: DUP Sample					
4-Ethyltoluene	0.309	0.318	ppbV	3	25
1,3,5-Trimethylbenzene	0.603	0.619	ppbV	3	25
1,2,4-Trimethylbenzene	1.50	1.57	ppbV	5	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
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	0.823	0.894	ppbV	8	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: LEBLANC'S CLEANERS

Lab Number: L1517707

Project Number: 10193.027

Report Date: 08/05/15

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
L1517707-01	IA-1	0397	#16 AMB	07/24/15	207095		-	-	-	Pass	3.3	3.2	3
L1517707-01	IA-1	758	6.0L Can	07/24/15	207095	L1516642-02	Pass	-28.1	-4.6	-	-	-	-
L1517707-02	SSV-01	0138	#90 SV	07/27/15	206804		-	-	-	Pass	71	68	4
L1517707-02	SSV-01	490	2.7L Can	07/27/15	206804	L1516783-01	Pass	-29.6	-4.5	-	-	-	-
L1517707-03	SSV-02	0209	#90 SV	07/27/15	206804		-	-	-	Pass	71	93	27
L1517707-03	SSV-02	377	2.7L Can	07/27/15	206804	L1516783-01	Pass	-29.6	-3.9	-	-	-	-
L1517707-04	SSV-03	0625	#90 SV	07/27/15	206804		-	-	-	Pass	70	73	4
L1517707-04	SSV-03	556	2.7L Can	07/27/15	206804	L1516634-01	Pass	-29.5	-5.8	-	-	-	-
L1517707-05	SV-01	0656	#30 SV	07/27/15	206804		-	-	-	Pass	72	74	3
L1517707-05	SV-01	370	2.7L Can	07/27/15	206804	L1516783-01	Pass	-29.5	-5.1	-	-	-	-
L1517707-06	SV-02	0404	#30 AMB	07/27/15	206804		-	-	-	Pass	72	74	3
L1517707-06	SV-02	533	2.7L Can	07/27/15	206804	L1516634-01	Pass	-29.6	-6.2	-	-	-	-
L1517707-07	SV-03	0178	#90 SV	07/27/15	206804		-	-	-	Pass	72	73	1
L1517707-07	SV-03	402	2.7L Can	07/27/15	206804	L1516634-01	Pass	-28.7	-6.5	-	-	-	-
L1517707-08	SV-04	0369	#16 SV	07/27/15	206804		-	-	-	Pass	72	11	147

Project Name: LEBLANC'S CLEANERS

Lab Number: L1517707

Project Number: 10193.027

Report Date: 08/05/15

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
L1517707-08	SV-04	282	2.7L CAN	07/27/15	206804	L1516634-01	Pass	-29.6	-14.6	-	-	-	-
L1517707-09	SV-07	0591	#30 SV	07/27/15	206804		-	-	-	Pass	70	68	3
L1517707-09	SV-07	392	2.7L Can	07/27/15	206804	L1516783-01	Pass	-29.6	-0.3	-	-	-	-

Project Name:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/17/15 18:40
Analyst: RY

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

	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
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		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
iso-Propyl Alcohol	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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

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								
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	0.200	--	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
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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-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
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
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

Project Name:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

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								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-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 (C10)	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 (C12)	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

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/17/15 18:40
Analyst: RY

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

	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
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	0.020	--	ND	0.053	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

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								
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	0.050	--	ND	0.188	--		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	0.020	--	ND	0.092	--		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-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		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:

Lab Number: L1516634

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516634-01
Client ID: CAN 185 SHELF 2
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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	99		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140

Project Name:

Lab Number: L1516642

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02
Client ID: CAN 790 SHELF 41
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/17/15 20:16
Analyst: RY

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

	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
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		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
iso-Propyl Alcohol	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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: **Lab Number:** L1516642

Project Number: CANISTER QC BAT **Report Date:** 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02 Date Collected: 07/16/15 18:00

Client ID: CAN 790 SHELF 41 Date Received: 07/17/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
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	0.200	--	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
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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-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
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
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

Project Name:

Lab Number: L1516642

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02
Client ID: CAN 790 SHELF 41
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

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								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: **Lab Number:** L1516642

Project Number: CANISTER QC BAT **Report Date:** 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02 Date Collected: 07/16/15 18:00

Client ID: CAN 790 SHELF 41 Date Received: 07/17/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-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 (C10)	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 (C12)	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

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name:

Lab Number: L1516642

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02
Client ID: CAN 790 SHELF 41
Sample Location:

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	97		60-140

Project Name:

Lab Number: L1516642

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02
Client ID: CAN 790 SHELF 41
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/17/15 20:16
Analyst: RY

Date Collected: 07/16/15 18:00
Date Received: 07/17/15
Field Prep: Not Specified

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								
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	0.020	--	ND	0.053	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: **Lab Number:** L1516642

Project Number: CANISTER QC BAT **Report Date:** 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02 Date Collected: 07/16/15 18:00

Client ID: CAN 790 SHELF 41 Date Received: 07/17/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.050	--	ND	0.188	--		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	0.020	--	ND	0.092	--		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-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		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: **Lab Number:** L1516642

Project Number: CANISTER QC BAT **Report Date:** 08/05/15

Air Canister Certification Results

Lab ID: L1516642-02 Date Collected: 07/16/15 18:00

Client ID: CAN 790 SHELF 41 Date Received: 07/17/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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	95		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name:

Lab Number: L1516783

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01
Client ID: CAN 559 SHELF 3
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/21/15 17:12
Analyst: RY

Date Collected: 07/20/15 18:00
Date Received: 07/21/15
Field Prep: Not Specified

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								
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
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		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
iso-Propyl Alcohol	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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: **Lab Number:** L1516783

Project Number: CANISTER QC BAT **Report Date:** 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01 Date Collected: 07/20/15 18:00

Client ID: CAN 559 SHELF 3 Date Received: 07/21/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
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	0.200	--	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
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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-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
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
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

Project Name:

Lab Number: L1516783

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01
Client ID: CAN 559 SHELF 3
Sample Location:

Date Collected: 07/20/15 18:00
Date Received: 07/21/15
Field Prep: Not Specified

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								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name:

Lab Number: L1516783

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01
Client ID: CAN 559 SHELF 3
Sample Location:

Date Collected: 07/20/15 18:00
Date Received: 07/21/15
Field Prep: Not Specified

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-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-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 (C10)	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 (C12)	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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name:

Lab Number: L1516783

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01
Client ID: CAN 559 SHELF 3
Sample Location:

Date Collected: 07/20/15 18:00
Date Received: 07/21/15
Field Prep: Not Specified

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								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name:

Lab Number: L1516783

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01
Client ID: CAN 559 SHELF 3
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/21/15 17:12
Analyst: RY

Date Collected: 07/20/15 18:00
Date Received: 07/21/15
Field Prep: Not Specified

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								
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	0.020	--	ND	0.053	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Lab Number: L1516783

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01
Client ID: CAN 559 SHELF 3
Sample Location:

Date Collected: 07/20/15 18:00
Date Received: 07/21/15
Field Prep: Not Specified

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								
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	0.050	--	ND	0.188	--		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	0.020	--	ND	0.092	--		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-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		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:

Lab Number: L1516783

Project Number: CANISTER QC BAT

Report Date: 08/05/15

Air Canister Certification Results

Lab ID: L1516783-01
Client ID: CAN 559 SHELF 3
Sample Location:

Date Collected: 07/20/15 18:00
Date Received: 07/21/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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	96		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517707
Report Date: 08/05/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1517707-01A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-03A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-04A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-05A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-06A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-07A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-08A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1517707-09A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	LEBLANC'S CLEANERS	**Lab Number:**	L1517707
Project Number:	10193.027	**Report Date:**	08/05/15

GLOSSARY

Acronyms

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).

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.

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.

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.

NI - Not Ignitable.

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

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.

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.

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

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.

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.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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.

Report Format: Data Usability Report

Project Name:	LEBLANC'S CLEANERS	**Lab Number:**	L1517707
Project Number:	10193.027	**Report Date:**	08/05/15

Data Qualifiers

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.

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.

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: 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**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 7/29/15

ALPHA Job #: L1517787

Client Information

Client: CES Inc.
Address: 640 Main St.
Lewiston, ME 04240
Phone: 207 740 6880
Fax:
Email: JCRESSEY@CES-MAINE.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: LeBlanc's Cleaners
Project Location: 10 Lafayette St.
Project #: 10193.027
Project Manager: JKC
ALPHA Quote #: LeBlanc's 20151043

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	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM (PCH Lsa)	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
1707.01	IA-1	7-27	930	7-28 9:25	-28.50	-5.03	AA	JKC	6L	758	0397		X						
02	SSV-01	7-28	1120	1151	-29.46	-4.67	SV	JKC	2.7L	490	0138		X						
03	SSV-02	7-28	1054	1120	-28.99	-3.38	SV	JKC	2.7L	377	0209		X						
04	SSV-03	7-28	1136	1208	-29.18	-5.75	SV	JKC	2.7L	556	0625		X						
05	SV-01	7-28	13:16	13:46	-29.16	-4.44	SV	T.Smith	2.7L	370	0656		X						
06	SV-02	7/28	12:25	12:55	-29.55	-4.94	SV	WEH/DES	2.7L	533	0404		X						
07	SV-03	7/28	11:10	11:39	-28.77	-5.41	SV	WEH/DES	2.7L	402	0178		X						
08	SV-04	7/28	10:00	15:20	-29.63	-13.89	SV	WEH/DES	2.7L	282	0369		X						
09	SV-07	7/28	15:30	16:15	-29.36	-6.57	SV	WEH/DES	2.7L	392	0591		X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 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:
	7-29 1340		7/29/15 1540
	7-29-15 19:42		7/29/15 19:42
	7/30/15 0400		7/30/15 0400

ANALYTICAL REPORT

Lab Number:	L1517709
Client:	CES, Inc 640 Main St Lewiston, ME 04240
ATTN:	John Cressey
Phone:	(207) 795-6009
Project Name:	LEBLANC'S CLEANERS
Project Number:	10193.027
Report Date:	08/10/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1517709-01	B-01 (6-8)	SOIL	10 LAFAYETTE ST.	07/28/15 14:28	07/29/15
L1517709-02	B-02 (6-8)	SOIL	10 LAFAYETTE ST.	07/28/15 11:58	07/29/15
L1517709-03	B-03 (4-6)	SOIL	10 LAFAYETTE ST.	07/28/15 10:40	07/29/15
L1517709-04	B-05 (0-4)	SOIL	10 LAFAYETTE ST.	07/28/15 13:23	07/29/15
L1517709-05	B-07 (4-6)	SOIL	10 LAFAYETTE ST.	07/28/15 15:08	07/29/15
L1517709-06	MW-01	WATER	10 LAFAYETTE ST.	07/28/15 14:28	07/29/15
L1517709-07	MW-03	WATER	10 LAFAYETTE ST.	07/28/15 11:32	07/29/15
L1517709-08	MW-04	WATER	10 LAFAYETTE ST.	07/28/15 11:06	07/29/15
L1517709-09	MW-05	WATER	10 LAFAYETTE ST.	07/28/15 13:48	07/29/15
L1517709-10	MW-07	WATER	10 LAFAYETTE ST.	07/28/15 15:27	07/29/15
L1517709-11	SS-07	SOIL	10 LAFAYETTE ST.	07/28/15 14:40	07/29/15
L1517709-12	TRIP BLANK	SOIL	10 LAFAYETTE ST.	07/24/15 00:00	07/29/15
L1517709-13	TRIP BLANK	WATER	10 LAFAYETTE ST.	07/24/15 00:00	07/29/15

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709
Project Number: 10193.027 **Report Date:** 08/10/15

Case Narrative (continued)

Report Submission

This report replaces the report issued August 6, 2015. At the client's request, the Volatile Organics High Level compound list was changed on L1517709-09 and -10.

Volatile Organics

L1517709-03, -09, and -10: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1517709-04 and -05: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to 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: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/10/15

ORGANICS

VOLATILES

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-01
Client ID: B-01 (6-8)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/15 17:32
Analyst: MV
Percent Solids: 78%

Date Collected: 07/28/15 14:28
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	0.98	--	1
1,2-Dichloroethane	ND		ug/kg	0.98	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.98	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.98	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	0.98	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-02
Client ID: B-02 (6-8)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/15 09:02
Analyst: BN
Percent Solids: 78%

Date Collected: 07/28/15 11:58
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	3700		ug/kg	76	--	1
1,2-Dichloroethane	ND		ug/kg	76	--	1
1,1,1-Trichloroethane	ND		ug/kg	76	--	1
Vinyl chloride	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	76	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1
Trichloroethene	1100		ug/kg	76	--	1
cis-1,2-Dichloroethene	110		ug/kg	76	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-03 D
Client ID: B-03 (4-6)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/15 09:28
Analyst: BN
Percent Solids: 77%

Date Collected: 07/28/15 10:40
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	300	--	2
Tetrachloroethene	ND		ug/kg	200	--	2
1,2-Dichloroethane	ND		ug/kg	200	--	2
1,1,1-Trichloroethane	ND		ug/kg	200	--	2
Vinyl chloride	ND		ug/kg	400	--	2
1,1-Dichloroethene	ND		ug/kg	200	--	2
trans-1,2-Dichloroethene	ND		ug/kg	300	--	2
Trichloroethene	ND		ug/kg	200	--	2
cis-1,2-Dichloroethene	ND		ug/kg	200	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-04
Client ID: B-05 (0-4)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/15 09:53
Analyst: BN
Percent Solids: 68%

Date Collected: 07/28/15 13:23
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	170	--	1
Tetrachloroethene	120		ug/kg	110	--	1
1,2-Dichloroethane	ND		ug/kg	110	--	1
1,1,1-Trichloroethane	ND		ug/kg	110	--	1
Vinyl chloride	ND		ug/kg	230	--	1
1,1-Dichloroethene	ND		ug/kg	110	--	1
trans-1,2-Dichloroethene	ND		ug/kg	170	--	1
Trichloroethene	ND		ug/kg	110	--	1
cis-1,2-Dichloroethene	ND		ug/kg	110	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	88		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-05
Client ID: B-07 (4-6)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/15 10:19
Analyst: BN
Percent Solids: 83%

Date Collected: 07/28/15 15:08
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	93	--	1
Tetrachloroethene	ND		ug/kg	62	--	1
1,2-Dichloroethane	ND		ug/kg	62	--	1
1,1,1-Trichloroethane	ND		ug/kg	62	--	1
Vinyl chloride	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	93	--	1
Trichloroethene	ND		ug/kg	62	--	1
cis-1,2-Dichloroethene	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	91		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-06
Client ID: MW-01
Sample Location: 10 LAFAYETTE ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/05/15 00:39
Analyst: PK

Date Collected: 07/28/15 14:28
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Vinyl chloride	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
Trichloroethene	ND		ug/l	0.50	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	88		70-130

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-07
Client ID: MW-03
Sample Location: 10 LAFAYETTE ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/05/15 01:12
Analyst: PK

Date Collected: 07/28/15 11:32
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	9.0		ug/l	0.50	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Vinyl chloride	31		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	38		ug/l	0.75	--	1
Trichloroethene	1.2		ug/l	0.50	--	1
cis-1,2-Dichloroethene	23		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	92		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-08
Client ID: MW-04
Sample Location: 10 LAFAYETTE ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/05/15 01:46
Analyst: PK

Date Collected: 07/28/15 11:06
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Vinyl chloride	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
Trichloroethene	ND		ug/l	0.50	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	90		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-09 D
Client ID: MW-05
Sample Location: 10 LAFAYETTE ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/06/15 17:24
Analyst: MS

Date Collected: 07/28/15 13:48
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	75	--	25
1,1-Dichloroethane	ND		ug/l	19	--	25
Chloroform	ND		ug/l	19	--	25
Carbon tetrachloride	ND		ug/l	12	--	25
1,2-Dichloropropane	ND		ug/l	44	--	25
Dibromochloromethane	ND		ug/l	12	--	25
1,1,2-Trichloroethane	ND		ug/l	19	--	25
Tetrachloroethene	ND		ug/l	12	--	25
Chlorobenzene	ND		ug/l	12	--	25
Trichlorofluoromethane	ND		ug/l	62	--	25
1,2-Dichloroethane	ND		ug/l	12	--	25
1,1,1-Trichloroethane	ND		ug/l	12	--	25
Bromodichloromethane	ND		ug/l	12	--	25
trans-1,3-Dichloropropene	ND		ug/l	12	--	25
cis-1,3-Dichloropropene	ND		ug/l	12	--	25
1,3-Dichloropropene, Total	ND		ug/l	12	--	25
1,1-Dichloropropene	ND		ug/l	62	--	25
Bromoform	ND		ug/l	50	--	25
1,1,2,2-Tetrachloroethane	ND		ug/l	12	--	25
Benzene	ND		ug/l	12	--	25
Toluene	94		ug/l	19	--	25
Ethylbenzene	180		ug/l	12	--	25
Chloromethane	ND		ug/l	62	--	25
Bromomethane	ND		ug/l	25	--	25
Vinyl chloride	ND		ug/l	25	--	25
Chloroethane	ND		ug/l	25	--	25
1,1-Dichloroethene	ND		ug/l	12	--	25
trans-1,2-Dichloroethene	ND		ug/l	19	--	25
1,2-Dichloroethene, Total	ND		ug/l	12	--	25
Trichloroethene	ND		ug/l	12	--	25

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-09 D Date Collected: 07/28/15 13:48

Client ID: MW-05 Date Received: 07/29/15

Sample Location: 10 LAFAYETTE ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	62	--	25
1,3-Dichlorobenzene	ND		ug/l	62	--	25
1,4-Dichlorobenzene	ND		ug/l	62	--	25
Methyl tert butyl ether	ND		ug/l	25	--	25
p/m-Xylene	2100		ug/l	25	--	25
o-Xylene	1600		ug/l	25	--	25
Xylenes, Total	3700		ug/l	25	--	25
cis-1,2-Dichloroethene	ND		ug/l	12	--	25
Dibromomethane	ND		ug/l	120	--	25
1,4-Dichlorobutane	ND		ug/l	120	--	25
1,2,3-Trichloropropane	ND		ug/l	120	--	25
Styrene	ND		ug/l	25	--	25
Dichlorodifluoromethane	ND		ug/l	120	--	25
Acetone	210		ug/l	120	--	25
Carbon disulfide	ND		ug/l	120	--	25
2-Butanone	ND		ug/l	120	--	25
Vinyl acetate	ND		ug/l	120	--	25
4-Methyl-2-pentanone	ND		ug/l	120	--	25
2-Hexanone	ND		ug/l	120	--	25
Ethyl methacrylate	ND		ug/l	120	--	25
Acrylonitrile	ND		ug/l	120	--	25
Bromochloromethane	ND		ug/l	62	--	25
Tetrahydrofuran	ND		ug/l	120	--	25
2,2-Dichloropropane	ND		ug/l	62	--	25
1,2-Dibromoethane	ND		ug/l	50	--	25
1,3-Dichloropropane	ND		ug/l	62	--	25
1,1,1,2-Tetrachloroethane	ND		ug/l	12	--	25
Bromobenzene	ND		ug/l	62	--	25
n-Butylbenzene	110		ug/l	12	--	25
sec-Butylbenzene	ND		ug/l	12	--	25
tert-Butylbenzene	ND		ug/l	62	--	25
o-Chlorotoluene	ND		ug/l	62	--	25
p-Chlorotoluene	ND		ug/l	62	--	25
1,2-Dibromo-3-chloropropane	ND		ug/l	62	--	25
Hexachlorobutadiene	ND		ug/l	12	--	25
Isopropylbenzene	110		ug/l	12	--	25
p-Isopropyltoluene	120		ug/l	12	--	25
Naphthalene	330		ug/l	62	--	25
n-Propylbenzene	130		ug/l	12	--	25

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-09 D Date Collected: 07/28/15 13:48

Client ID: MW-05 Date Received: 07/29/15

Sample Location: 10 LAFAYETTE ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	62	--	25
1,2,4-Trichlorobenzene	ND		ug/l	62	--	25
1,3,5-Trimethylbenzene	990		ug/l	62	--	25
1,2,4-Trimethylbenzene	2600		ug/l	62	--	25
trans-1,4-Dichloro-2-butene	ND		ug/l	62	--	25
Ethyl ether	ND		ug/l	62	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	88		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-10 D
Client ID: MW-07
Sample Location: 10 LAFAYETTE ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/05/15 02:19
Analyst: PK

Date Collected: 07/28/15 15:27
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	--	4
1,1-Dichloroethane	ND		ug/l	3.0	--	4
Chloroform	ND		ug/l	3.0	--	4
Carbon tetrachloride	ND		ug/l	2.0	--	4
1,2-Dichloropropane	ND		ug/l	7.0	--	4
Dibromochloromethane	ND		ug/l	2.0	--	4
1,1,2-Trichloroethane	ND		ug/l	3.0	--	4
Tetrachloroethene	ND		ug/l	2.0	--	4
Chlorobenzene	ND		ug/l	2.0	--	4
Trichlorofluoromethane	ND		ug/l	10	--	4
1,2-Dichloroethane	ND		ug/l	2.0	--	4
1,1,1-Trichloroethane	ND		ug/l	2.0	--	4
Bromodichloromethane	ND		ug/l	2.0	--	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	--	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	--	4
1,3-Dichloropropene, Total	ND		ug/l	2.0	--	4
1,1-Dichloropropene	ND		ug/l	10	--	4
Bromoform	ND		ug/l	8.0	--	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	--	4
Benzene	ND		ug/l	2.0	--	4
Toluene	ND		ug/l	3.0	--	4
Ethylbenzene	2.6		ug/l	2.0	--	4
Chloromethane	ND		ug/l	10	--	4
Bromomethane	ND		ug/l	4.0	--	4
Vinyl chloride	ND		ug/l	4.0	--	4
Chloroethane	ND		ug/l	4.0	--	4
1,1-Dichloroethene	ND		ug/l	2.0	--	4
trans-1,2-Dichloroethene	ND		ug/l	3.0	--	4
1,2-Dichloroethene, Total	ND		ug/l	2.0	--	4
Trichloroethene	ND		ug/l	2.0	--	4

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-10 D Date Collected: 07/28/15 15:27

Client ID: MW-07 Date Received: 07/29/15

Sample Location: 10 LAFAYETTE ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	10	--	4
1,3-Dichlorobenzene	ND		ug/l	10	--	4
1,4-Dichlorobenzene	ND		ug/l	10	--	4
Methyl tert butyl ether	ND		ug/l	4.0	--	4
p/m-Xylene	7.9		ug/l	4.0	--	4
o-Xylene	ND		ug/l	4.0	--	4
Xylenes, Total	7.9		ug/l	4.0	--	4
cis-1,2-Dichloroethene	ND		ug/l	2.0	--	4
Dibromomethane	ND		ug/l	20	--	4
1,4-Dichlorobutane	ND		ug/l	20	--	4
1,2,3-Trichloropropane	ND		ug/l	20	--	4
Styrene	ND		ug/l	4.0	--	4
Dichlorodifluoromethane	ND		ug/l	20	--	4
Acetone	ND		ug/l	20	--	4
Carbon disulfide	ND		ug/l	20	--	4
2-Butanone	ND		ug/l	20	--	4
Vinyl acetate	ND		ug/l	20	--	4
4-Methyl-2-pentanone	ND		ug/l	20	--	4
2-Hexanone	ND		ug/l	20	--	4
Ethyl methacrylate	ND		ug/l	20	--	4
Acrylonitrile	ND		ug/l	20	--	4
Bromochloromethane	ND		ug/l	10	--	4
Tetrahydrofuran	ND		ug/l	20	--	4
2,2-Dichloropropane	ND		ug/l	10	--	4
1,2-Dibromoethane	ND		ug/l	8.0	--	4
1,3-Dichloropropane	ND		ug/l	10	--	4
1,1,1,2-Tetrachloroethane	ND		ug/l	2.0	--	4
Bromobenzene	ND		ug/l	10	--	4
n-Butylbenzene	4.3		ug/l	2.0	--	4
sec-Butylbenzene	4.0		ug/l	2.0	--	4
tert-Butylbenzene	ND		ug/l	10	--	4
o-Chlorotoluene	ND		ug/l	10	--	4
p-Chlorotoluene	ND		ug/l	10	--	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	--	4
Hexachlorobutadiene	ND		ug/l	2.0	--	4
Isopropylbenzene	3.5		ug/l	2.0	--	4
p-Isopropyltoluene	6.0		ug/l	2.0	--	4
Naphthalene	ND		ug/l	10	--	4
n-Propylbenzene	6.8		ug/l	2.0	--	4

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-10 D Date Collected: 07/28/15 15:27

Client ID: MW-07 Date Received: 07/29/15

Sample Location: 10 LAFAYETTE ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/l	10	--	4
1,2,4-Trichlorobenzene	ND		ug/l	10	--	4
1,3,5-Trimethylbenzene	17		ug/l	10	--	4
1,2,4-Trimethylbenzene	69		ug/l	10	--	4
trans-1,4-Dichloro-2-butene	ND		ug/l	10	--	4
Ethyl ether	ND		ug/l	10	--	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-11
Client ID: SS-07
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/15 10:44
Analyst: BN
Percent Solids: 87%

Date Collected: 07/28/15 14:40
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	1300		ug/kg	80	--	1
1,2-Dichloroethane	ND		ug/kg	80	--	1
1,1,1-Trichloroethane	ND		ug/kg	80	--	1
Vinyl chloride	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	ND		ug/kg	80	--	1
cis-1,2-Dichloroethene	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	90		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-12
Client ID: TRIP BLANK
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/04/15 17:59
Analyst: MV
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 07/24/15 00:00
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-12
Client ID: TRIP BLANK
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/05/15 11:10
Analyst: BN
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Date Collected: 07/24/15 00:00
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Vinyl chloride	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	93		70-130

Project Name: LEBLANC'S CLEANERS **Lab Number:** L1517709

Project Number: 10193.027 **Report Date:** 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-13
Client ID: TRIP BLANK
Sample Location: 10 LAFAYETTE ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/04/15 21:50
Analyst: PK

Date Collected: 07/24/15 00:00
Date Received: 07/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Vinyl chloride	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
Trichloroethene	ND		ug/l	0.50	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	88		70-130

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 09:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,12 Batch: WG809216-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 09:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,12 Batch: WG809216-3					
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--
1,4-Dichlorobenzene	ND		ug/kg	5.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylene (Total)	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene (total)	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
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	--
Acrolein	ND		ug/kg	25	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 09:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,12 Batch: WG809216-3					
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Halothane	ND		ug/kg	40	--
Ethyl ether	ND		ug/kg	5.0	--
Methyl Acetate	ND		ug/kg	20	--
Ethyl Acetate	ND		ug/kg	20	--
Isopropyl Ether	ND		ug/kg	4.0	--
Cyclohexane	ND		ug/kg	20	--
tert-Butyl Alcohol	ND		ug/kg	100	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	100	--

Project Name: LEBLANC'S CLEANERS
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Lab Number: L1517709
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 09:59
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01,12 Batch: WG809216-3					
Methyl cyclohexane	ND		ug/kg	4.0	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	--
1,4-Diethylbenzene	ND		ug/kg	4.0	--
4-Ethyltoluene	ND		ug/kg	4.0	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	98		70-130

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/15 07:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-05,11-12 Batch: WG809236-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
2-Chloroethylvinyl ether	ND		ug/kg	1000	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	250	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,3-Dichloropropene, Total	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	250	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	250	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/15 07:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-05,11-12 Batch: WG809236-3					
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	250	--
1,3-Dichlorobenzene	ND		ug/kg	250	--
1,4-Dichlorobenzene	ND		ug/kg	250	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
Xylene (Total)	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene (total)	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	500	--
1,4-Dichlorobutane	ND		ug/kg	500	--
1,2,3-Trichloropropane	ND		ug/kg	500	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
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	--
Acrolein	ND		ug/kg	1200	--
Acrylonitrile	ND		ug/kg	200	--
Bromochloromethane	ND		ug/kg	250	--
Tetrahydrofuran	ND		ug/kg	1000	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	250	--

Project Name: LEBLANC'S CLEANERS
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/15 07:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-05,11-12 Batch: WG809236-3					
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	250	--
1,3,5-Trichlorobenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	250	--
p-Chlorotoluene	ND		ug/kg	250	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	--
Hexachlorobutadiene	ND		ug/kg	250	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	250	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	250	--
1,2,4-Trichlorobenzene	ND		ug/kg	250	--
1,3,5-Trimethylbenzene	ND		ug/kg	250	--
1,2,4-Trimethylbenzene	ND		ug/kg	250	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	--
Ethyl ether	ND		ug/kg	250	--
Methyl Acetate	ND		ug/kg	1000	--
Ethyl Acetate	ND		ug/kg	1000	--
Isopropyl Ether	ND		ug/kg	200	--
Cyclohexane	ND		ug/kg	1000	--
tert-Butyl Alcohol	ND		ug/kg	5000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--
Methyl cyclohexane	ND		ug/kg	200	--

Project Name: LEBLANC'S CLEANERS
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/15 07:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02-05,11-12 Batch: WG809236-3					
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	--
1,4-Diethylbenzene	ND		ug/kg	200	--
4-Ethyltoluene	ND		ug/kg	200	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	95		70-130

Project Name: LEBLANC'S CLEANERS
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Lab Number: L1517709
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 20:43
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08,13 Batch: WG809294-3					
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	1.8	--
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	2.5	--
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	2.5	--
Bromoform	ND		ug/l	2.0	--
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	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
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: LEBLANC'S CLEANERS
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Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 20:43
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08,13 Batch: WG809294-3					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylene (Total)	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
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	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--

Project Name: LEBLANC'S CLEANERS
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-08,13 Batch: WG809294-3					
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	88		70-130

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 20:43
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG809566-3					
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	1.8	--
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	2.5	--
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	2.5	--
Bromoform	ND		ug/l	2.0	--
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	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
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: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 20:43
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG809566-3					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylene (Total)	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
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	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/04/15 20:43
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG809566-3					
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	88		70-130

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/15 16:50
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG810674-3					
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	1.8	--
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	2.5	--
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	2.5	--
Bromoform	ND		ug/l	2.0	--
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	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
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: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/15 16:50
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG810674-3					
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylene (Total)	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
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	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/06/15 16:50
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG810674-3					
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517709

Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,12 Batch: WG809216-1 WG809216-2								
Methylene chloride	96		89		70-130	8		30
1,1-Dichloroethane	108		101		70-130	7		30
Chloroform	112		107		70-130	5		30
Carbon tetrachloride	**141**	Q	**133**	Q	70-130	6		30
1,2-Dichloropropane	97		90		70-130	7		30
Dibromochloromethane	108		105		70-130	3		30
1,1,2-Trichloroethane	98		90		70-130	9		30
2-Chloroethylvinyl ether	101		97		70-130	4		30
Tetrachloroethene	113		107		70-130	5		30
Chlorobenzene	100		94		70-130	6		30
Trichlorofluoromethane	**178**	Q	**172**	Q	70-139	3		30
1,2-Dichloroethane	117		113		70-130	3		30
1,1,1-Trichloroethane	127		121		70-130	5		30
Bromodichloromethane	108		105		70-130	3		30
trans-1,3-Dichloropropene	111		107		70-130	4		30
cis-1,3-Dichloropropene	101		98		70-130	3		30
1,1-Dichloropropene	112		104		70-130	7		30
Bromoform	97		92		70-130	5		30
1,1,2,2-Tetrachloroethane	88		82		70-130	7		30
Benzene	102		97		70-130	5		30
Toluene	102		97		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,12 Batch: WG809216-1 WG809216-2								
Ethylbenzene	111		103		70-130	7		30
Chloromethane	111		106		52-130	5		30
Bromomethane	145		136		57-147	6		30
Vinyl chloride	112		107		67-130	5		30
Chloroethane	**154**	Q	143		50-151	7		30
1,1-Dichloroethene	109		104		65-135	5		30
trans-1,2-Dichloroethene	102		98		70-130	4		30
Trichloroethene	104		99		70-130	5		30
1,2-Dichlorobenzene	103		98		70-130	5		30
1,3-Dichlorobenzene	106		99		70-130	7		30
1,4-Dichlorobenzene	106		99		70-130	7		30
Methyl tert butyl ether	95		90		66-130	5		30
p/m-Xylene	109		104		70-130	5		30
o-Xylene	106		102		70-130	4		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Dibromomethane	98		97		70-130	1		30
1,4-Dichlorobutane	92		88		70-130	4		30
1,2,3-Trichloropropane	91		87		68-130	4		30
Styrene	102		98		70-130	4		30
Dichlorodifluoromethane	**151**	Q	142		30-146	6		30
Acetone	94		83		54-140	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517709

Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,12 Batch: WG809216-1 WG809216-2								
Carbon disulfide	88		81		59-130	8		30
2-Butanone	82		77		70-130	6		30
Vinyl acetate	116		109		70-130	6		30
4-Methyl-2-pentanone	76		74		70-130	3		30
2-Hexanone	96		81		70-130	17		30
Ethyl methacrylate	85		79		70-130	7		30
Acrolein	70		**67**	Q	70-130	4		30
Acrylonitrile	71		70		70-130	1		30
Bromochloromethane	99		93		70-130	6		30
Tetrahydrofuran	79		74		66-130	7		30
2,2-Dichloropropane	**132**	Q	124		70-130	6		30
1,2-Dibromoethane	98		93		70-130	5		30
1,3-Dichloropropane	101		96		69-130	5		30
1,1,1,2-Tetrachloroethane	110		106		70-130	4		30
Bromobenzene	101		94		70-130	7		30
n-Butylbenzene	113		109		70-130	4		30
sec-Butylbenzene	115		109		70-130	5		30
tert-Butylbenzene	113		107		70-130	5		30
1,3,5-Trichlorobenzene	100		101		70-139	1		30
o-Chlorotoluene	113		117		70-130	3		30
p-Chlorotoluene	110		103		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,12 Batch: WG809216-1 WG809216-2								
1,2-Dibromo-3-chloropropane	81		82		68-130	1		30
Hexachlorobutadiene	113		114		67-130	1		30
Isopropylbenzene	112		107		70-130	5		30
p-Isopropyltoluene	116		110		70-130	5		30
Naphthalene	80		84		70-130	5		30
n-Propylbenzene	109		103		70-130	6		30
1,2,3-Trichlorobenzene	95		93		70-130	2		30
1,2,4-Trichlorobenzene	96		97		70-130	1		30
1,3,5-Trimethylbenzene	113		108		70-130	5		30
1,2,4-Trimethylbenzene	112		107		70-130	5		30
trans-1,4-Dichloro-2-butene	106		99		70-130	7		30
Halothane	102		95		70-130	7		20
Ethyl ether	89		90		67-130	1		30
Methyl Acetate	87		84		65-130	4		30
Ethyl Acetate	90		86		70-130	5		30
Isopropyl Ether	100		97		66-130	3		30
Cyclohexane	95		91		70-130	4		30
Tert-Butyl Alcohol	75		70		70-130	7		30
Ethyl-Tert-Butyl-Ether	101		96		70-130	5		30
Tertiary-Amyl Methyl Ether	98		94		70-130	4		30
1,4-Dioxane	69		66		65-136	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517709

Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01,12 Batch: WG809216-1 WG809216-2								
Methyl cyclohexane	97		94		70-130	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	116		110		70-130	5		30
1,4-Diethylbenzene	106		101		70-130	5		30
4-Ethyltoluene	110		104		70-130	6		30
1,2,4,5-Tetramethylbenzene	99		103		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		116		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-05,11-12 Batch: WG809236-1 WG809236-2								
Methylene chloride	104		98		70-130	6		30
1,1-Dichloroethane	109		102		70-130	7		30
Chloroform	118		110		70-130	7		30
Carbon tetrachloride	122		113		70-130	8		30
1,2-Dichloropropane	102		97		70-130	5		30
Dibromochloromethane	104		100		70-130	4		30
1,1,2-Trichloroethane	106		103		70-130	3		30
2-Chloroethylvinyl ether	87		85		70-130	2		30
Tetrachloroethene	122		116		70-130	5		30
Chlorobenzene	109		103		70-130	6		30
Trichlorofluoromethane	127		119		70-139	7		30
1,2-Dichloroethane	104		100		70-130	4		30
1,1,1-Trichloroethane	120		112		70-130	7		30
Bromodichloromethane	108		104		70-130	4		30
trans-1,3-Dichloropropene	107		103		70-130	4		30
cis-1,3-Dichloropropene	108		104		70-130	4		30
1,1-Dichloropropene	118		112		70-130	5		30
Bromoform	103		99		70-130	4		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	114		108		70-130	5		30
Toluene	108		103		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-05,11-12 Batch: WG809236-1 WG809236-2								
Ethylbenzene	114		108		70-130	5		30
Chloromethane	95		87		52-130	9		30
Bromomethane	116		106		57-147	9		30
Vinyl chloride	118		110		67-130	7		30
Chloroethane	112		105		50-151	6		30
1,1-Dichloroethene	120		113		65-135	6		30
trans-1,2-Dichloroethene	117		108		70-130	8		30
Trichloroethene	117		110		70-130	6		30
1,2-Dichlorobenzene	104		99		70-130	5		30
1,3-Dichlorobenzene	108		101		70-130	7		30
1,4-Dichlorobenzene	106		101		70-130	5		30
Methyl tert butyl ether	103		100		66-130	3		30
p/m-Xylene	115		108		70-130	6		30
o-Xylene	112		106		70-130	6		30
cis-1,2-Dichloroethene	113		107		70-130	5		30
Dibromomethane	103		100		70-130	3		30
1,4-Dichlorobutane	86		83		70-130	4		30
1,2,3-Trichloropropane	98		95		68-130	3		30
Styrene	111		106		70-130	5		30
Dichlorodifluoromethane	127		118		30-146	7		30
Acetone	89		82		54-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-05,11-12 Batch: WG809236-1 WG809236-2								
Carbon disulfide	115		108		59-130	6		30
2-Butanone	86		84		70-130	2		30
Vinyl acetate	90		86		70-130	5		30
4-Methyl-2-pentanone	75		77		70-130	3		30
2-Hexanone	70		71		70-130	1		30
Ethyl methacrylate	91		90		70-130	1		30
Acrolein	76		72		70-130	5		30
Acrylonitrile	78		79		70-130	1		30
Bromochloromethane	109		103		70-130	6		30
Tetrahydrofuran	68		78		66-130	14		30
2,2-Dichloropropane	120		111		70-130	8		30
1,2-Dibromoethane	100		99		70-130	1		30
1,3-Dichloropropane	105		102		69-130	3		30
1,1,1,2-Tetrachloroethane	111		104		70-130	7		30
Bromobenzene	102		97		70-130	5		30
n-Butylbenzene	114		106		70-130	7		30
sec-Butylbenzene	109		103		70-130	6		30
tert-Butylbenzene	104		98		70-130	6		30
1,3,5-Trichlorobenzene	133		125		70-139	6		30
o-Chlorotoluene	110		94		70-130	16		30
p-Chlorotoluene	106		100		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-05,11-12 Batch: WG809236-1 WG809236-2								
1,2-Dibromo-3-chloropropane	90		89		68-130	1		30
Hexachlorobutadiene	125		115		67-130	8		30
Isopropylbenzene	116		110		70-130	5		30
p-Isopropyltoluene	107		100		70-130	7		30
Naphthalene	94		91		70-130	3		30
n-Propylbenzene	107		101		70-130	6		30
1,2,3-Trichlorobenzene	115		108		70-130	6		30
1,2,4-Trichlorobenzene	116		109		70-130	6		30
1,3,5-Trimethylbenzene	107		101		70-130	6		30
1,2,4-Trimethylbenzene	105		99		70-130	6		30
trans-1,4-Dichloro-2-butene	84		80		70-130	5		30
Ethyl ether	109		106		67-130	3		30
Methyl Acetate	84		81		65-130	4		30
Ethyl Acetate	74		72		70-130	3		30
Isopropyl Ether	91		88		66-130	3		30
Cyclohexane	102		98		70-130	4		30
Tert-Butyl Alcohol	80		79		70-130	1		30
Ethyl-Tert-Butyl-Ether	98		93		70-130	5		30
Tertiary-Amyl Methyl Ether	103		100		70-130	3		30
1,4-Dioxane	94		94		65-136	0		30
Methyl cyclohexane	120		112		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517709

Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02-05,11-12 Batch: WG809236-1 WG809236-2								
1,1,2-Trichloro-1,2,2-Trifluoroethane	126		118		70-130	7		30
p-Diethylbenzene	118		112		70-130	5		30
4-Ethyltoluene	118		111		70-130	6		30
1,2,4,5-Tetramethylbenzene	114		107		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	102		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC'S CLEANERS

Project Number: 10193.027

Lab Number: L1517709

Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08,13 Batch: WG809294-1 WG809294-2								
Methylene chloride	114		94		70-130	19		20
1,1-Dichloroethane	116		96		70-130	19		20
Chloroform	106		87		70-130	20		20
Carbon tetrachloride	124		108		63-132	14		20
1,2-Dichloropropane	110		90		70-130	20		20
Dibromochloromethane	89		71		63-130	**23**	Q	20
1,1,2-Trichloroethane	108		87		70-130	**22**	Q	20
Tetrachloroethene	100		83		70-130	19		20
Chlorobenzene	100		82		75-130	20		25
Trichlorofluoromethane	117		97		62-150	19		20
1,2-Dichloroethane	112		89		70-130	**23**	Q	20
1,1,1-Trichloroethane	96		78		67-130	**21**	Q	20
Bromodichloromethane	100		79		67-130	**23**	Q	20
trans-1,3-Dichloropropene	84		**65**	Q	70-130	**26**	Q	20
cis-1,3-Dichloropropene	89		**69**	Q	70-130	**25**	Q	20
1,1-Dichloropropene	110		90		70-130	20		20
Bromoform	86		68		54-136	**23**	Q	20
1,1,2,2-Tetrachloroethane	111		88		67-130	**23**	Q	20
Benzene	104		86		70-130	19		25
Toluene	103		84		70-130	20		25
Ethylbenzene	106		87		70-130	20		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
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Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08,13 Batch: WG809294-1 WG809294-2								
Chloromethane	115		99		64-130	15		20
Bromomethane	128		98		39-139	**27**	Q	20
Vinyl chloride	125		99		55-140	**23**	Q	20
Chloroethane	**176**	Q	**141**	Q	55-138	**22**	Q	20
1,1-Dichloroethene	104		88		61-145	17		25
trans-1,2-Dichloroethene	104		88		70-130	17		20
Trichloroethene	108		88		70-130	20		25
1,2-Dichlorobenzene	101		82		70-130	**21**	Q	20
1,3-Dichlorobenzene	102		82		70-130	**22**	Q	20
1,4-Dichlorobenzene	101		83		70-130	20		20
Methyl tert butyl ether	82		68		63-130	19		20
p/m-Xylene	104		86		70-130	19		20
o-Xylene	103		84		70-130	20		20
cis-1,2-Dichloroethene	104		86		70-130	19		20
Dibromomethane	103		82		70-130	**23**	Q	20
1,4-Dichlorobutane	113		90		70-130	**23**	Q	20
1,2,3-Trichloropropane	110		89		64-130	**21**	Q	20
Styrene	95		77		70-130	**21**	Q	20
Dichlorodifluoromethane	112		92		36-147	20		20
Acetone	119		72		58-148	**49**	Q	20
Carbon disulfide	111		87		51-130	**24**	Q	20

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Project Name: LEBLANC'S CLEANERS
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Lab Number: L1517709
Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08,13 Batch: WG809294-1 WG809294-2								
2-Butanone	114		85		63-138	**29**	Q	20
Vinyl acetate	77		**61**	Q	70-130	**23**	Q	20
4-Methyl-2-pentanone	113		88		59-130	**25**	Q	20
2-Hexanone	119		91		57-130	**27**	Q	20
Ethyl methacrylate	99		80		70-130	**21**	Q	20
Acrylonitrile	110		89		70-130	**21**	Q	20
Bromochloromethane	115		93		70-130	**21**	Q	20
Tetrahydrofuran	112		87		58-130	**25**	Q	20
2,2-Dichloropropane	104		91		63-133	13		20
1,2-Dibromoethane	99		74		70-130	**29**	Q	20
1,3-Dichloropropane	105		84		70-130	**22**	Q	20
1,1,1,2-Tetrachloroethane	88		72		64-130	20		20
Bromobenzene	101		84		70-130	18		20
n-Butylbenzene	119		94		53-136	**23**	Q	20
sec-Butylbenzene	112		90		70-130	**22**	Q	20
tert-Butylbenzene	106		86		70-130	**21**	Q	20
o-Chlorotoluene	106		88		70-130	19		20
p-Chlorotoluene	108		89		70-130	19		20
1,2-Dibromo-3-chloropropane	105		81		41-144	**26**	Q	20
Hexachlorobutadiene	116		89		63-130	**26**	Q	20
Isopropylbenzene	102		83		70-130	**21**	Q	20

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08,13 Batch: WG809294-1 WG809294-2								
p-Isopropyltoluene	111		88		70-130	**23**	Q	20
Naphthalene	109		86		70-130	**24**	Q	20
n-Propylbenzene	114		94		69-130	19		20
1,2,3-Trichlorobenzene	103		82		70-130	**23**	Q	20
1,2,4-Trichlorobenzene	112		89		70-130	**23**	Q	20
1,3,5-Trimethylbenzene	107		88		64-130	19		20
1,2,4-Trimethylbenzene	108		89		70-130	19		20
trans-1,4-Dichloro-2-butene	103		75		70-130	**31**	Q	20
Ethyl ether	108		86		59-134	**23**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	97		95		70-130

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG809566-1 WG809566-2								
Methylene chloride	114		94		70-130	19		20
1,1-Dichloroethane	116		96		70-130	19		20
Chloroform	106		87		70-130	20		20
Carbon tetrachloride	124		108		63-132	14		20
1,2-Dichloropropane	110		90		70-130	20		20
Dibromochloromethane	89		71		63-130	**23**	Q	20
1,1,2-Trichloroethane	108		87		70-130	**22**	Q	20
Tetrachloroethene	100		83		70-130	19		20
Chlorobenzene	100		82		75-130	20		25
Trichlorofluoromethane	117		97		62-150	19		20
1,2-Dichloroethane	112		89		70-130	**23**	Q	20
1,1,1-Trichloroethane	96		78		67-130	**21**	Q	20
Bromodichloromethane	100		79		67-130	**23**	Q	20
trans-1,3-Dichloropropene	84		**65**	Q	70-130	**26**	Q	20
cis-1,3-Dichloropropene	89		**69**	Q	70-130	**25**	Q	20
1,1-Dichloropropene	110		90		70-130	20		20
Bromoform	86		68		54-136	**23**	Q	20
1,1,2,2-Tetrachloroethane	111		88		67-130	**23**	Q	20
Benzene	104		86		70-130	19		25
Toluene	103		84		70-130	20		25
Ethylbenzene	106		87		70-130	20		20

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG809566-1 WG809566-2								
Chloromethane	115		99		64-130	15		20
Bromomethane	128		98		39-139	**27**	Q	20
Vinyl chloride	125		99		55-140	**23**	Q	20
Chloroethane	**176**	Q	**141**	Q	55-138	**22**	Q	20
1,1-Dichloroethene	104		88		61-145	17		25
trans-1,2-Dichloroethene	104		88		70-130	17		20
Trichloroethene	108		88		70-130	20		25
1,2-Dichlorobenzene	101		82		70-130	**21**	Q	20
1,3-Dichlorobenzene	102		82		70-130	**22**	Q	20
1,4-Dichlorobenzene	101		83		70-130	20		20
Methyl tert butyl ether	82		68		63-130	19		20
p/m-Xylene	104		86		70-130	19		20
o-Xylene	103		84		70-130	20		20
cis-1,2-Dichloroethene	104		86		70-130	19		20
Dibromomethane	103		82		70-130	**23**	Q	20
1,4-Dichlorobutane	113		90		70-130	**23**	Q	20
1,2,3-Trichloropropane	110		89		64-130	**21**	Q	20
Styrene	95		77		70-130	**21**	Q	20
Dichlorodifluoromethane	112		92		36-147	20		20
Acetone	119		72		58-148	**49**	Q	20
Carbon disulfide	111		87		51-130	**24**	Q	20

Lab Control Sample Analysis
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Lab Number: L1517709
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG809566-1 WG809566-2								
2-Butanone	114		85		63-138	**29**	Q	20
Vinyl acetate	77		**61**	Q	70-130	**23**	Q	20
4-Methyl-2-pentanone	113		88		59-130	**25**	Q	20
2-Hexanone	119		91		57-130	**27**	Q	20
Ethyl methacrylate	99		80		70-130	**21**	Q	20
Acrylonitrile	110		89		70-130	**21**	Q	20
Bromochloromethane	115		93		70-130	**21**	Q	20
Tetrahydrofuran	112		87		58-130	**25**	Q	20
2,2-Dichloropropane	104		91		63-133	13		20
1,2-Dibromoethane	99		74		70-130	**29**	Q	20
1,3-Dichloropropane	105		84		70-130	**22**	Q	20
1,1,1,2-Tetrachloroethane	88		72		64-130	20		20
Bromobenzene	101		84		70-130	18		20
n-Butylbenzene	119		94		53-136	**23**	Q	20
sec-Butylbenzene	112		90		70-130	**22**	Q	20
tert-Butylbenzene	106		86		70-130	**21**	Q	20
o-Chlorotoluene	106		88		70-130	19		20
p-Chlorotoluene	108		89		70-130	19		20
1,2-Dibromo-3-chloropropane	105		81		41-144	**26**	Q	20
Hexachlorobutadiene	116		89		63-130	**26**	Q	20
Isopropylbenzene	102		83		70-130	**21**	Q	20

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG809566-1 WG809566-2								
p-Isopropyltoluene	111		88		70-130	**23**	Q	20
Naphthalene	109		86		70-130	**24**	Q	20
n-Propylbenzene	114		94		69-130	19		20
1,2,3-Trichlorobenzene	103		82		70-130	**23**	Q	20
1,2,4-Trichlorobenzene	112		89		70-130	**23**	Q	20
1,3,5-Trimethylbenzene	107		88		64-130	19		20
1,2,4-Trimethylbenzene	108		89		70-130	19		20
trans-1,4-Dichloro-2-butene	103		75		70-130	**31**	Q	20
Ethyl ether	108		86		59-134	**23**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	97		95		70-130

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG810674-1 WG810674-2								
Methylene chloride	110		96		70-130	14		20
1,1-Dichloroethane	118		101		70-130	16		20
Chloroform	108		94		70-130	14		20
Carbon tetrachloride	124		112		63-132	10		20
1,2-Dichloropropane	110		95		70-130	15		20
Dibromochloromethane	84		72		63-130	15		20
1,1,2-Trichloroethane	104		92		70-130	12		20
Tetrachloroethene	100		87		70-130	14		20
Chlorobenzene	99		86		75-130	14		25
Trichlorofluoromethane	120		103		62-150	15		20
1,2-Dichloroethane	111		96		70-130	14		20
1,1,1-Trichloroethane	96		83		67-130	15		20
Bromodichloromethane	96		82		67-130	16		20
trans-1,3-Dichloropropene	80		70		70-130	13		20
cis-1,3-Dichloropropene	86		73		70-130	16		20
1,1-Dichloropropene	112		94		70-130	17		20
Bromoform	80		70		54-136	13		20
1,1,2,2-Tetrachloroethane	103		92		67-130	11		20
Benzene	104		90		70-130	14		25
Toluene	102		89		70-130	14		25
Ethylbenzene	105		91		70-130	14		20

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG810674-1 WG810674-2								
Chloromethane	101		86		64-130	16		20
Bromomethane	114		97		39-139	16		20
Vinyl chloride	124		105		55-140	17		20
Chloroethane	**174**	Q	**143**	Q	55-138	20		20
1,1-Dichloroethene	105		92		61-145	13		25
trans-1,2-Dichloroethene	107		93		70-130	14		20
Trichloroethene	108		93		70-130	15		25
1,2-Dichlorobenzene	98		86		70-130	13		20
1,3-Dichlorobenzene	99		87		70-130	13		20
1,4-Dichlorobenzene	99		86		70-130	14		20
Methyl tert butyl ether	96		83		63-130	15		20
p/m-Xylene	104		90		70-130	14		20
o-Xylene	102		89		70-130	14		20
cis-1,2-Dichloroethene	106		92		70-130	14		20
Dibromomethane	101		85		70-130	17		20
1,4-Dichlorobutane	108		97		70-130	11		20
1,2,3-Trichloropropane	104		95		64-130	9		20
Styrene	94		82		70-130	14		20
Dichlorodifluoromethane	118		105		36-147	12		20
Acetone	91		98		58-148	7		20
Carbon disulfide	109		91		51-130	18		20

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG810674-1 WG810674-2								
2-Butanone	104		91		63-138	13		20
Vinyl acetate	**68**	Q	**60**	Q	70-130	13		20
4-Methyl-2-pentanone	107		98		59-130	9		20
2-Hexanone	114		100		57-130	13		20
Ethyl methacrylate	95		86		70-130	10		20
Acrylonitrile	101		98		70-130	3		20
Bromochloromethane	114		96		70-130	17		20
Tetrahydrofuran	100		92		58-130	8		20
2,2-Dichloropropane	120		107		63-133	11		20
1,2-Dibromoethane	92		80		70-130	14		20
1,3-Dichloropropane	101		89		70-130	13		20
1,1,1,2-Tetrachloroethane	86		74		64-130	15		20
Bromobenzene	99		87		70-130	13		20
n-Butylbenzene	117		99		53-136	17		20
sec-Butylbenzene	110		95		70-130	15		20
tert-Butylbenzene	104		90		70-130	14		20
o-Chlorotoluene	105		90		70-130	15		20
p-Chlorotoluene	108		95		70-130	13		20
1,2-Dibromo-3-chloropropane	93		84		41-144	10		20
Hexachlorobutadiene	109		91		63-130	18		20
Isopropylbenzene	102		88		70-130	15		20

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Lab Number: L1517709

Report Date: 08/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG810674-1 WG810674-2								
p-Isopropyltoluene	109		92		70-130	17		20
Naphthalene	96		92		70-130	4		20
n-Propylbenzene	114		98		69-130	15		20
1,2,3-Trichlorobenzene	93		84		70-130	10		20
1,2,4-Trichlorobenzene	105		92		70-130	13		20
1,3,5-Trimethylbenzene	108		93		64-130	15		20
1,2,4-Trimethylbenzene	108		93		70-130	15		20
trans-1,4-Dichloro-2-butene	91		80		70-130	13		20
Ethyl ether	105		92		59-134	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	95		93		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-01
Client ID: B-01 (6-8)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Date Collected: 07/28/15 14:28
Date Received: 07/29/15
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	77.7		%	0.100	NA	1	-	07/30/15 14:08	30,2540G	AB

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-02
Client ID: B-02 (6-8)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Date Collected: 07/28/15 11:58
Date Received: 07/29/15
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	78.1		%	0.100	NA	1	-	07/30/15 14:08	30,2540G	AB

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-03
Client ID: B-03 (4-6)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Date Collected: 07/28/15 10:40
Date Received: 07/29/15
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	77.3		%	0.100	NA	1	-	07/30/15 14:08	30,2540G	AB

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-04
Client ID: B-05 (0-4)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Date Collected: 07/28/15 13:23
Date Received: 07/29/15
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	67.6		%	0.100	NA	1	-	07/30/15 14:08	30,2540G	AB

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-05
Client ID: B-07 (4-6)
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil
Date Collected: 07/28/15 15:08
Date Received: 07/29/15
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	82.9		%	0.100	NA	1	-	07/30/15 14:08	30,2540G	AB

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027
Lab Number: L1517709
Report Date: 08/10/15

SAMPLE RESULTS

Lab ID: L1517709-11
Client ID: SS-07
Sample Location: 10 LAFAYETTE ST.
Matrix: Soil

Date Collected: 07/28/15 14:40
Date Received: 07/29/15
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	87.2		%	0.100	NA	1	-	07/30/15 14:08	30,2540G	AB

Lab Duplicate Analysis
Batch Quality Control

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05,11 QC Batch ID: WG807470-1 QC Sample: L1517668-01 Client ID: DUP Sample						
Solids, Total	87.9	88.6	%	1		20

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 07/28/2015 18:30

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1517709-01A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-01B	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-01C	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-01D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1517709-02A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-02B	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-02C	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-02D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1517709-03A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-03B	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-03C	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-03D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1517709-04A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-04B	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-04C	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-04D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1517709-05A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-05B	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-05C	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-05D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1517709-06A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-06B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-06C	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-07A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-07B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-07C	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-08A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)

*Values in parentheses indicate holding time in days

Project Name: LEBLANC'S CLEANERS
Project Number: 10193.027

Lab Number: L1517709
Report Date: 08/10/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1517709-08B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-08C	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-09A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1517709-09B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1517709-09C	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1517709-10A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1517709-10B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1517709-10C	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260(14)
L1517709-11A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-11B	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-11C	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14)
L1517709-11D	Plastic 2oz unpreserved for TS	A	N/A	2.9	Y	Absent	TS(7)
L1517709-12A	Vial MeOH preserved	A	N/A	2.9	Y	Absent	8260HLW(14),8260H(14)
L1517709-12B	Vial water preserved	A	N/A	2.9	Y	Absent	8260HLW(14),8260H(14)
L1517709-13A	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)
L1517709-13B	Vial HCl preserved	A	N/A	2.9	Y	Absent	8260-CHLR(14)

*Values in parentheses indicate holding time in days

Project Name:	LEBLANC'S CLEANERS	**Lab Number:**	L1517709
Project Number:	10193.027	**Report Date:**	08/10/15

GLOSSARY

Acronyms

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).

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.

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.

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.

NI - Not Ignitable.

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

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.

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.

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

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.

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.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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.

Report Format: Data Usability Report

Project Name:	LEBLANC'S CLEANERS	**Lab Number:**	L1517709
Project Number:	10193.027	**Report Date:**	08/10/15

Data Qualifiers

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.

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.

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name:	LEBLANC'S CLEANERS	**Lab Number:**	L1517709
Project Number:	10193.027	**Report Date:**	08/10/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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

Last revised December 16, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: 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**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

Serial_No:08101517:50

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 7/29/15

ALPHA Job #: 21517709

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

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

Client Information

Client: CES Inc.

Address: 640 Main St.
Lewiston, ME 04240

Phone: 207 740 6880

Email: JCRESSEY@CES-MAINE.COM

Project Information

Project Name: LeBlanc's Cleaners

Project Location: 10 Lafayette St.

Project #: 10193.027

Project Manager: JKC

ALPHA Quote #: LeBlanc's 20151043

Turn-Around Time

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

Date Due:

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☒ Same as Client info PO #:

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 _____

Additional Project Information:
Soil VOCs frozen:
7/28 1830

ANALYSIS

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

SAMPLE INFO
Filtration
☒ Field (SW)
☐ Lab to do
Preservation
☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	VOC	Sample Comments	TOTAL # BOTTLES
17709-01	B-01 (6-8)	7/28	14:28	SOIL	DES	X		
02	B-02 (6-8)	7/28	11:58	SOIL	DES	X		
03	B-03 (4-6)	7/28	10:40	SOIL	DES	X		
04	B-05 (0-4)	7/28	13:23	SOIL	DES	X		
05	B-07 (4-6)	7/28	15:08	SOIL	DES	X		
06	MW-01	7/28	14:28	GW	DES	X		
07	MW-03	7/28	11:32	GW	DES	X		
08	MW-04	7/28	11:06	GW	DES	X		
09	MW-05	7/28	13:48	GW	DES	X		
10	MW-07	7/28	15:27	GW	DES	X		

Container Type	V
Preservative	O/F

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
	7-29 1340		7/29/15 13:40
	7-29-15 21:42		7/29/15 21:42

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

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

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 7/29/15

ALPHA Job #: L1517709

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: CES, INC.
Address: 640 MAIN ST. LEWISTON, ME 04240
Phone: 207-795-6009
Email: JCRESSEY@CES-MAINE.COM

Project Information

Project Name: LEBLANC'S CLEANERS
Project Location: LEWISTON, ME
Project #: 10193.027
Project Manager: JKC
ALPHA Quote #: 20151043

Report Information - Data Deliverables

☐ ADEx ☒ EMAIL

Billing Information

☒ Same as Client info PO #:

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:

SOIL VOCs FROZEN:
7/28 1830

ANALYSIS

VOC: ☒ 8260 ☐ 624 ☐ 524.2 (4 CHLOR) ☐ PAH
SVOC: ☐ ABN ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 ☐ RCRA5 ☐ RCRA8 ☐ PP13
METALS: ☐ RCRA5 ☐ RCRA8 ☐ Ranges Only
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint

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	Sample Comments	TOTAL # BOTTLES
17709-11	SS-07	7/28	1440	SOIL	JKC	X		
12	TRIP BLANK			SOIL		X		
13	TRIP BLANK			H_2O		X		

Container Type	V
Preservative	O/F

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
	7-29 1340		7.29.15 13:40
	7.29.15 2142		7/29/15 2142

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

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

ANALYTICAL REPORT

Lab Number:	L1521594
Client:	CES, Inc 640 Main St Lewiston, ME 04240
ATTN:	John Cressey
Phone:	(207) 795-6009
Project Name:	LEBLANC CLEANERS
Project Number:	10193.027
Report Date:	09/11/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

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

Project Name: LEBLANC CLEANERS
Project Number: 10193.027

Lab Number: L1521594
Report Date: 09/11/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1521594-01	SV-08	SOIL_VAPOR	LEWISTON, ME	09/02/15 11:10	09/03/15
L1521594-02	SV-09	SOIL_VAPOR	LEWISTON, ME	09/02/15 12:57	09/03/15
L1521594-03	SV-10	SOIL_VAPOR	LEWISTON, ME	09/02/15 11:25	09/03/15
L1521594-04	SV-11	SOIL_VAPOR	LEWISTON, ME	09/02/15 14:05	09/03/15
L1521594-05	SV-13	SOIL_VAPOR	LEWISTON, ME	09/02/15 13:55	09/03/15
L1521594-06	SV-12	SOIL_VAPOR	LEWISTON, ME	09/03/15 10:15	09/03/15

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: LEBLANC CLEANERS **Lab Number:** L1521594
Project Number: 10193.027 **Report Date:** 09/11/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 28, 2015. The canister certification results are provided as an addendum.

Samples L1521594-01, -02 and -05: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Sample Receipt

The sample designated SV-11 (L1521594-04) was received with a final pressure of -28.8 inHg. The client was contacted and the sample was cancelled.

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: 09/11/15

AIR

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

SAMPLE RESULTS

Lab ID: L1521594-01 D
Client ID: SV-08
Sample Location: LEWISTON, ME
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 17:12
Analyst: RY

Date Collected: 09/02/15 11:10
Date Received: 09/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	2.69	--	ND	6.88	--		134.3
1,1-Dichloroethene	ND	2.69	--	ND	10.7	--		134.3
trans-1,2-Dichloroethene	3.89	2.69	--	15.4	10.7	--		134.3
1,1-Dichloroethane	ND	2.69	--	ND	10.9	--		134.3
cis-1,2-Dichloroethene	20.3	2.69	--	80.5	10.7	--		134.3
1,2-Dichloroethane	ND	2.69	--	ND	10.9	--		134.3
1,1,1-Trichloroethane	ND	2.69	--	ND	14.7	--		134.3
Trichloroethene	106	2.69	--	570	14.5	--		134.3
Tetrachloroethene	3130	2.69	--	21200	18.2	--		134.3

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

SAMPLE RESULTS

Lab ID: L1521594-02 D
Client ID: SV-09
Sample Location: LEWISTON, ME
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 14:33
Analyst: RY

Date Collected: 09/02/15 12:57
Date Received: 09/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	1.43	0.067	--	3.66	0.171	--		3.333
1,1-Dichloroethene	0.437	0.067	--	1.73	0.264	--		3.333
trans-1,2-Dichloroethene	0.657	0.067	--	2.60	0.264	--		3.333
1,1-Dichloroethane	ND	0.067	--	ND	0.270	--		3.333
cis-1,2-Dichloroethene	81.1	0.067	--	322	0.264	--		3.333
1,2-Dichloroethane	ND	0.067	--	ND	0.270	--		3.333
1,1,1-Trichloroethane	ND	0.067	--	ND	0.364	--		3.333
Trichloroethene	2.38	0.067	--	12.8	0.358	--		3.333
Tetrachloroethene	16.1	0.067	--	109	0.452	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	99		60-140

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

SAMPLE RESULTS

Lab ID: L1521594-03
Client ID: SV-10
Sample Location: LEWISTON, ME
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 15:36
Analyst: RY

Date Collected: 09/02/15 11:25
Date Received: 09/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	0.131	0.020	--	0.519	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Trichloroethene	0.074	0.020	--	0.398	0.107	--		1
Tetrachloroethene	1.37	0.020	--	9.29	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	82		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	92		60-140

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

SAMPLE RESULTS

Lab ID: L1521594-05 D
Client ID: SV-13
Sample Location: LEWISTON, ME
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 16:08
Analyst: RY

Date Collected: 09/02/15 13:55
Date Received: 09/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		10
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		10
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		10
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		10
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		10
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Trichloroethene	ND	0.200	--	ND	1.07	--		10
Tetrachloroethene	405	0.200	--	2750	1.36	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	95		60-140

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

SAMPLE RESULTS

Lab ID: L1521594-06
Client ID: SV-12
Sample Location: LEWISTON, ME
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 16:40
Analyst: RY

Date Collected: 09/03/15 10:15
Date Received: 09/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Trichloroethene	0.237	0.020	--	1.27	0.107	--		1
Tetrachloroethene	0.723	0.020	--	4.90	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	83		60-140
bromochloromethane	81		60-140
chlorobenzene-d5	92		60-140

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 12:52

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): 01-03,05-06 Batch: WG819302-4								
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	0.020	--	ND	0.053	--		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
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 12:52

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): 01-03,05-06 Batch: WG819302-4								
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	0.050	--	ND	0.188	--		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	0.020	--	ND	0.092	--		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-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521594
Report Date: 09/11/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/08/15 12:52

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): 01-03,05-06 Batch: WG819302-4								
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

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521594

Report Date: 09/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03,05-06 Batch: WG819302-3								
Dichlorodifluoromethane	80		-		70-130	-		25
Chloromethane	99		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	97		-		70-130	-		25
Vinyl chloride	98		-		70-130	-		25
1,3-Butadiene	101		-		70-130	-		25
Bromomethane	94		-		70-130	-		25
Chloroethane	89		-		70-130	-		25
Acetone	103		-		70-130	-		25
Trichlorofluoromethane	99		-		70-130	-		25
Acrylonitrile	93		-		70-130	-		25
1,1-Dichloroethene	97		-		70-130	-		25
Methylene chloride	108		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	96		-		70-130	-		25
Halothane	104		-		70-130	-		25
trans-1,2-Dichloroethene	81		-		70-130	-		25
1,1-Dichloroethane	89		-		70-130	-		25
Methyl tert butyl ether	87		-		70-130	-		25
2-Butanone	90		-		70-130	-		25
cis-1,2-Dichloroethene	103		-		70-130	-		25
Chloroform	94		-		70-130	-		25
1,2-Dichloroethane	93		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521594

Report Date: 09/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03,05-06 Batch: WG819302-3								
1,1,1-Trichloroethane	98		-		70-130	-		25
Benzene	89		-		70-130	-		25
Carbon tetrachloride	110		-		70-130	-		25
1,2-Dichloropropane	92		-		70-130	-		25
Bromodichloromethane	99		-		70-130	-		25
1,4-Dioxane	91		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
cis-1,3-Dichloropropene	101		-		70-130	-		25
4-Methyl-2-pentanone	97		-		70-130	-		25
trans-1,3-Dichloropropene	88		-		70-130	-		25
1,1,2-Trichloroethane	97		-		70-130	-		25
Toluene	85		-		70-130	-		25
Dibromochloromethane	93		-		70-130	-		25
1,2-Dibromoethane	92		-		70-130	-		25
Tetrachloroethene	86		-		70-130	-		25
1,1,1,2-Tetrachloroethane	86		-		70-130	-		25
Chlorobenzene	88		-		70-130	-		25
Ethylbenzene	86		-		70-130	-		25
p/m-Xylene	88		-		70-130	-		25
Bromoform	93		-		70-130	-		25
Styrene	89		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521594

Report Date: 09/11/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03,05-06 Batch: WG819302-3								
1,1,2,2-Tetrachloroethane	94		-		70-130	-		25
o-Xylene	88		-		70-130	-		25
Isopropylbenzene	86		-		70-130	-		25
4-Ethyltoluene	84		-		70-130	-		25
1,3,5-Trimethylbenzene	89		-		70-130	-		25
1,2,4-Trimethylbenzene	92		-		70-130	-		25
1,3-Dichlorobenzene	94		-		70-130	-		25
1,4-Dichlorobenzene	93		-		70-130	-		25
sec-Butylbenzene	87		-		70-130	-		25
p-Isopropyltoluene	80		-		70-130	-		25
1,2-Dichlorobenzene	94		-		70-130	-		25
n-Butylbenzene	95		-		70-130	-		25
1,2,4-Trichlorobenzene	110		-		70-130	-		25
Naphthalene	108		-		70-130	-		25
1,2,3-Trichlorobenzene	109		-		70-130	-		25
Hexachlorobutadiene	100		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LEBLANC CLEANERS
Project Number: 10193.027

Lab Number: L1521594
Report Date: 09/11/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG819302-5 QC Sample: L1521594-02 Client ID: SV-09						
Vinyl chloride	1.43	1.42	ppbV	1		25
1,1-Dichloroethene	0.437	0.433	ppbV	1		25
trans-1,2-Dichloroethene	0.657	0.647	ppbV	2		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	81.1	87.2	ppbV	7		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Trichloroethene	2.38	2.51	ppbV	5		25
Tetrachloroethene	16.1	17.0	ppbV	5		25

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521594

Report Date: 09/11/15

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
L1521594-01	SV-08	0138	#90 SV	08/28/15	208564		-	-	-	Pass	69	69	0
L1521594-01	SV-08	179	2.7L Can	08/28/15	208564	L1520154-01	Pass	-29.5	-5.0	-	-	-	-
L1521594-02	SV-09	0326	#90 SV	08/28/15	208564		-	-	-	Pass	72	71	1
L1521594-02	SV-09	375	2.7L Can	08/28/15	208564	L1520154-01	Pass	-29.6	-6.5	-	-	-	-
L1521594-03	SV-10	0479	#90 SV	08/28/15	208564		-	-	-	Pass	72	82	13
L1521594-03	SV-10	407	2.7L Can	08/28/15	208564	L1520154-01	Pass	-29.6	-11.2	-	-	-	-
L1521594-04	SV-11	0316	#90 SV	08/28/15	208564		-	-	-	Pass	72	85	17
L1521594-04	SV-11	1734	2.7L Can	08/28/15	208564	L1520154-01	Pass	-29.6	-28.8	-	-	-	-
L1521594-05	SV-13	0343	#90 SV	08/28/15	208564		-	-	-	Pass	67	70	4
L1521594-05	SV-13	150	2.7L Can	08/28/15	208564	L1520154-01	Pass	-29.6	-6.2	-	-	-	-
L1521594-06	SV-12	0167	#90 SV	08/28/15	208564		-	-	-	Pass	72	81	12
L1521594-06	SV-12	475	2.7L Can	08/28/15	208564	L1520154-01	Pass	-29.6	-10.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1520154
Report Date: 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01
Client ID: CAN 532 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/20/15 15:23
Analyst: RY

Date Collected: 08/19/15 16:00
Date Received: 08/20/15
Field Prep: Not Specified

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								
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	2.50	--	ND	4.71	--		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
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1520154

Project Number: CANISTER QC BAT **Report Date:** 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01 Date Collected: 08/19/15 16:00

Client ID: CAN 532 SHELF 1 Date Received: 08/20/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
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
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
1,1,1-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
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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1520154

Project Number: CANISTER QC BAT **Report Date:** 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01 Date Collected: 08/19/15 16:00

Client ID: CAN 532 SHELF 1 Date Received: 08/20/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
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
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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1520154

Project Number: CANISTER QC BAT **Report Date:** 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01 Date Collected: 08/19/15 16:00

Client ID: CAN 532 SHELF 1 Date Received: 08/20/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
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

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1520154

Project Number: CANISTER QC BAT **Report Date:** 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01 Date Collected: 08/19/15 16:00

Client ID: CAN 532 SHELF 1 Date Received: 08/20/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	83		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1520154
Report Date: 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01
Client ID: CAN 532 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/20/15 15:23
Analyst: MB

Date Collected: 08/19/15 16:00
Date Received: 08/20/15
Field Prep: Not Specified

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								
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	0.020	--	ND	0.053	--		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
Halothane	ND	0.050	--	ND	0.404	--		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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1520154
Report Date: 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01
Client ID: CAN 532 SHELF 1
Sample Location:
Date Collected: 08/19/15 16:00
Date Received: 08/20/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.050	--	ND	0.188	--		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	0.020	--	ND	0.092	--		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
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: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1520154
Report Date: 09/11/15

Air Canister Certification Results

Lab ID: L1520154-01
Client ID: CAN 532 SHELF 1
Sample Location:
Date Collected: 08/19/15 16:00
Date Received: 08/20/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

Project Name: LEBLANC CLEANERS
Project Number: 10193.027

Lab Number: L1521594
Report Date: 09/11/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1521594-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1521594-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1521594-03A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1521594-04A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	CANCELLED()
L1521594-05A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)
L1521594-06A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	LEBLANC CLEANERS	**Lab Number:**	L1521594
Project Number:	10193.027	**Report Date:**	09/11/15

GLOSSARY

Acronyms

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).

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.

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.

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.

NI - Not Ignitable.

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

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.

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.

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

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.

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.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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.

Report Format: Data Usability Report

Project Name:	LEBLANC CLEANERS	**Lab Number:**	L1521594
Project Number:	10193.027	**Report Date:**	09/11/15

Data Qualifiers

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.

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.

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: 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**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 9/4/15

ALPHA Job #: L1521594

Client Information

Client: CES
Address: 640 Main St
Lewiston, ME
Phone: 2077956609
Fax:
Email: jcressey@ces-maine.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: LeBlanc Cleaners
Project Location: Lewiston, ME
Project #: 10193.027
Project Manager: John 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	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM (PCE/TCE)	APH	FIXED GASES	TO-13A	TO4 / TO-10	Sample Comments (i.e. PID)
21594-01	SV-08	9-2-15	1034	1110	-29.45	-4.44	SV	WH	2.7L	179	138			X					
-02	SV-09		1225	1257	-30.07	-4.97	SV	WH	2.7L	325	326			X					
-03	SV-10		1052	1125	-29.89	-10.71	SV	WH	2.7L	407	479			X					
-04	SV-11		1153	1405	-31.38	-18.10	SV	WH	2.7L	184	316			X					
-05	SV-13		1320	1355	-30.14	-4.98	SV	WH	2.7L	150	343			X					
-06	SV-12	9-3	940	1015	-30.19	-9.66	SV	JKC	2.7L	475	0167			X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 6

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:
[signature] APC	9/3/15 15:25	[signature] RAC	9-3-15 12:00
[signature]	9/4/15 0400	[signature]	9/3/15 19:25
		[signature]	9/4/15 04:00

ANALYTICAL REPORT

Lab Number:	L1521595
Client:	CES, Inc 640 Main St Lewiston, ME 04240
ATTN:	John Cressey
Phone:	(207) 795-6009
Project Name:	LEBLANC CLEANERS
Project Number:	10193.027
Report Date:	09/15/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: LEBLANC CLEANERS
Project Number: 10193.027

Lab Number: L1521595
Report Date: 09/15/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1521595-01	B-8 (0-2)	SOIL	LEWISTON, ME	09/02/15 09:40	09/03/15
L1521595-02	B-8 (6-8)	SOIL	LEWISTON, ME	09/02/15 09:50	09/03/15
L1521595-03	MW-8	WATER	LEWISTON, ME	09/02/15 11:05	09/03/15

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521595
Report Date: 09/15/15

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name:	LEBLANC CLEANERS	**Lab Number:**	L1521595
Project Number:	10193.027	**Report Date:**	09/15/15

Case Narrative (continued)

Volatile Organics

L1521595-02: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to 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: Cristin Walker

Title: Technical Director/Representative Date: 09/15/15

ORGANICS

VOLATILES

Project Name: LEBLANC CLEANERS **Lab Number:** L1521595

Project Number: 10193.027 **Report Date:** 09/15/15

SAMPLE RESULTS

Lab ID: L1521595-01
Client ID: B-8 (0-2)
Sample Location: LEWISTON, ME
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/11/15 23:11
Analyst: MV
Percent Solids: 88%

Date Collected: 09/02/15 09:40
Date Received: 09/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	730		ug/kg	81	--	1
1,2-Dichloroethane	ND		ug/kg	81	--	1
1,1,1-Trichloroethane	ND		ug/kg	81	--	1
Vinyl chloride	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	ND		ug/kg	81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	81	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	99		70-130

Project Name: LEBLANC CLEANERS **Lab Number:** L1521595

Project Number: 10193.027 **Report Date:** 09/15/15

SAMPLE RESULTS

Lab ID: L1521595-02
Client ID: B-8 (6-8)
Sample Location: LEWISTON, ME
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/11/15 23:37
Analyst: MV
Percent Solids: 82%

Date Collected: 09/02/15 09:50
Date Received: 09/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
1,1-Dichloroethane	ND		ug/kg	94	--	1
Tetrachloroethene	ND		ug/kg	62	--	1
1,2-Dichloroethane	ND		ug/kg	62	--	1
1,1,1-Trichloroethane	ND		ug/kg	62	--	1
Vinyl chloride	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	94	--	1
Trichloroethene	ND		ug/kg	62	--	1
cis-1,2-Dichloroethene	ND		ug/kg	62	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521595
Report Date: 09/15/15

SAMPLE RESULTS

Lab ID: L1521595-03 D
Client ID: MW-8
Sample Location: LEWISTON, ME
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/11/15 16:38
Analyst: MS

Date Collected: 09/02/15 11:05
Date Received: 09/03/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	7.5	--	10
Tetrachloroethene	300		ug/l	5.0	--	10
1,2-Dichloroethane	ND		ug/l	5.0	--	10
1,1,1-Trichloroethane	ND		ug/l	5.0	--	10
Vinyl chloride	140		ug/l	2.0	--	10
1,1-Dichloroethene	ND		ug/l	5.0	--	10
trans-1,2-Dichloroethene	21		ug/l	7.5	--	10
Trichloroethene	320		ug/l	5.0	--	10
cis-1,2-Dichloroethene	800		ug/l	5.0	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	91		70-130

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521595
Report Date: 09/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/11/15 16:03
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG820623-3					
1,1-Dichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Vinyl chloride	ND		ug/l	0.20	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	92		70-130

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521595
Report Date: 09/15/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/11/15 14:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02 Batch: WG820842-3					
1,1-Dichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Vinyl chloride	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG820623-1 WG820623-2								
Methylene chloride	100		86		70-130	15		20
1,1-Dichloroethane	97		81		70-130	18		20
Chloroform	98		80		70-130	20		20
Carbon tetrachloride	75		70		63-132	7		20
1,2-Dichloropropane	102		85		70-130	18		20
Dibromochloromethane	76		68		63-130	11		20
1,1,2-Trichloroethane	110		91		70-130	19		20
Tetrachloroethene	124		103		70-130	19		20
Chlorobenzene	110		92		75-130	18		25
Trichlorofluoromethane	65		80		62-150	**21**	Q	20
1,2-Dichloroethane	90		75		70-130	18		20
1,1,1-Trichloroethane	93		81		67-130	14		20
Bromodichloromethane	82		71		67-130	14		20
trans-1,3-Dichloropropene	115		97		70-130	17		20
cis-1,3-Dichloropropene	110		92		70-130	18		20
1,1-Dichloropropene	94		79		70-130	17		20
Bromoform	65		59		54-136	10		20
1,1,2,2-Tetrachloroethane	104		86		67-130	19		20
Benzene	112		94		70-130	17		25
Toluene	109		91		70-130	18		25
Ethylbenzene	106		89		70-130	17		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG820623-1 WG820623-2								
Chloromethane	65		64		64-130	2		20
Bromomethane	53		76		39-139	**36**	Q	20
Vinyl chloride	72		61		55-140	17		20
Chloroethane	68		95		55-138	**33**	Q	20
1,1-Dichloroethene	84		90		61-145	7		25
trans-1,2-Dichloroethene	110		91		70-130	19		20
Trichloroethene	102		84		70-130	19		25
1,2-Dichlorobenzene	112		93		70-130	19		20
1,3-Dichlorobenzene	112		92		70-130	20		20
1,4-Dichlorobenzene	110		93		70-130	17		20
Methyl tert butyl ether	118		97		63-130	20		20
p/m-Xylene	116		98		70-130	17		20
o-Xylene	115		97		70-130	17		20
cis-1,2-Dichloroethene	105		88		70-130	18		20
Dibromomethane	102		84		70-130	19		20
1,4-Dichlorobutane	104		84		70-130	**21**	Q	20
1,2,3-Trichloropropane	99		81		64-130	20		20
Styrene	118		99		70-130	18		20
Dichlorodifluoromethane	116		129		36-147	11		20
Acetone	82		83		58-148	1		20
Carbon disulfide	105		90		51-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG820623-1 WG820623-2								
2-Butanone	121		100		63-138	19		20
Vinyl acetate	92		78		70-130	16		20
4-Methyl-2-pentanone	112		90		59-130	**22**	Q	20
2-Hexanone	100		76		57-130	**27**	Q	20
Ethyl methacrylate	114		95		70-130	18		20
Acrylonitrile	103		82		70-130	**23**	Q	20
Bromochloromethane	113		94		70-130	18		20
Tetrahydrofuran	90		78		58-130	14		20
2,2-Dichloropropane	133		111		63-133	18		20
1,2-Dibromoethane	115		94		70-130	20		20
1,3-Dichloropropane	105		87		70-130	19		20
1,1,1,2-Tetrachloroethane	92		81		64-130	13		20
Bromobenzene	118		97		70-130	20		20
n-Butylbenzene	96		80		53-136	18		20
sec-Butylbenzene	107		89		70-130	18		20
tert-Butylbenzene	107		88		70-130	19		20
o-Chlorotoluene	100		83		70-130	19		20
p-Chlorotoluene	105		86		70-130	20		20
1,2-Dibromo-3-chloropropane	77		68		41-144	12		20
Hexachlorobutadiene	117		95		63-130	**21**	Q	20
Isopropylbenzene	111		92		70-130	19		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LEBLANC CLEANERS
Project Number: 10193.027

Lab Number: L1521595
Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG820623-1 WG820623-2								
p-Isopropyltoluene	109		90		70-130	19		20
Naphthalene	110		91		70-130	19		20
n-Propylbenzene	106		88		69-130	19		20
1,2,3-Trichlorobenzene	109		92		70-130	17		20
1,2,4-Trichlorobenzene	115		94		70-130	20		20
1,3,5-Trimethylbenzene	112		92		64-130	20		20
1,2,4-Trimethylbenzene	112		92		70-130	20		20
trans-1,4-Dichloro-2-butene	117		99		70-130	17		20
Ethyl ether	73		100		59-134	**31**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		82		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	88		86		70-130
Dibromofluoromethane	90		90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG820842-1 WG820842-2								
Methylene chloride	100		101		70-130	1		30
1,1-Dichloroethane	111		108		70-130	3		30
Chloroform	112		112		70-130	0		30
Carbon tetrachloride	123		121		70-130	2		30
1,2-Dichloropropane	99		102		70-130	3		30
Dibromochloromethane	106		105		70-130	1		30
1,1,2-Trichloroethane	100		101		70-130	1		30
2-Chloroethylvinyl ether	**67**	Q	72		70-130	7		30
Tetrachloroethene	110		110		70-130	0		30
Chlorobenzene	99		99		70-130	0		30
Trichlorofluoromethane	123		116		70-139	6		30
1,2-Dichloroethane	107		107		70-130	0		30
1,1,1-Trichloroethane	115		116		70-130	1		30
Bromodichloromethane	108		111		70-130	3		30
trans-1,3-Dichloropropene	98		99		70-130	1		30
cis-1,3-Dichloropropene	98		99		70-130	1		30
1,1-Dichloropropene	105		105		70-130	0		30
Bromoform	92		91		70-130	1		30
1,1,2,2-Tetrachloroethane	87		89		70-130	2		30
Benzene	104		103		70-130	1		30
Toluene	100		100		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG820842-1 WG820842-2								
Ethylbenzene	100		99		70-130	1		30
Chloromethane	103		99		52-130	4		30
Bromomethane	100		106		57-147	6		30
Vinyl chloride	70		68		67-130	3		30
Chloroethane	108		104		50-151	4		30
1,1-Dichloroethene	103		101		65-135	2		30
trans-1,2-Dichloroethene	105		103		70-130	2		30
Trichloroethene	108		109		70-130	1		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	103		101		70-130	2		30
1,4-Dichlorobenzene	100		101		70-130	1		30
Methyl tert butyl ether	84		84		66-130	0		30
p/m-Xylene	96		98		70-130	2		30
o-Xylene	92		93		70-130	1		30
cis-1,2-Dichloroethene	102		102		70-130	0		30
Dibromomethane	106		109		70-130	3		30
1,4-Dichlorobutane	84		84		70-130	0		30
1,2,3-Trichloropropane	86		88		68-130	2		30
Styrene	93		93		70-130	0		30
Dichlorodifluoromethane	88		84		30-146	5		30
Acetone	**164**	Q	130		54-140	23		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG820842-1 WG820842-2								
Carbon disulfide	106		102		59-130	4		30
2-Butanone	105		99		70-130	6		30
Vinyl acetate	95		97		70-130	2		30
4-Methyl-2-pentanone	**64**	Q	**66**	Q	70-130	3		30
2-Hexanone	74		71		70-130	4		30
Ethyl methacrylate	73		74		70-130	1		30
Acrolein	124		114		70-130	8		30
Acrylonitrile	102		96		70-130	6		30
Bromochloromethane	112		114		70-130	2		30
Tetrahydrofuran	84		92		66-130	9		30
2,2-Dichloropropane	114		111		70-130	3		30
1,2-Dibromoethane	93		94		70-130	1		30
1,3-Dichloropropane	96		96		69-130	0		30
1,1,1,2-Tetrachloroethane	108		108		70-130	0		30
Bromobenzene	95		96		70-130	1		30
n-Butylbenzene	98		100		70-130	2		30
sec-Butylbenzene	96		95		70-130	1		30
tert-Butylbenzene	91		91		70-130	0		30
1,3,5-Trichlorobenzene	104		107		70-139	3		30
o-Chlorotoluene	95		95		70-130	0		30
p-Chlorotoluene	93		93		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG820842-1 WG820842-2								
1,2-Dibromo-3-chloropropane	83		82		68-130	1		30
Hexachlorobutadiene	114		114		67-130	0		30
Isopropylbenzene	90		91		70-130	1		30
p-Isopropyltoluene	93		92		70-130	1		30
Naphthalene	79		79		70-130	0		30
n-Propylbenzene	94		95		70-130	1		30
1,2,3-Trichlorobenzene	97		98		70-130	1		30
1,2,4-Trichlorobenzene	98		98		70-130	0		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	93		93		70-130	0		30
trans-1,4-Dichloro-2-butene	96		98		70-130	2		30
Halothane	110		110		70-130	0		20
Ethyl ether	105		97		67-130	8		30
Methyl Acetate	101		98		65-130	3		30
Ethyl Acetate	91		90		70-130	1		30
Isopropyl Ether	99		97		66-130	2		30
Cyclohexane	93		93		70-130	0		30
Tert-Butyl Alcohol	**67**	Q	**66**	Q	70-130	2		30
Ethyl-Tert-Butyl-Ether	83		83		70-130	0		30
Tertiary-Amyl Methyl Ether	78		79		70-130	1		30
1,4-Dioxane	75		77		65-136	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LEBLANC CLEANERS

Project Number: 10193.027

Lab Number: L1521595

Report Date: 09/15/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG820842-1 WG820842-2								
Methyl cyclohexane	95		94		70-130	1		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	111		107		70-130	4		30
1,4-Diethylbenzene	93		93		70-130	0		30
4-Ethyltoluene	94		95		70-130	1		30
1,2,4,5-Tetramethylbenzene	85		86		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		109		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	85		87		70-130
Dibromofluoromethane	109		110		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: LEBLANC CLEANERS
Project Number: 10193.027

Lab Number: L1521595
Report Date: 09/15/15

SAMPLE RESULTS

Lab ID: L1521595-01
Client ID: B-8 (0-2)
Sample Location: LEWISTON, ME
Matrix: Soil

Date Collected: 09/02/15 09:40
Date Received: 09/03/15
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	87.5		%	0.100	NA	1	-	09/08/15 18:26	30,2540G	RT

Project Name: LEBLANC CLEANERS
Project Number: 10193.027
Lab Number: L1521595
Report Date: 09/15/15

SAMPLE RESULTS

Lab ID: L1521595-02
Client ID: B-8 (6-8)
Sample Location: LEWISTON, ME
Matrix: Soil

Date Collected: 09/02/15 09:50
Date Received: 09/03/15
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	-	09/08/15 18:26	30,2540G	RT

Project Name: LEBLANC CLEANERS
Project Number: 10193.027

Lab Number: L1521595
Report Date: 09/15/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09/02/2015 15:00

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1521595-01A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	8260HLW(14)
L1521595-01B	Vial water preserved	A	N/A	3.0	Y	Absent	8260HLW(14)
L1521595-01C	Vial water preserved	A	N/A	3.0	Y	Absent	8260HLW(14)
L1521595-01D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	ME-TS-2540(7)
L1521595-02A	Vial MeOH preserved	A	N/A	3.0	Y	Absent	8260HLW(14)
L1521595-02B	Vial water preserved	A	N/A	3.0	Y	Absent	8260HLW(14)
L1521595-02C	Vial water preserved	A	N/A	3.0	Y	Absent	8260HLW(14)
L1521595-02D	Plastic 2oz unpreserved for TS	A	N/A	3.0	Y	Absent	ME-TS-2540(7)
L1521595-03A	Vial HCl preserved	A	N/A	3.0	Y	Absent	ME-8260(14)
L1521595-03B	Vial HCl preserved	A	N/A	3.0	Y	Absent	ME-8260(14)
L1521595-03C	Vial HCl preserved	A	N/A	3.0	Y	Absent	ME-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	LEBLANC CLEANERS	**Lab Number:**	L1521595
Project Number:	10193.027	**Report Date:**	09/15/15

GLOSSARY

Acronyms

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).

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.

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.

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.

NI - Not Ignitable.

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

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.

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.

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

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.

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.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

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.

Report Format: Data Usability Report

Project Name:	LEBLANC CLEANERS	**Lab Number:**	L1521595
Project Number:	10193.027	**Report Date:**	09/15/15

Data Qualifiers

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.

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.

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name:	LEBLANC CLEANERS	**Lab Number:**	L1521595
Project Number:	10193.027	**Report Date:**	09/15/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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

Last revised December 16, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: 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**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 9-3-15

ALPHA Job #: L1521595

ALPHA ANALYTICAL
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: CES
Address: 640 Main St, Lewiston, ME
Phone: 2077956009
Email: mhardenq@cesmaine.com

Additional Project Information:
soil frozen on 9-2-15 @ 1500

Project Information

Project Name: Pitt. LeBlanc Cleaners
Project Location: Lewiston, ME
Project #: 10193.027
Project Manager: John Cressey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due:

Report Information - Data Deliverables

☐ ADEx ☐ EMAIL

Billing Information

☐ Same as Client info PO #:

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 _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	ANALYSIS: VOC: ☒ 8260 ☐ 624 ☐ 524.2 (MtBE)	SVOC: ☐ ABN ☐ PAH	METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15	METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13	EPH: ☐ Ranges & Targets ☐ Ranges Only	VPH: ☐ Ranges & Targets ☐ Ranges Only	☐ PCB ☐ PEST	TPH: ☐ Quant Only ☐ Fingerprint	SAMPLE INFO: Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do	Sample Comments	TOTAL # BOTTLES
21595-01	B-8 (0-2)	9-2-15	0940	soil	WH	X										
02	B-8 (6-8)		0950	soil	WH	X										
03	MW-8		1105	GW	WH	X										

Container Type
Preservative

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
	9/3/15		9-3-15 12:00
DCAS	9-3-15 1520		09-3-15 1920

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

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

July 24, 2015

Mrs. Becky Blais
Maine Department of Environmental Protection
17 State House Station
Augusta, Maine 04333

RE: Phase II Environmental Site Assessment | LeBlanc's Cleaners| Lewiston, Maine

Dear Becky:

CES, Inc. (CES) is pleased to present this work plan for the completion of the Site investigation work to be conducted at the LeBlanc's Cleaners located at 10 Lafayette Street in Lewiston, Maine. The Scope of Work included in this proposal is based upon the Request for Bids received via email on June 15, 2015 and our Site visit completed in July 16, 2015.

BACKGROUND

The Site (location shown in **Figure 1**) was developed with a wagon repair shop, steam dye facility, and dry cleaning operations circa 1914. The main Site building with the more current dry cleaning operations was constructed on the Site circa 1955. At that time, the Site operated one dry cleaning unit which utilized Tetrachloroethene or "Perc" as the primary dry cleaning solvent. According to the property owner, the original dry cleaning machine was vented to the exterior on the western side of the Site building. The original dry cleaning unit and associated vent pipe remain in the Site building but have not been in operation since the early 1970's. This original dry cleaning machine was replaced with a Renzacci dry cleaning unit in the 1970's and operated until 2014, utilizing Perc throughout its operation. The owner ceased thedry cleaning operation in November 2014, and used filters, pre filter lint, and spent solvents from the Renzacci dry cleaning machine have not yet been disposed of.

Based upon this information, it was determined, by the MEDEP, that subsurface and indoor air investigation was warranted to determine the potential for impacts to these media from the former dry cleaner.

SCOPE OF WORK

Existing Conditions

At the commencement of field activities, CES will subcontract with DigSmart of Maine to complete utility location, soil boring clearance, and tracing of the floor drains. CES will also subcontract with Environmental Projects, Inc. (EPI) to complete Geoprobe activities. DigSmart will be subcontracted to scan the concrete around the floor drains to determine the route of exit

Six Locations in Maine | www.ces-maine.com
640 Main Street
Lewiston, Maine 04240
T 207.795.6009
F 207.795.6128

from the building. The floor drains will be dye traced, if necessary, with different colored dyes to attempt to determine terminuses. CES will discuss this dye testing with the Lewiston-Auburn Water Pollution Control Authority (LAWPCA) prior to conducting the testing to set up a time to complete the testing. DigSmart will also be subcontracted to conduct a ground penetrating radar (GPR) survey of the former underground storage tank (UST) locations as well as any suspect locations.

In April 2015, CES conducted a site visit at the request of the Site owner and observed what appeared to be a vent pipe next to the garage, which may represent a UST still present at the Site. If it is determined that a UST is still present through using the GPR, the proposed boring location (B-04) will be altered to move away far enough to not necessitate the presence of a Certified Tank Installer (CTI).

CES's staff geologist will oversee five (5) soil borings (B-01, B-02, B-03, B-04, and B-05) to log soil conditions and perform soil screening with a MiniRae Photoionization Detector (PID). Soil samples determined to be impacted or determined to be of interest due to location will be submitted for analysis of the nine (9) chlorinated compounds by USEPA Method 8260. Soil samples will be collected following the MEDEP Standard Operating Procedure (SOP) #DR006 (Protocol for Collecting Soil Samples). Soil samples will be submitted to Alpha Analytical Laboratory (Alpha) of Westborough, Massachusetts. Five (5) temporary monitoring wells (MW-01, MW-02, MW-03, MW-04, and MW-05) will be installed in the borings using a Geoprobe rig and their construction will be logged by the staff geologist for submission to the MEDEP with the report. All five (5) monitoring wells will be sampled following low flow purging techniques as defined in the MEDEP SOP DR#002 (Groundwater Sample Collection for Site Investigation and Assessment Monitoring) and submitted to Alpha for the nine (9) chlorinated compounds by USEPA Method 8260.

Four (4) of the monitoring wells will also be co-located with soil vapor points (SV-02, SV-03, SV-04, and SV-05). All four (4) soil vapor points will be installed by the Geoprobe at a depth of four (4) feet below ground surface with Teflon tubing brought to the ground surface and one (1) soil gas sample will be collected from each of these locations following MEDEP SOP DR#027. The locations are shown on **Figure 2** and have been selected to provide the data to indicate whether abutting properties are at risk due to past on-site activities. CES will document ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae Photoionization Detector (PID). The samples will be submitted to Alpha for analysis of the nine (9) chlorinated breakdown compounds by USEPA Method TO-15 by SIM.

Additionally, CES will use a pore water sampler to collect a soil gas sample (SV-01) from within the sewer utility trench along the northern side of the structure following MEDEP SOP DR#027. CES will document ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae Photoionization Detector (PID).

The samples will be submitted to Alpha for analysis of the nine (9) chlorinated breakdown compounds by USEPA Method TO-15 by SIM.

CES will collect two (2) 30-minute sub-slab vapor samples (SSV-01, SSV-02) from within the Site building and one (1) 30-minute sub-slab vapor sample (SSV-03) from within the garage, in locations likely to have been affected by the past usage, following MEDEP SOP DR#027. A half inch (½") hole will be drilled into the concrete and Teflon tubing inserted and sealed with modeling clay. CES will document pressure difference with a manometer, ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae Photoionization Detector (PID). The samples will be submitted to Alpha for analysis of the nine (9) chlorinated breakdown compounds by USEPA Method TO-15 by SIM.

CES will collect one (1) 24-hour indoor air sample (IA-01) from within the Site building. CES will document ambient oxygen and carbon dioxide concentrations as well as pre-sample oxygen, carbon dioxide, and methane concentrations using an Eagle multi-gas meter, and volatile organic readings using a part per billion (ppb) MiniRae Photoionization Detector (PID). The sample will be submitted to Alpha for analysis of the nine (9) chlorinated breakdown compounds by USEPA Method TO-15 by SIM.

REPORT

CES will prepare a draft Phase II ESA Report including a refined CSM, tables, recommendations and figures in MS Word format to the Department for review. Once comments from the MEDEP have been incorporated into the report it will be sealed by a Maine Certified Geologist. The Report will include a site map depicting site features, screening locations and results and laboratory sample locations and results. The Phase II Report will also include an approximate quantity of contaminated soil moved on-site. John Cressey will meet with the Department in person to discuss comments to the report within 10 days of submission of the draft report.

CES will incorporate the Department's comments within five days of the receipt of the written comments. CES will submit an electronic copy (PDF) version of the completed document (along with an acceptable electronic data delivery (EDD) that has all laboratory data and soil gas and ambient air field sheets), and two (2) bound paper documents with all tables, figures, appendices, and attachments to the Department.

Sincerely,
CES, Inc.

John K. Cressey, C.G.
Senior Project Manager

JKC/jna